



**Annamalainagar - 608 002, Tamil Nadu, India**

**NAAC RE-ACCREDITATION - 2014**

**Evaluative Report of the Departments**

Submitted to

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**Bengaluru**

**February 2014**

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## DEPARTMENT OF ENGLISH

1. Name of the Department - English
2. Year of establishment - 1929
3. Is the Department part of a School/Faculty of the university? - Faculty
4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): -M.A. English, M.A. English Literature & American Studies, M.Phil., Ph.D., Integrated Masters.
5. Interdisciplinary courses and departments involved:

Degree	Department	Course
I M.A. & II M. A.	History	Human Rights and International System
I M.A. & II M. A.	Political Science	Political Science (For Civil Services Examinations)-II Public Administration for Civil Services Exams-II
I M.A. & II M. A.	Economics	Economics of Natural Disasters Human Resource Development Women Studies and Development
I M.A. & II M. A.	Sociology	Social Problems and Social Welfare Sociology of Tourism
I M.A. & II M. A.	Commerce	Entrepreneurial Development Co-operative Organization Business Communication and Report Writing
I M.A. & II M. A.	Population Studies	Health Education and Nutrition
I M.A. & II M. A.	Library & Information Science	Computerized Database and Internet
I M.A. & II M. A.	Business Administration	Training and Development
I M.A. & II M. A.	Philosophy	Logic and Scientific Methods (EM/TM) Tourism Development (EM/TM)
I M.A. & II M. A.	Centre for Rural Development	Transfer of Technology for Rural Development Regional Planning for Rural Development
I M.A. & II M. A.	Tamil	தொலைக்காட்சி நிகழ்ச்சிக்கலை
I M.A. & II M. A.	Hindi	Modern Hindi Satire
I M.A. & II M. A.	Linguistics	History and Structure of Tamil Language (EM/TM)
I M.A. & II M. A.	Psychology	Counseling Psychology
I M.A. & II M. A.	Physical Education	Health Education Safety Education and First Aid
I M.A. & II M. A.	Life Long Learning	Communication and Development

6. Courses in collaboration with other universities, industries, foreign institutions, etc. - Nil
7. Details of programmes / courses discontinued, if any, with reasons - Nil
8. Annual/ Semester/Choice Based Credit System - Semester and CBCS
9. Participation of the department in the courses offered by other departments:

S.No	Course	Department Name
1	I M. Sc., (Soft Skills)	Physics & Zoology, Mathematics and Statistics
2	I M. Sc., (Soft Skills)	Earth Science & Botany
3	I M. A., II M. A., I M. B. A., & I M. Sc. (Elective Subject)	Economics, Linguistics, Business Administration and Applied Psychology
4	II M. Com., II M. Sc., & II M. B. A.	Commerce, Geology, and Business Administration

### 10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned*	Actual**
Professor	01	2
Associate Professors	03	1
Asst. Professors	18	19

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Includes the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

### 11. Faculty profile with name, qualification, designation and specialisation (D.Sc./ D.Litt/ Ph.D./M.Phil., etc.)

S. No.	Name of the Teacher	Qualifications	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
1.	Dr. K. Muthuraman	Ph.D.	Professor & Head	African American Literature, English Language Teaching	16	11
2.	Dr. K. Rajaraman	Ph.D.	Professor	African American Literature, British Literature	14	14
3.	Dr. A. Selvaraj	Ph.D.	Associate Professor	American Literature, Comparative Literature	16	11
4.	Dr. S. Karthik kumar	Ph.D.	Assistant Professor	Anglo-Indian Fiction	12	10
5.	Dr. S. Ayyappa Raja	Ph.D.	Assistant Professor	Indian Writing in English, American Literature,	12	7
6.	Dr. S. Florence	Ph.D.	Assistant Professor	American Literature, British Literature	9	9
7.	Ms. P. Shanmugasundari	M.Phil	Assistant Professor	Indian Writing in English	9	--
8.	Dr. V. Gnanaprakasam	Ph.D.	Assistant Professor	American Literature, African American Literature	9	6
9.	Ms. G. Aruna Devi	M.Phil	Assistant Professor	Indian Writing in English, American Literature	7	--
10.	Dr. G. Arputhavel Raja	Ph.D.	Assistant Professor	American Literature, British Literature	7	7
11.	Mr. P. Dinakaran	M.Phil	Assistant Professor	American Literature, Indian Writing in English	7	-
12.	Dr. M. Madhavan	Ph.D.	Assistant Professor	American Literature, British Literature	7	1
13.	Dr. T. Deivasigamani	Ph.D.	Assistant Professor	American, African American, and Dalit Literature	12	9

S. No.	Name of the Teacher	Qualifications	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
14.	Dr. R. Rajamohan	Ph.D.	Assistant Professor	English language Teaching, American Literature	7	1
15.	Ms. S. Bhuvaneshwari	M.Phil	Assistant Professor	American Literature, British Literature	6	—
16.	Mr. N. Saravana Prabakar	M.Phil	Assistant Professor	Indian Writing in English	6	---
17.	Mr. M. Soundhararajan	M.Phil	Assistant Professor	American Literature, British Literature	6	—
18.	Mr. C. Shanmugasundaram	M.Phil	Assistant Professor	African, American Literature	6	-
19.	Mr. B. Karthikeyan	M.Phil	Assistant Professor	Indian Writing in English, Comparative Literature	5	-
20.	Mr. K. Ganeshram	M.Phil	Assistant Professor	Post modern Fiction, Comparative Literature, American Literature	5	-
21.	Ms. S. P. Shanthi	Ph.D.	Assistant Professor	American Literature, British Literature	5	1
22.	Ms. R. Vijaya	M.Phil	Assistant Professor	American Literature, British Literature	5	-

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors - Nil**

**13. Percentage of classes taken by temporary faculty - programme-wise information -Nil**

**14. Programme-wise Student Teacher Ratio: 1:2**

**15. Number of academic support staff (technical) and administrative staff:**

	Actual
Technical	2
Administrative	10

**16. Research thrust areas recognized by funding agencies:**

- British Literature, American Literature, Comparative Literature, Translation, Dalit Literature, Indian literature in English, English Language Teaching

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Name of the Agency		Amount	Title of the Project, Name of the Investigator(s)
National	International		
CCSLL, Annamalai University	-	Rs. 30,000	Translation of Gwendolyn Brooks's Selected Poems - Dr. K. Muthuraman
UGC	-	Rs. 4,05,000	Hidden Apartheid: A Survey of Dalit Literature in Tamil Nadu - Dr. T. Deivasigamani

**18. Inter-institutional collaborative projects and grants received**

a) All India collaboration b) International - Nil

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received: - Nil****20. Research facility / centre with : - Nil**

- state recognition
- national recognition
- international recognition

**21. Special research laboratories sponsored by / created by industry or corporate bodies: - Not applicable****22. Publications:**

- Number of papers published in peer reviewed journals (national / international)

National: 35

International: 131

Year		Publications
2009	National	1
	International	9
2010	National	7
	International	12
2011	National	12
	International	22
2012	National	09
	International	47
2013	National	6
	International	41
2014	National	-
	International	-

- Monographs: 02
- Chapters in Books: Nil
- Edited Books: 07
- Books with ISBN with details of publishers: 07
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) Nil
- Citation Index - range / average : Nil
- SNIP: Nil
- SJR: Nil
- Impact Factor - range / average : Nil
- h-index : Nil

**23. Details of patents and income generated : Nil****24. Areas of consultancy and income generated : Nil****25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad - Nil**

## 26. Faculty serving in

### a) National committees :

1. Dr. K. Muthuraman, Professor & Head:
  - a. Member of Board of Studies in Sri Sarada College for Women, Salem.
2. Dr. K. Rajaraman, Professor, Member of Board of Studies in
  - a. Alagappa University, Karaikudi,
  - b. St. Joseph College, Cuddalore
  - c. PRIST University, Tanjore
  - d. Kongunadu Arts & Science College, Coimbatore.
3. Dr. A. Selvaraj, Associate Professor, Member of Board of Studies in Bharathidasan Government College for Women, Puducherry
4. Dr. S. Karthik Kumar, Assistant Professor, Member of Board of Studies in Bharathiar University, Coimbatore.
5. V. Gnanaprakasam, Assistant Professor, Member of Board of Studies in Bishop Heber College, Trichy, (Bharathidasan University)

### b) International committees:

Dr. K. Muthuraman, Professor & Head, Member of the International Exchange Alumni Committee

### c) Editorial Boards:

Dr. K. Muthuraman	Dr. K. Rajaraman
Dr. A. Selvaraj	Dr. S. Karthik Kumar
Dr. S. Ayyappa Raja	Dr. S. Florence

### d) any other (please specify) : Nil

## 27. Faculty recharging strategies:

In-Service Programme, Refresher Courses, Orientation Courses, Guest Lectures, Workshops, etc.

## 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects:  
M.A. Students undertook projects on Journalism, short film making, and Literature.
- percentage of students doing projects in collaboration with other universities / industry / institute - Nil

## 29. Awards / recognitions received at the national and international level by Faculty

Dr. K. Muthuraman, Professor and Head, Department of English earned the academic distinction of participating in the US Dept. of State's six weeks Fulbright Scholar Program on contemporary American Literature, from 15 June 2012 to 28 July 2012, in Louisville, Kentucky, USA.

- Doctoral / post doctoral fellows : Nil
- Students : Nil



### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S. No.	Title of Conferences /Seminars / Symposia / Workshops conducted	Date of conferences/ Seminars / Symposia/ Workshops conducted
1.	National level seminar on "Reconstructing Shakespeare"	2-.3 March.2009
2.	Recent Trends in African American Literature	30-31 March 2010
3.	New English Literature	9 March 2011
4.	15 <sup>th</sup> India Poetry Festival	22 August 2012
5.	Confessional Poetry in English: New Trends	21-22 February 2012
6.	Workshop on Documentaries and their Social Relevance	14 February 2012
7.	Workshop on Short Film Making	29 February 2012
8.	American Literary Movements: A Reappraisal	27-28 March 2014

### 31. Code of ethics for research followed by the departments

- The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices (GRP).
- All researchers follow the standard procedures for conducting research laid down by relevant scientific and professional bodies

### 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A. (CBCS)	540	277	175	91	94
M.A. (Integrated)	1900	1199	618	83	92
M. Phil.,	200	104	70	100	100
Ph.D.	100	46	30	100	100

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MA CBCS	15%	79%	6%	Nil
MA Integrated	Nil	Nil	6%	2%
M. Phil.	43%	51%	6%	Nil
Ph.D.	33%	60%	7%	Nil

### 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. - SET: 10

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	Not applicable
PG to M.Phil.	51%
PG to Ph.D.	35%
Ph.D. to Post-Doctoral	Nil
Employed	
• Campus selection	05%
• Other than campus recruitment	80%
Entrepreneurs	Nil

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	45%
from other universities within the State	55%
from universities from other States	Nil
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: - Ph.D. – 04**

### 38. Present details of infrastructural facilities with regard to

- a) Library : Yes
- b) Internet facilities for staff and students : Yes
- c) Total number of class rooms: 13 rooms
- d) Class rooms with ICT facility: 02 rooms
- e) Students' laboratories : Yes (common)
- f) Research laboratories : No need

### 39. List of doctoral, post-doctoral students and Research Associates

- a) from the host university : 42
- b) from other universities : 68

**40. Number of post-graduate students getting financial assistance from the university? : - Nil**

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

No new programme introduced during 2009-2012

### 42. Does the department obtain feedback from:

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes; by periodical revision of syllabus and methods of teaching

b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? :

Yes. All their suggestions are considered for further development based on the feedback, the staff members are advised, to handle/change their methods of teaching suiting to the basic needs of the students.

c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

Their valuable suggestions are taken into consideration. (Syllabus revised accordingly)

### 43. List the distinguished alumni of the department (maximum 10)

Distinguished Alumni

Dr. K. Chellappan	Formerly HOD of English	Bharathidasan University
Dr. C. T. Indira	Formerly HOD of English	University of Madras.
Dr. V. Satchindhandam	Formerly HOD of English	Madurai Kamaraj University
Dr. T. Sriraman	Formerly Prof. of English	CIEFL
Mr. K. S. Azhagiri	Member of Parliament (Cuddalore)	

#### 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

##### Special lecturers

S. No.	Speaker	Topic	Date
1.	Mr. V. Thiruselvam, Director, T. V. Serial	Themes and Tends in T. V. Serials	05.03.09
2.	Mr. L. V. Aadhavan, Director, T. V. Serial	Visual Communication	09.04.09
3.	Mr. L. V. Aadhavan, Director, T. V. Serial	Communication Trends in the T. V. and Cinema Media	28.10.09
4.	Dr. C. Ravindran, Formerly Prof. & Head, Department of Languages, Delhi University	Documentaries and their Social Relevance	14.02.12
5.	Mr. Salem Siva, Director, T. V. Serial	Short Film Making	16.03.12
6.	Dr. Eric Miller, Director, World Story Telling Institute & Faculty of Humanities & Social Science, IIT, Chennai	Indian Folklore	18.09.12
7.	Dr. R. Elango, Former Prof. & Head of Economics and Dean, Faculty of Arts, Annamalai University	Swami Vivekananda	23.01.13
8.	Dr. V. Vinodkumar, Associate Professor, Bharathidasan University	The Basics of Post-Colonial Theory	07.02.14
9.	Dr. Roopkumar Balasingh, Associate Professor, Bishop Heber College, Trichy	"Literature: A Science or Art"	07.02.14
10.	Dr. A. Sangeetha, Associate Professor & Head, Periyar University, Salem	"Research Methodology"	10.02.14
11.	Dr. K. Chellappan, Formerly Professor & Head, Department of English, Bharathidasan University	"Shakespeare's Day ," in commemoration of his 450 <sup>th</sup> birth anniversary Special lecture on "The Perennial Shakespeare"	04.04.14
12.	Dr. N. Seraman, Principal, Thiruvalluvar Arts & Science College, Kurinjipadi	"Specificities in Academic Writing: An Overview"	05.04.14

#### 45. List the teaching methods adopted by the faculty for different programmes:

Lectures; Seminars; Workshops; Projects; Industrial trips; Communication Lab.

#### 46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- By getting feedback from the stakeholders & Faculty, Staff Meeting; Board of Studies; Academic Council; Faculty Meeting; internal assessment through Assignments, Tests, etc.

#### 47. Highlight the participation of students and faculty in extension activities.

NCC/NSS/Blood Bank/Red Ribbon

#### 48. Give details of "beyond syllabus scholarly activities" of the department.

- English Literary Association provides opportunities to harness students' skills in speaking and writing.

#### 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. - Nil

#### 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Focusing on imparting communication skills; Teaching Soft Skills: Incorporated into the syllabus IT Technology for competitive examinations; conducts every year seminars and workshops at national level; publishes a department / faculty journal "Voice International" with ISSN member.

## 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

### Strengths

- Rural Students
- First generation students
- Girls students are many
- SC/ST – Majority of students
- Infrastructural facilities commendable

### Weaknesses

- Exposure is less
- Illiterate parents
- Mostly commuters
- BBL – As employed as neck-ends
- Lacks motivation

### Opportunities

- Employment in teaching position
- Scholarship
- Interdisciplinary opportunity more
- Extra and co-curricular activities
- Campus discipline better-no ragging, etc.

### Challenges

- Compete with urban/elite students
- Industrial exposure less
- Communication in English
- No private book shops
- ICT

## 52. Future plans of the department.

- Overcome shortage of teaching faculty:
  1. Recruiting teaching staff
  2. Appointing resource persons
  3. Allotting additional classes to the existing faculty
  4. Combining classes wherever possible
- Create more infrastructural facilities:
  1. Establishing language laboratory
  2. Establishing acoustic lab
  3. Establishing a conference hall
  4. Providing access to online resources such as spark notes, cliff notes, pink monkey notes, novel guide.com, etc.
- Encourage IT:
  1. Including a course on computing skills
  2. Utilization of computer lab facilities
  3. Exploiting language learning softwares for imparting listening and speaking skills.
  4. Awareness on computeracy
  5. Creating website to upload sources
- Bring out text books for students at basic levels:
  1. Part II English books for students of all branches of study
  2. Grammar books
  3. Language exercise books
  4. Books on idioms and phrases

## DEPARTMENT OF HISTORY

**1. Name of the Department :-** History

**2. Year of Establishment :-** 1929

**3. Is the Department part of a School/Faculty of the university?**

- It is a part of the Faculty of Arts of the University

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

M.A., History (C.B.C.S);

M.A., Five Year Integrated Course in History;

M.Phil., History;

Ph.D., History;

D.Litt., History;

**5. Interdisciplinary courses and departments involved**

S.No	Course	Department Name
	<b>PG Courses</b>	
1.	Intellectual History of Tamilnadu	Tamil Studies & Research, Philosophy,
2.	Constitutional History of India 1858-1950	Political Science and Public
3.	Human Rights and International Systems	Administration,
4.	Women Studies (With special reference to India)	Sociology,
5.	History of Freedom Movement in India	Business Administration

**6. Courses in collaboration with other universities, industries, foreign institutions, etc. -** Nil

**7. Details of programmes / courses discontinued, if any, with reasons**

- M.A Ancient History and Archaeology Programme is temporarily stopped in 2008-2009 due to lack of adequate applicants for the programme

**8. Annual/ Semester/Choice Based Credit System**

- Semester System & Choice Based Credit System

**9. Participation of the department in the courses offered by other departments**

Degree	Department	Course
M.Sc.	Department of Computer Science, Faculty of Engineering and Technology	M.Sc. (IT) I Year Integrated I Semester - Paper taken : Civics

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned *	Actual**
Professor	01	01
Associate Professors	02	02
Asst. Professors	04	20

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Includes the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

**11. Faculty profile with name, qualification, designation and specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr.J.Rubavathi	M.A., M.Phil., B.Ed., Ph.D.,	Professor and Head (w.e.f. from 01.01.2013)	South Indian Art and Architecture	26	03
Dr.K.Sankari	M.A., B.Ed., M.Phil.Ph.D.,	Associate Professor	Indian National Movement	14	04
Dr.C.Nadarajan	M.A., M.Phil., Ph.D.,	Associate Professor	Social History - Modern Period	13	06
Dr.V. Thirumurugan	M.A., M.Ed., M.Phil., Ph.D.,	Assistant Professor	Social and Economic History- Medieval Period	12	--
Dr.B.Sheela	M.A., M.Phil., Ph.D.,	Assistant Professor	Temple Study	11	03
Dr.A.Sakthivel	M.A., M.Phil., Ph.D.,	Assistant Professor	Temple Study	8	03
Dr.S.Sridhar	M.A., M.Phil., Ph.D.	Assistant Professor	Human Rights	9	--
Dr.P.Ramar	M.A., M.A., M.Ed., M.Phil., Ph.D.,	Assistant Professor	Human Rights	9	01
Dr.V.Mani	M.A., M.Phil., Ph.D.,	Assistant Professor	Dalit Studies	8	--
Dr.P.Raja	M.A., M.T.M., M.Phil.,Ph.D.,	Assistant Professor	Tourism	7	04
Dr.K.Appadurai	M.A., B.Ed., M.Phil. Ph.D.,	Assistant Professor	Social History - Modern Period	6	--
Dr.G.Rangarajan	M.A., B.Ed., M.Phil., Ph.D.	Assistant Professor	Economic History - Modern Period	5	--
Dr.S.Sivakumar	M.A., M.Phil., Ph.D.,	Assistant Professor	Temple Study	5	--
Dr.M.Thamarai Manalan	M.A., B.Ed., M.Phil.,Ph.D.,	Assistant Professor	Economic History - Modern Period	5	--
Dr.M.L.Mini	M.A., B.Ed., M.Phil., Ph.D.,	Assistant Professor	Social History of Kerala-Modern Period	5	--
Dr.P.Kalaichelvan	M.A.,M.Phil.,Ph.D.,	Assistant Professor	Temple Study	5	--
Dr. J.R.Sivarama Krishnan	M.A., M.Phil., B.Ed., Ph.D.,	Assistant Professor	Temple Study	5	--
Dr.R.Balaji	M.A., M.Phil., M.Ed.,Ph.D.,	Assistant Professor	National Movement	5	--
Dr.K.Kumaran	M.A., M.Phil., Ph.D.,	Assistant Professor	Temple Study	5	--
Dr. R.Muthu	M.A., M.Phil., B.Ed., Ph.D.,	Assistant Professor	Tourism	5	--
Dr.P.Justin Paul	M.A., M.Phil., Ph.D.	Assistant Professor	Economic History - Modern Period	4	--
Ms. K. Alamelu	M.A., M.Phil.,	Assistant Professor	Temple Study	3	--
Dr. R.Rajeshwari	M.A., M.A., B.Ed., M.Phil., Ph.D.,	Assistant Professor	Tourism	3	--

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors**

Our faculty serving outside – Nil

Faculty from other institutions serving here :

Name and Designation	Serving as	Institution
Dr.A.Subbian	Emeritus Fellow UGC, New Delhi	History Department, Annamalai University (2008-2010)

**13. Percentage of classes taken by temporary faculty – programme-wise information**

- M.A. History (Integrated) - 50 %

**14. Programme-wise Student Teacher Ratio**

- Student Teacher Ratio : 5 : 1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Actual
Technical Staff	02
Administrative Staff	06

**16. Research thrust areas recognized by funding agencies**

Aesthetic Studies; Epigraphy Studies; Indian Freedom Movement;  
 Subaltern Studies; Women's Studies; Human Rights;  
 Historical Tourism; Socio-Economic History of India;

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise. – Nil****18. Inter-institutional collaborative projects and grants received --**

a) All India collaboration b) International ----

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. ----****20. Research facility / centre with**

- state recognition
- national recognition
- international recognition

The department has got state and national recognition for our research

**21. Special research laboratories sponsored by / created by industry or corporate bodies ----****22. Publications: Annexure I**

- Number of papers published in peer reviewed journals (national / international) -78/43
- Monographs
- Chapters in Books - 14
- Edited Books - 06
- Books with ISBN with details of publishers

- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.)--
- Citation Index – range / average --
- SNIP
- SJR
- Impact Factor – range / average --
- h-index

### **23. Details of patents and income generated**

### **24. Areas of consultancy and income generated**

### **25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad**

### **26. Faculty serving in**

#### **a) National committees**

- Dr.N.Alagappan, Professor and Head (Retired), Department of History has been appointed as a member of Indian Historical Research Committee, New Delhi for five years from 2011 to 2015.
- Dr.J.Rubavathi , Professor and Head, Department of History has been appointed as a member of Indian Historical Records Commission, Government of India, New Delhi.

#### **b) International committees**

#### **c) Editorial Boards**

- Dr.N.Alagappan, Professor and Head (Retired), is a Member of the Editorial Board of the Humanities Journal of the Annamalai University
- Dr.J.Rubavathi, Professor and Head, is a Member of the Editorial Board of the History Lessons of DDE, Annamalai University.

#### **d) Any other (please specify)**

### **27. Faculty recharging strategies**

- The Faculty members are being recharged through Orientation Course, Refresher Course, In-service Training Programmes, Training programmes related to History subject.

### **28. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities / industry / institute

Each final year student of M.A History is submitting a project in the final semester.



## 29. Awards / recognitions received at the national and international level by

### ➤ Faculty

Year	No. & Names of Prestigious Awards received by the Faculty
2008-09	<p><b>Dr.P.Raja</b>, Asst Professor Attended and presented a research paper on “Karikalacholan and the Battle of Venni” organized by A.D.M College, Nagapattinam during 29 and 30 May 2009 and received the <b>Tamil Sudar Award</b> for the Best Research Paper</p> <p><b>Dr.K.Appadurai</b>, Asst. Professor Attended and presented a research paper on “Sangakala Porgalinal Yerpatta Vilaivugal organized by A.D.M College, Nagapattinam during 29 and 30 May 2009 and received the <b>Tamil Sudar Award</b> for the Best Research Paper</p> <p><b>Mr.R.Balaji</b>, Asst. Professor Participated and Presented a paper in the Conference organized by Tamizh Aiya Kalvi Kazhagam, Tiruvaiyaru and received the <b>Tamil Sudar Sirappu Award</b> for Best research paper</p>
2010-11	<p><b>Dr.B.Sheela</b>, Asst. Professor The Best Citizen of India Award for the year 2011 by International Publishing House, New Delhi.</p>
2011-12	<p><b>Dr.N.Alagappan</b>, Professor and Head (Retired), Department of History has been appointed as a member of Indian Historical Research Committee, New Delhi for five years from 2011 to 2015.</p> <p><b>Mr.R.Muthu</b>, Asst. Professor, Participated and Presented a paper on Bharathiyin Penniya Chinthanaigal in the International Conference organized by Tamizh Aiya Kalvi Kazhagam, Tiruvaiyaru at Kutralam on 23.07.2011 and received the <b>Senthamil Thilagam Award</b> for Best research paper</p> <p><b>Mr.R.Balaji</b>, Asst. Professor, Participated and Presented a paper in the International Conference organized by Tamizh Aiya Kalvi Kazhagam, Tiruvaiyaru and received the <b>Senthamil Thilagam Award</b> for Best research paper</p>
2012-2013	<p><b>Dr.K.Appadurai</b>, Asst. Professor, Participated and Presented a paper in the International Conference organized by Tamizh Aiya Kalvi Kazhagam, Tiruvaiyaru and received the <b>Deiva Tamil Suder Award</b> for Best research paper</p> <p><b>Dr.R.Balaji</b>, Asst. Professor, Participated and Presented a paper in the International Conference organized by Tamizh Aiya Kalvi Kazhagam, Tiruvaiyaru and received the <b>Ilakiya Sudar Award</b> for Best research paper</p> <p><b>Dr.P.Justin Paul</b>, Asst. Professor, Participated and Presented a paper in the International Conference organized by Tamizh Aiya Kalvi Kazhagam, Tiruvaiyaru and received the <b>Deiva Tamil Suder Award</b> for Best research paper</p>
2013-2014	<p><b>Dr.R.Balaji</b>, Asst. Professor, Participated and Presented a paper in the International Conference organized by Tamizh Aiya Kalvi Kazhagam, Tiruvaiyaru and received the <b>Deiva Tamil Suder Award</b> for Best research paper</p>

➤ Doctoral / post doctoral fellows - NIL

➤ Students - NIL

### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. List of International and National Conferences/ Seminar/ Symposia/ Training Programmes - Organized

National : 06 International : 01

#### National

Date	Title of Seminar/Conference/ Workshop/Symposium	Funding Agency	Outstanding Participants / Invitees
07.11.2009 to 09.11.2009	The Promotion And Protection Of Human Rights	UGC	Dr. K. Mariappan, Member, State Human Rights Commission, Chennai – 600 028 Dr.N.Rajendran, Dean, Faculty of Arts, Bharathidasan University, Tiruchirappalli
22.03.2010 to 23.03.2010	The Contributions Of The Tamils To Science And Technology Through The Ages	TANSCHE	Dr. S. Bhaskaran, Member Secretary, Tamil Nadu State Council for Higher Education, Chennai Dr. K. Rajan, Professor of History, Department of History, Pondicherry University, Pondicherry
22.03.2011	Environmental Culture Of The Tamils: Some Learning From Their History	UGC	Dr.V.Vedhachalam, Senior Epigraphist, Madurai Dr.J.Raja Mohamed, Curator of Museums, Pudukottai
16.03.2012 to 17.03.2012	Recent Trends In Methodology In Historical Research	UGC	Dr.N.Rajendran, Dean, Faculty of Arts & Professor and Head, Centre for Historical studies, Bharathidasan University Dr. G. Venkataraman, Professor and Head, Dept. of History, University of Madras, Chennai
13.10.2012 to 15.10.2012	Tamilnadu History Congress (19 <sup>th</sup> Annual Session)	TNHC	Dr. T.S. Sridhar, Additional Chief Secretary, Higher Education Department, Govt. of Tamilnadu, Chennai Dr. M.S. Govindasamy, Former Professor and Head, Department of History, Annamalai University
14.10.2012	The Nature and Complexities of Society and Economy of Tamilnadu during the Medieval and Modern Periods	ICHR	Prof. P. Jagadeesan, Former Vice- Chancellor Bharathidasan University, Trichy Dr. S.K. Aruni, Deputy Director (ICHR), Indian Council for Historical Research Bangalore

#### International

Date	Title of Seminar/ Conference/ Workshop/ Symposium	Funding Agency	Outstanding Participants
27.04.2011 to 29.04.2011	16 <sup>th</sup> Annual Conference on Association Of Third World Studies South Asia Chapter	ATWS	Dr. K. Sadasivan, Secretary, ATWS, Formerly Professor & Head Department of History, 4M.S. University, Tirunelveli Ms. Vasumathy Devi, Vice-President ATWS South Asia Chapter, Associate Professor & Head, Department of History, University of Kerala

### 31. Code of ethics for research followed by the departments

- Systematic and objective oriented investigation in collection and analysis of historical data in order to ascertain pure historical knowledge.
- Explicit reflection of traits which attribute for the preservation and enhancement of Indian Culture.
- Ascertaining accuracy authenticity and objectivity in historical research detaching plagiarism, fallacies, distortion, duplication, prejudices and the like to enhance originality in research.
- Avoiding literary artification, rhetoric usages, hypercriticism and dilettantism which make history unscientific.
- Promoting personal honesty and moral integrity which are required for those practicing history.

### 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A., History (C.B.C.S)	123	46	40	96	98
M.A., Five Yr. Integ. Course in History	32	11	09	98	99
M.Phil., History	134	39	50	96	98
Ph.D., History	118	42	26		

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A. History (CBCS)\	--	100%	--	--
M.A., Five Yr. Integ. in History	--	100%	--	--
M.Phil., History	70%	30%	--	-
Ph.D., History	80%	20%	--	-

### 34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

NET/SLET - 04

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	-
PG to M.Phil.	60%
PG to Ph.D.	50 %
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	20%
• Other than campus recruitment	35%
Entrepreneurs	35%

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	50%
from other universities within the State	45%
from universities from other States	5%
from universities outside the country	-

### 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period

- 12 Faculty Members were awarded Ph.D. during the Assessment Period

### 38. Present details of infrastructural facilities with regard to

#### a) Library

No. of Books : 4179

Back Volumes : Nearly 600

#### b) Internet facilities for staff and students - Available in the department

#### c) Total number of class rooms - 06

#### d) Class rooms with ICT facility - 01

#### e) Students' laboratories ----

#### f) Research laboratories ----

### 39. List of Doctoral, Post-doctoral students and Research Associates

#### a) from the host university ----

#### b) from other universities ----

### 40. Number of post graduate students getting financial assistance from the university?

Period	No. of Students
2008-2012	37

### 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

The main programmes, M.A. History (CBCS) and M.A. Integrated have already been introduced. Employment opportunities are more and the following programmes are planned to be introduced.

#### Certificate Course in Epigraphy

Epigraphy is a sister discipline of History. A certificate course in Epigraphy will enhance the visibility of History Students.

#### Certificate Course in Museum and Archives Keeping

Now a days Museums and National Archives both at National and International Level are to be considered as avenues of employment generation. Hence we would like to start the certificate course.

#### Awareness Programme

India is a land with rich Historical and Cultural monuments. They are not only silently speaking the history and culture of the Indian Society but also attract foreign tourists. The development of Indian tourism leads to reaping of foreign exchange. Hence Heritage Monuments must be protected. In order to protect the Historical Monuments training should be given to the students and the public. Periodical awareness programmes must be organized to protect the monuments.

From each village 50 participants per year.

Yearly 60 hours in each village.

Yearly 5 villages will be selected for this programme

**42. Does the department obtain feedback from -**

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? - Yes.

b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? - Yes.

c) alumni and employers on the programmes offered and how does the department utilize the feedback? - Yes.

- The feedback is utilized for revising the curriculum.

**43. List the distinguished alumni of the department (maximum 10)**

Dr. P.C. Alexander	Former Governor of Tamilnadu and Maharastra.
Mr. Walter Thevaram	former DGP of Tamilnadu.
C. Thangaiyan	Former DIG of Police, Tamilnadu.
T.V. Mahalingam	an eminent archaeologist.
A.K. Pillai	a notable Historian.
Dr. P. Suriyanarayanan	former Prof. & Head
Dept. of History	Madurai Kamaraj University.
Dr. S. Bhaskaran	Member Secretary, Higher Education, Tamil Nadu.
Dr. Padma Subramanian	the famous Bharathanattiyam Dancer and an art critic.
Dr. M.S. Govindasamy	a notable Historian.
Dr. K. Ponmudi	Former Minister of Higher Education Tamilnadu
P. Azhagar	DIG of Police, Tamil Nadu
P. Sethuramavarma	Chief Education Officer, Cuddalore District
Natana.Kasinathan	Former Director, Dept. of Archaeology, Govt. of Tamil Nadu.
N. Subramanian	Historian.

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

S.No	Seminar/ Workshop/ Special Lectures/ Symposium etc.	Title	Year
1	Endowment Lecture	Temple Entry Movement, Delivered by Dr. L. Selvamuthu Kumaraswamy, Lecturer (S.G) in History, Presidency College, Chennai.	19.02.2008
2	Endowment Lecture	Historical Ballads - Delivered by Prof. P. Sarveswaran (Rtd.), Dept. of Modern History, School of Historical Studies, Madurai Kamaraj University, Madurai	20.02.2008
3	Endowment Lecture	Contribution of Pandyas to Art and Architecture - Delivered by Dr. G. Sethuraman, Professor and Head, Dept. of Art History, Madurai Kamaraj University, Madurai	24.03.2008
4	Endowment Lecture	Kashmir Issue - A Historical Analysis - Delivered by Dr. Manoj Nazir, Scientist in Floriculture, Dept. of Agri, Jammu Kashmir University, Kashmir	30.09.2009
5	National Seminar	The Promotion And Protection Of Human Rights	07.11.2009 to 09.11.2009
6	Endowment Lecture	Art and Architecture under the Vijayanagar Rulers Dr. T. Chandrakumar, Dean, Faculty of Arts, Professor & Head, Department of Sculpture, Tamil University, Tanjore	22.02.2010,
7	National Seminar	The Contributions of the Tamils To Science And Technology Through The Ages	22.03.2010 to 23.03.2010

S.No	Seminar/ Workshop/ Special Lectures/ Symposium etc.	Title	Year
8	Endowment Lecture	Methodology for the Study of Caste Conflict - Dr. K.A.Manikumar, Director, Directorate of Distance Education Manonmaniam Sundaranar University Abhishekapatti, Tirunelveli	16.04.2010
9	Endowment Lecture	Contributions of Prof.R.Sathianathaier to Indian Historiography Dr.S.Bhaskaran, Member Secretary, Tamilnadu Higher Education Council, Chennai	27.04.2010
10	Endowment Lecture	i) Reconstructing Early History of Tamilnadu ii) Economy of Medieval Times - Dr.R.Nagasamy, Director (Rtd.), Tamilnadu Archaeological Department, Chennai.	10.02.2011
11	National Workshop	Environmental Culture Of The Tamils: Some Learning From Their History	22.03.2011
12	International Conference	16th Annual Conference on Association Of Third World Studies South Asia Chapter	27.04.2011 to 29.04.2011
13	Endowment Lecture	New Trends in the Writing of History Dr.G.Chandrika, Professor, Department of History, Pondicherry University, Pondicherry.	09.03.2012
14	National Workshop	Recent Trends In Methodology In Historical Research	16.03.2012 to 17.03.2012
15	National Conference	Tamilnadu History Congress (19th Annual Session)	13.10.2012 to 15.10.2012
16	National Symposium	The Nature and Complexities of Society and Economy of Tamilnadu during the Medieval and Modern Periods	14.10.2012

#### 45. List the teaching methods adopted by the faculty for different programmes.

- Lecture method and power point presentation.
- Spot visit to historical monuments.

#### 46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- Good citizenship training programmes are organized

#### 45. Highlight the participation of students and faculty in extension activities.

- NSS Unit XXII of the Department of History Organized a Ten Day N.S.S Special Camping Programme at Usuppur Village in Chidambaram Taluk from 07.02.2008 to 16.02.2008. 50 students of History Department participated in it.
- NSS Units XX & XXII of the Department of History jointly organized a special camping programme at Thillaivitangan Village from 7.3.2009 to 13.3.2009. About 60 students of the department participated in that camp.
- NSS Units XX & XXII of the Department of History jointly organized a special camping programme at Perumathur Village from 15.09.2009 to 21.09.2009. About 60 students of the department participated in that camp.
- NSS Unit XXII of the Department of History organized a seven day special camping programme at Thiruvanthipuram Village in Cuddalore District from 01.03.2011 to 07.03.2011. 50 students of our department participated
- NSS Unit XXII of the Department of History organized a seven day special camping programme at Thiruppani Natham Village in Cuddalore District from 29.02.2012 to 06.03.2012. Fifty students of our department participated
- NSS Unit XXII of the Department of History organized a seven day special camping programme at C. Mela Vanniyur Village in Cuddalore District from 28.03.2013 to 03.04.2013. Fifty students of our department participated

#### 48. Give details of “beyond syllabus scholarly activities” of the department.

- Students are taken for archaeological explorations.
- Students are serving as tourist guide on leisure hours.

#### 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. ---

#### 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- The department of History brings out the historical significance of temples of Tamilnadu. It discovers new inscriptions and brings a lot of new information pertaining to the History of Tamilnadu.

#### 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

##### Strengths

- 99 % of the Faculty Members have possessed Ph.D. Degree
- In every academic year we produce nearly 5 Ph.D.s and 15 M.Phils.
- We have a good library which is highly useful for researchers for reference
- Internet facility is available
- Socially and economically backward students are admitted and we produce first generation of learners

##### Weaknesses

- No introduction of B.A.Ed (History), M.A.Ed. (History) under integrated course mode.
- No E-Journal Subscriptions
- No facilitating of evening courses

##### Opportunities

- Our students get employment by campus interviews.
- Our faculty members are permitted to attend orientation courses and refresher courses to enhance their knowledge in the subject.
- We help our students to get through the Public Service Examinations. We take special classes who are appearing for the competitive examinations.
- We give guidelines and help our research scholars to get various scholarships like Rajiv Gandhi National fellowships, ICHR scholarships etc.,
- Value based education is given to our students.

##### Challenges

- Not introducing ‘History’ as a common core paper for Engineering, Science and Medicine, Nursing and all other studies of knowledge.
- No Chair/Centre for Special Studies such as Women Studies, Environmental Studies, Dalit Studies, Personality Studies, Defense Studies.
- No Amalgamation of courses on Human Rights, Tourism Management etc. with History Department.
- Suitable fixation of train timings securing for easy access.
- Decreasing students admission due to mushrooming of educational institutions.

#### 52. Future plans of the department.

- It is decided to collect all the inscriptions of Chidambaram Nataraja Temple and publish them in a single volume
- We have also decided to start the following programmes
  - Certificate Course in Epigraphy
  - Certificate Course in Museum and Archives Keeping
- Awareness Programmes





### 11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name& Designation	Qualification	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. P. Sakthivel Associate Professor & Head i/c	M.A. Ph.D.,	i) Muslim Politics in Tamil Nadu ii) Terrorism and International Relations iii) Government and Politics of Tamil Nadu	15	01
Dr. P. Chinnathurai Associate Professor	M.A. M.Phil. Ph.D.,	i. Indian Political Thought ii. Gandhian Studies	15	01
Dr. Neelam Pandey Assistant Professor	M.A. B.Ed. P.hD.,	i. Indian Political Thought ii. Political Theory	14	01
Dr. J. Subramaniyan Assistant Professor	M.A. M.Phil., Ph.D	Indian Government and Politics and Indo-U.S. Relations, Secularism, Judiciary and Nation- Building	14	01
Dr. K. Senthil Kumar Assistant Professor	M.A. Ph.D	International Relations & Political Thought	12	01
Dr. N. K. Kumaresan raja Assistant Professor (Relieved from the service on 12 <sup>th</sup> March 2012)	M.A., Ph.D	Land Administration and Social Inclusiveness, Indian Bureaucracy	09	-
Dr.S. Balamurugan Assistant Professor	M.A. M.Phil. Ph.D	Human Rights	11	-
Dr. S. Sivarajan Assistant Professor	M.A. M.Phil. B.L (P.hD),	Human Rights	11	-
Dr. Smarita Mishra Assistant Professor	M.A. Ph.D	Women Studies	11	-
Dr. T. Natarajan Assistant Professor	M.A. Ph.D	i. Tamil Nadu Government and Politics ii. Political Geography	10	-
Dr. N. Swaminathan Assistant Professor	M.A. Ph.D.,	State Politics Indian Govt. Politics	09	-
Dr. Subash Chandra Bose, Assistant Professor	M.A. M.Phil. Ph.D	Human Rights	08	-
Dr. K. Kottai Rajan Assistant Professor	M.A. M.Phil. Ph.D	1.South Asia Politics 2.Police Administration	08	-
Ms. S. Suchitra Varma Assistant Professor	M.A. M.Phil	Human Rights	08	-
Dr. M. Jeyabrabha Assistant Professor	M.A. Ph.D	Women Studies	06	-

### 12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors -

Nil

### 13. Percentage of classes taken by temporary faculty - programme-wise information -

Nil

#### 14. Programme-wise Student Teacher Ratio:

S.No	Course	Student Teacher Ratio
1	M. A. Political Science - Two Year CBCS Programme	29:10
2	M.A. Public Administration - Two Year CBCS Programme	05:08
3	M.A. Political Science (CBS) - Five year Integrated Programme	04:05

#### 15. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Actual
Technical Staff	02
Administrative Staff	06

#### 16. Research thrust areas recognized by funding agencies

Human Rights -UGC;

Social Exclusion-UGC

Tribal Welfare in India -ICSSR;

National Integration - ICSSR

#### 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

##### On Going Project:

Name of the agency		Amount	Title of the Project, Name of the Investigator(s)
National	International		
UGC	-	7.23 Lakh	Religious Conversions and Human Rights Issues in Tamil Nadu- <b>Dr.P.Sakthivel</b>
ICSSR	-	5.00 Lakhs	Indian Secularism: The Role of Supreme Court of India - A Study in the Process of National Integration - <b>Dr. J. Subramaniyan</b>
UGC	-	3:30 Lakhs	The Pattern of Social Exclusion of HIV Infected in Tamilnadu and Required Public Policy Intervention.- <b>Dr.S.Balamurugan</b>
ICSSR	-	6.00 Lakhs	An Impact Assessment of Development Programmes for Primitive Tribal Groups in Tamil Nadu: A Study on Primary Education, Housing and Health Status- <b>Dr.S.Balamurugan</b>

##### Completed Project:

Name of the agency		Amount	Title of the Project, Name of the Investigator(s)
National	International		
UGC	-	3.03 Lakhs	Fragmentation of Muslim Politics in Tamil Nadu- <b>Dr.P.Sakthivel</b>
ICSSR	-	7.48 Lakhs	Reconstructing Indian Land Administrative System for Attaining Social Inclusiveness - <b>Dr. N. K. Kumaresan Raja</b>

#### 18. Inter-institutional collaborative projects and grants received -Nil

##### a) All India collaboration b) International

#### 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. - Nil

#### 20. Research facility / centre with - Nil

- state recognition
- national recognition
- international recognition

## 21. Special research laboratories sponsored by / created by industry or corporate bodies - Nil

## 22. Publications:

- Number of papers published in peer reviewed journals (national/international) – Total: 74 (Annexure - I)
- Monographs - Nil
- Chapters in Books: 36
- Edited Books:01

S.No	Editors (s)	Title of the Chapter & Page Numbers(International)	Publisher	ISBN	Year of Publication
1	Dr. P. Sakthivel Dr. K. Senthil Kumar	C.N. Annathurai: The Artitech of Tamil nadu Politics,	Anna Memorial Chair, Annamalai University	(ISBN. 978-81-920484-1-3).	2012

- Books with ISBN with details of publishers- Nil
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) Nil
- Citation Index - range / average - Nil
- SNIP - Nil
- SJR - Nil
- Impact Factor - range / average - Nil
- h-index - Nil

## 23. Details of patents and income generated - Nil

## 24. Areas of consultancy and income generated - Nil

## 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad - Nil

## 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)-

Faculty	National committees	International committees	Editorial Boards
Dr. P. Sakthivel	1.Board of Studies: Member in Madras University, Tamil Nadu Open University , Bharadhi Dasan University , Gobi Arts and Science College,  2.Executive Council member in Indian Political Science Association	-	-
Dr. P. Chinnathurai	1.Board of Studies: Member in Madurai Kamaraj University and Alagappa University	-	-

## d) Any Other (please specify)-

S. No	Name of the Staff	Title, Place & Date
1.	Dr. K. Senthil Kumar Assistant Professor	Visited Chiangmai, Thailand and presented a paper entitled. " The Dark Area of University Education with Special reference of value education" in University- Community Engagement conference (UCEC) Jointly organized by Faculty of Social Administration, Thammasat University and Division of Industry and community Network, University sains Malaysia, Penang, Malaysia, in Lemeridien, Chiangmai during Jan 9-12,2012.
2.	Dr. N. K. Kumaresan raja Assistant Professor	<ul style="list-style-type: none"> <li>➤ Professional Training Consultant in Policy Making - Ministry of Natural Resources and Environment, Government of the Independent State of Samoa, South Pacific ( July 2011)</li> <li>➤ Visiting Professor, Faculty of Spatial Sciences, University of Groningen, The Kingdom of the Netherlands ( April 2011)</li> <li>➤ Visiting Invited Guest Faculty, Department of Political Science, University of Oldenburg, Federal Republic of Germany ( April 2011)</li> <li>➤ Visiting Faculty in Political Science &amp; Human Rights, Buskerud University College, Drammen, Norway ( January 2011)</li> <li>➤ Visiting Faculty in Political Science, University of Oslo, Oslo, Norway (January 2011)</li> <li>➤ Visiting Professor, Norwegian Agricultural Economics Research Institute (January 2011)</li> <li>➤ Visiting Professor of Political Science, Ludwig Maxmillains University, Geschwister-Scholl- Institute für Politische Wissenschaft, München, Germany ( January 2011)</li> <li>➤ Visiting Professor of Political Science , University of Cologne, Germany ( January 2011)</li> <li>➤ Visiting Faculty in Political Science, Siegen University, Federal Republic of Germany (February 2007 and January 2011)</li> </ul>

**27. Faculty recharging strategies -**

The teachers of the Department have been actively involved as participates and Resource persons of Refresher Course, Orientations course, FDP and other programmes organized by the University.

**28. Student projects - Nil**

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities/ industry/ institute

**29. Awards / recognitions received at the national and international level by**

- Faculty -Nil
- Doctoral / post doctoral fellows - Nil
- Students

Annamalai University has won the Third Prize (out of Five winners) in the *National Level Youth Parliament Competition*, Organized by the Department of Political Science and Public Administration and Ministry of Parliamentary Affairs. The University has also won a Merit Prize for our performance at the group level. Six students (from various Department) at the group level and Eight Students at the National Level competition have won individual performance prizes.

### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S.No	Year/Date	Theme/Title	Funding Agency	Programme coordinator	Outstanding Participant
1	19 <sup>th</sup> and 20 <sup>th</sup> of March 2007	Changing face of Indo- US Relations and the security Environment in Southern Asia	UGC	Dr. N.Swaminathan	-
2	27-28 Feb,2009	Emerging Trends and Issues in Local Government and Decentralized Governance	UGC	Dr. P. Sakthivel	-
3	11-12 Feb,2011	Democracy and Discontent in India	UGC	Dr. P. Sakthivel	-
4	28-29 Feb,2012	Environment, Health and Human Rights	UGC	Dr. J.Subramanaiyan	-
4	(October 12-13, 2012)	Personality and Leadership of C.N.Annadurai: An Architect of Tamil Nadu Politics	AU	Dr. K. Senthil Kumar	

### 31. Code of ethics for research followed by the departments

A Research committee comprising of senior faculty members is functioning in the department and the committee monitors the progress of the research work of both M.Phil., and Ph.D., Scholars in the department. Further, the research scholars are encouraged to present their research proposal in the department.

### 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A., (Pol.Sci)	18	12	06	100	100
M.A., (Pub.Admn)	18	16	02	100	100
M.A., (Pol.Sci.Integrated)	52	42	10	100	100
M.Phil (Political Science)	27	21	06	100	100
M.Phil (Pub.Admn.)	02	02	--		
Ph.D., (Political Science)	17	14	03	100	100
Ph.D. (Pub.Admn.)	01	01	-	-	-

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A., (Pol.Sci)	-	60	30	10
M.A., (Pub.Admn)	-	80	10	10
M.A., (Pol.Sci.Integrated)	-	70	-	30
M.Phil (Political Science)	30	10	60	-
M.Phil (Pub.Admn.)	-	100	-	-
Ph.D., (Political Science)	60	10	20	10
Ph.D. (Pub.Admn.)	100	-	-	-
UGC Certificate Programme in Human Rights Education	40	20	20	20

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. - 03 (passed SLET)**

**35. Student progression**

Student progression	Percentage against enrolled
UG to PG	-
PG to M.Phil.	18
PG to Ph.D.	07
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	
• Other than campus recruitment	
Entrepreneurs	

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	66%
from other universities within the State	26%
from universities from other States	08%
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period - Ph.D. - 02 [1) Dr. S. Sivarajan, 2) Dr. S. Subash Chandra Bose.]**

**38. Present details of infrastructural facilities with regard to**

- Library - Yes
- Internet facilities for staff and students - Yes
- Total number of class rooms- 07
- Class rooms with ICT facility- No
- Students' laboratories - No
- Research laboratories - No

**39. List of doctoral, post-doctoral students and Research Associates**

a) from the host university

Research Associates:- Mr. C. Arunkumar Mr. Ali Akbar  
Mr. D. Maran Mr. M. Magimai Raj

b) from other universities - Nil

**40. Number of post graduate students getting financial assistance from the university? - Scholarship for Ph.D.**

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. - No**

**42. Does the department obtain feedback from**

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes.

Feedbacks are obtained from faculty who handle courses, inputs were received and incorporated at the time of changes introduced in the syllabi.

b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes.

From time to time feedbacks are also obtained from students on syllabi and contents of the course. All the suggestions were incorporated in the existing syllabi of various courses.

c) Alumni and employers on the programmes offered and how does the department utilize the feedback? - No

#### 43. List the distinguished alumni of the department (maximum 10)

Dr.K.Ponmudi	Former Higher Education Minister, Govt. of Tamil Nadu.
Dr.G.Palanithurai	Professor of Political Science and Development Administration, Gandhigram Rural Institute, Gandhigram.
Dr.P.Lazarus Samraj	Professor, School of International Studies, Pondicherry.
Dr.K.Mohanasundaram	Professor of History (Retd.), Islamia College, Vaniyambadi.
P.A.Jacob Pulickan	Chairman of Gandhi Peace Foundation, Kerala.
Dr.K.S.Nakkeeran	Asso. Prof., Dept. of Pol. And Dev. Admn, Gandhigram Rural Institute, Gandhigram.
Dr.R.Sivakumar	Asst Prof., Dept. of Political Science, Thiruvalluvar Govt. Arts College, Rasipuram.
Dr.T.Krishnakumar	Asst. Prof. Dept. of Political Science, Presidency College, Chennai.
R.Sudhakar	Divisional Security Commissioner, Railway Protection Force, Hyderabad.
Dr.V.Arjunan	Asst. Prof. Dept. of Political Science, Presidency College, Chennai.
M.Mayilvahanan	Assistant professor, Indian Institute for Advanced Studies, Bangalore.
Dr. S. Saravana Kumar	Assistant Professor and HOD, Dept. of Political Science, Gobi Arts and Science college, Gobichettipalayam.

#### 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

S. No.	Seminar/Workshop/Special Lecture /Symposium etc.,	Title	Year
1	Dr. S. V. Chittibabu Endowment Lectureship - Dr. P. Radhakrishnan, Professor, Madras Institute of Development Studies, Chennai	Academic Freedom from a Human Rights Perspectives : The Indian Case I &II-	21.02.2007
2	Thiru. S. Bhaskaran Endowment Lectureship-	Realism in International Relations	12.02.2007
3	Dr. S. Bhaskaran Endowment Lectureship - Dr. V. K. Badmanapan, Professor, Centre for South & South East Asian Studies, Madras University, Chennai-	Realism in International Relations , Post Realism in International Relations-	12.02.2007
4	P.S. Ramamohan Rao Endowment Lectureship -Prof. Dr. C. Gnanaprakasam, Professor and Head. M.K.U, Madurai	Social Harmony And Grama Sabha	28.02.2007
5	Dr. V.K. Padmanaban, Director, Centre for South and South East Asian Studies, University of Madras, Madras	Realism in International Relations	21-02-2007.
6	Dr. P. Radhakrishnan, MIDS, Chennai	Academic Freedom from a Human Rights Perspective- The Indian Case	21-2-2007
7	Thiru. R. Veeramani Endowment Lectureship- Dr. V. K. Badmanapan, Professor, Centre for South & South East Asian Studies, Madras Univesity, Chennai	Contemporary Political Theory I &II-	03.03.2008
8	Thiru. K. R. Malkani Endowment Lectureship	The Role of Regional Parties in Indian Politics	23.07.2008
9	Thiru. R. Sathianathaier Endowment Lectureship- Dr. Muralidharan, Director of Humanities, IIT, Chennai-	Social Harmoni & Gramasabha- I & II -	15.03.2008
10	Thiru. Sathiyamurthy Endowment Lectureship -Prof. P.B. Gobalakrishnan, Professor and Head, Department of Modern History, School of Historical Studies, Madurai Kamaraj University, Madurai	Genesis and Growth of National Movement in Tamil Nadu	04.02.2009

S. No.	Seminar/Workshop/Special Lecture /Symposium etc.,	Title	Year
11	Dr. A. Shanmugam Endowment Lectureship- Thiru. Somavalliyappan, Vice President	Group Human Resource, Chennai	11.03.2009
12	Thiru. R. Veeramani Endowment Lectureship Scheme for the Year 2009-2010-Dr. D. Sambandam ,Dean , School of Social Science , Pondicherry University, Pondicherry-	GLOBAL ECONOMIC CRISIS-	21.12.2009
13	His Excellency Thiru.P.S.Ramamohan Rao Endowment Lectureship Scheme for the Year 2009-2010-Dr. G.Srinivasa Varma, Professor of Linguistics (Retd.), Annamalai University, Annamalainagar-	Language and Politics -	28.01.2010.
14	Dr. A. Shanmugam Endowment Lectureship- Dr.S.N. Sangeetha, Professor, Centre for Political Institutions, Governance and Development, Institute for Social and Economic Change, Bangalore-	Governance and Development : State, Civil Society and Market Perspectives-	10.02.2011
15	Freedom Fighter Thiru Sathiamurthy Endowment Lectureship Scheme for the Year 2010-2011Dr.J.Prabash, Pro-Vice Chancellor, Kerala University, Thiruvananthapuram-	Globalization, State and Market: Challenges of Development and Democracy in India-	21.10.2010
16	Dr.S.Bhaskaran Endowment Lectureship Scheme for the Year 2010-2011Dr.A. Prasanna Kumar (Former Rector& Retd. Professor of Andhra University) Director, Centre for Policy Studies, Visakhapatnam-	(i) Evolution of International System. (ii) Challenges in the 21 <sup>st</sup> Century-	18.03.2011.
17	Freedom Fighter Thiru Sathiamurthy Endowment Lecture - Dr. Muzaffar H Assadi, Professor of Political Science, University of Mysore	India's Agrarian Crisis and Farmer's Suicide: Implications for India -	10 <sup>th</sup> January, 2012.
18	R.Sathianathier Endowment Lecture Scheme - Dr. Bhaskaran, Former Prof. and Head, Dept. of Political Science, Annamalai University, Annamalainagar	Democracy and Electoral Reforms'	02-02-2012
19	His Excellency Thiru. P.S. Rammohan Rao Endowment Lectureship- Dr. N. Swaminathan, Former Prof. and Head, Dept. of Political Science, Annmalai University.	Issues Relating to the Reach of Reasoning in Human Efforts	03-04-2012
20	Thiru. R. Veeramani Endowment Lectureship - Dr. Bhaskaran, Former Prof. and Head, Dept. of Political Science, Annamalai University, Annamalainagar	Indian State Revisited -	11-04-2012

#### 45. List the teaching methods adopted by the faculty for different programmes.

- Participatory Learning Techniques
- Assignments to students
- Periodical internal assessment test
- Using Power Point presentation in the classroom
- Weekly students' Seminars
- Conducting Special Coaching classes for the slow runners.

#### 46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Assessment is done through Internal Tests, Seminars and Assignments

#### 47. Highlight the participation of students and faculty in extension activities. Nil

#### 48. Give details of "beyond syllabus scholarly activities" of the department. -

1. Organises Quiz Competitions for the students.
2. organizes Students' weekly seminar
3. Encouraged and trains the students to various competitions organized by our University and other institutions.



**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. - Nil**

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

The research activity of the department has contributed to generation of new knowledge in the following areas of inquiry: Human Rights; Social Exclusion; Tribal Welfare in India; National Integration

**51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

#### Strength

- Committed teaching faculty in the department.
- Department with diversify students (Local, other States and students from overseas).
- A well stocked department Library with more than 6000 books and various research journals.
- Department has conducted various academic activities such as organizing conferences, seminars, workshops, Youth Parliament and Extension activities.
- Thorough revision of syllabi for all Programmes in accordance with UPSC/SLE/TNPSC/

#### Weakness

- Lack of enrollment
- Lack of employment opportunities

#### Opportunities

- Attracting more International Students
- Potential for obtaining more research projects and offering consultancy
- Obtaining Center of Excellence status
- Initiating international collaboration
- Promoting Interdisciplinary Research

#### Challenges

- Improving the enrollment
- Enhancing the Employment opportunity
- Developing communication Skill (English) among Students

**52. Future plans of the department.**

- To get SAP - DRS-I status from the UGC
- To create various centers such as:
  - Center for Human Rights Studies
  - Center for Panchayat Raj Studies
  - Center for Gandhian Studies.
  - Centre for Police Studies.

## DEPARTMENT OF ECONOMICS

1. **Name of the Department:-** Economics
2. **Year of establishment:-** 1929
3. **Is the Department part of a School/ Faculty of the university –** YES Faculty of Arts
4. **Names of Programmes / Courses offered UG PG M.Phil. Ph.D.**

Integrated Masters; Integrated Ph.D. etc.

M.A. Economics 1931	M.A. Applied Economics 1981
M.A. Development Studies 1982	M.A. Economics – Five Year Integrated 2002
M.B.A. Environmental Management 2007	Ph.D 1940
M.Phil 1978	

### 5. Interdisciplinary courses and departments involved

Degree	Department	Courses
MBA. (Environmental Management)	Botany	MEMC-101 Principles of Environmental Science
	Engineering	MEMC-104 Computer Applications
	Business Administration	MEMC-107 Corporate Strategy
	English	MEMC-108 Business Communication
MBA. (Environmental Management)	Commerce	MEMC-204 Cost and Managerial Accounting
	Engineering	MEMC-207 Technologies for Environmental Management
MBA. (Environmental Management)	Commerce	MEMC-301 Environmental Accounting
	Engineering	MEMC-303 Operations Management
	Commerce	MEMC-307 Environmental Law and Ethics
MBA. (Environmental Management)	Business Administration	MEMC-401 Organization Behaviour
	Earth Science	MEMC-403 Disaster Management
M.A. Development Studies	Political Science	DESC-102 Political Institutions and Development
		DESC-204 -1 Development Administration
M.A. Economics (Integrated)	Commerce	IAET-33 Principles of Commerce
	Engineering	ICOC-34 Computer and its Applications
M.A.Eco. (Integrated)	Engineering	ICEC-44 Civics / Environmental/ Health Science

6. **Courses in collaboration with other universities industries foreign institutions etc.** Nil

7. **Details of programmes / courses discontinued if any with reasons:** Nil

### 8. Annual/ Semester/Choice Based Credit System

- Semester System for all Programmes
- Choice Based Credit System for M.A. Economics, M.A. Applied Economics, M.A. Development Studies, M.B.A. Environmental Management and M.Phil. Programmes

### 9. Participation of the department in the courses offered by other departments

#### Ancillary courses offered by other Departments

Degree	Department	Courses
M.Com	Commerce	Business Economics
M.A.	History	Principles of Economics
B.E.	Mechanical / Manufacturing / Civil / Civil & Structural Engg.	Industrial Management
M.A.	Centre for Rural Management	Principles of Economics, Development Economics & Rural Resource Management

## 10. Number of teaching posts sanctioned and filled Professors/Associate Professors/Asst. Professors

Teaching Post	Sanctioned *	Actual **
Professor	01	8
Associate Professor	04	1
Assistant Professor	09	32

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Includes the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

## 11. Faculty profile with name qualification designation and specialisation D.Sc./D.Litt./ Ph.D./M.Phil. etc.

Name	Quali- fication	Designation	Specialisation	No. of Years of Experience	No. of Ph.D. students guided for the last 5 years Completed	
Dr.N.Ramagopal From 2013 May	Ph.D	Professor & Head	Economic Philosophy/ Environmental Economics	25	4	-
Dr.G.Ravi	Ph.D	Professor	Fiscal Economics/ Regional Economics	24	6	5
Dr.T.R.Jeyaraaj	Ph.D	Professor	Development Economics/ Health Economics	21	4	3
Dr.E.Selvarajan	Ph.D	Professor	Rural Development/ Environmental Economics	20	2	1
Dr.B.Mathavan	Ph.D	Professor	Econometrics, International Economics, Data Analysis	20	-	2
Dr.I.Ravi	Ph.D	Professor	Development Economics	21	-	1
Dr.V.Ramamurthy	Ph.D	Professor	Agricultural Economics	19	4	-
Dr.R.Sivakumaresan	Ph.D	Professor	Fiscal Economics	16	5	-
Dr.R.Jawahar	Ph.D	Associate Prof.	Development Economics	21	-	2
Dr.T.Sudha	Ph.D	Asst. Professor	Women Studies/ Human Resource Development	13	1	4
Dr.K.Ramu	Ph.D	Asst. Professor	Health Economics	12	2	3
Dr.G.Natarajan	Ph.D	Asst. Professor	Urban Economics	12	-	2
Dr.P.Veerachamy	Ph.D	Asst. Professor	Rural Banking	11	2	4
Dr.G.Senthil Kumar	Ph.D	Asst. Professor	International Economics	11	-	1
Dr.A.Antony Joseph	Ph.D	Asst. Professor	Health Economics	11	-	2
Dr.D.Murugan	Ph.D	Asst. Professor	Agricultural Economics	11	-	3
Dr.A.PradhipBabu	Ph.D	Asst. Professor	Economics of Education	11	-	1
Dr.M.Rajeswari (on deputation to Centre for Rural Development)	Ph.D	Asst. Professor	Rural Development, Issues of Women	10	-	3
Dr.N.Rajagopal	Ph.D	Asst. Professor	Agricultural Economics	8	-	1
Dr.C.Ramesh	Ph.D	Asst. Professor	Agricultural Economics	8	-	1
Ms. S. Manonmani	M. Phil.	Asst. Professor	Agricultural Economics/ Mathematical Economics	8	-	-
Dr. S. Thamilarasan	Ph.D	Asst. Professor	Health Economics	8	-	1

Name	Qualification	Designation	Specialisation	No. of Years of Experience	No. of Ph.D. students guided for the last 5 years Completed	
Mr. S. Venkatesan	Ph.D	Asst. Professor	Rural Development	8	-	-
Dr. T. Saravanakumar	Ph.D	Asst. Professor	Women Studies	8	-	2
Mr. G. Kumar	M. Phil.	Asst. Professor	Health Economics	7	-	-
Dr. V. Selvam	Ph.D	Asst. Professor	Environmental Economics	7	-	1
Dr. C. Subburaman	Ph.D	Asst. Professor	Health Economics	7	-	2
Mr. E.P. Vijayakumar	M.Phil	Asst. Professor	Agricultural Economics	7	-	-
Dr. D. Selvasundari	Ph.D	Asst. Professor	Environmental Economics	7	-	1
Dr. S. Indradevi	Ph.D	Asst. Professor	Women Studies, Economics of Education	7	-	1
Dr. A. Anbuvel	Ph.D	Asst. Professor	Agricultural Economics	7	-	1
Ms. S. Shanthi (on deputation to Centre for Rural Development)	M.Phil	Asst. Professor	Rural Development	7	-	-
Dr. M. Senthilkumar	Ph.D	Asst. Professor	Industrial Economics	7	-	-
Dr. R. Saravanan	Ph.D	Asst. Professor	Health Economics	7	-	1
Ms. R. Shanthi	M.Phil	Asst. Professor	Development Economics	7	-	-
Dr. K. Venkatesan	Ph.D	Asst. Professor	Monetary Economics	7	-	1
Dr. K. Damodaran	Ph.D	Asst. Professor	Environmental Economics	7	-	1
Dr. A. Jayakodi	Ph.D	Asst. Professor	Health Economics	7	-	1
Dr.P.Zearamane	Ph.D	Asst. Professor	Agricultural Economics	7	-	1
Dr. R. Hariharan (on deputation to Centre for Rural Development)	Ph.D	Asst. Professor	Health Economics	6	-	1
Dr.R.BabyBowna	Ph.D	Asst. Professor	Rural Development	6	-	-

**12. List of senior Visiting Fellows faculty adjunct faculty emeritus professors:** Nil

**13. Percentage of classes taken by temporary faculty - programme-wise information:** Nil

**14. Programme-wise Student Teacher Ratio:**

S.No	Programme	Ratio
1.	M.A. Economics, Applied Eco, MBA Env't. Mgt, Development Studies and Five year Integrated M.A. Economics (172 Students)	1:4.2
2.	M.Phil (33 Students)	1:1
3.	Ph.D (52 Students)	1:1.5

**15. Number of academic support staff technical and administrative staff**

Support technical and Administrative staff	Actual
Technical Staff	04
Administrative Staff	09

**16. Research thrust areas recognized by funding agencies**

(i) Environmental Management - UGC-SAP; (ii) Women Studies- UGC-SAP; (iii) Health Economics- UGC; (iv) Poverty Studies- UGC

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Name of the agency		Amount	Title of the Project, Name of the Investigator(s)
National	International		
UGC New Delhi	-	5.54	Property Rights and Collective action in TN Dr. E. Selvarajan , Dr. R. Elango (2006-09)
UNDP & State Planning Commission- Govt. of TN	-	1.60	Preparation of DHDR Cuddalore. Dr. R. Elango , Dr. E. Selvarajan , Dr. G. Ravi , Dr. K. Ramu , Dr. D. Janakiraman (2009)
UNDP & State Planning Commission - Govt. of TN	-	3.60	Preparation of DHDR Nagapattinami District Dr.E.Selvarajan , Dr. K.Ramu (2009-10)
UNDP & State Planning Commission - Govt. of TN	-	3.95	Preparation of DHDR Cuddalore. Dr.E. Selvarajan , Dr. K. Ramu 2009-10
UGC New Delhi	-	6.49	An Estimation of Willingness to Pay for Secondary Health Care Services in TN., Dr. K. Ramu 2009-11 , Dr.E.Selvarajan
State Planning Commission - Govt. of TN & DMA Chennai	-	4.61	Human Development Report for Tiruchirappalli City Dr.N.Malathi 2010-11, Dr.T.R.Jeyaraaj, Dr.D.Namasivayam, Ms.S.Manonmani, Mr.R.Hariharan
State Planning Commission - Govt. of TN & DMA Chennai	-	4.71	Human Development Report for Tirunelveli City Dr.N.Malathi 2010-11, Dr.T.R.Jeyaraaj, Dr.R.Sivakumaresan, Dr.K.Damodaran, Ms.S.Indradevi
MHRD- New Delhi	-	7.00	E_Content Development in Economics Dr.T.Sudha 2011-12, Dr.N.Malathi, Dr.T.S.Kalyani
UGC-SAP-DRS-I	-	40.00	1. Environmental Management from an Interdisciplinary Perspective. 2. Alternative Livelihood Strategies and Empowerment of Dalit Women and Policy Suggestions. (2011-16), Dr.E.Selvarajan (Co-ordinator) Dr.N.Ramagopal (Deputy Co-ordinator)
MEA Trust , Chennai	-	1.25	Willingness to pay Rural Health Insurance in Cuddalore District (2012-2013), Dr. K. Ramu
ICSSR	-	6.49	Economics of Organic farming and inorganic farming: A Comparative Resource use efficiency analysis in Tamil Nadu. (2013-2015), Dr.D.Murugan, Dr.R.Asokan (DDE)
ICSSR	-	8.00	Production and marketing of paddy:A Study on Cuddalore District,Tamil Nadu. (2014-2016), Dr.C.Ramesh
UGC	-	1.39	Nutritional Status Comparison of Rural and Urban Pre- School Children in Sivaganga District, Tamil Nadu. (2013-2015), Dr.C.Subburaman
State Planning Commission, Govt. of Tamil Nadu.	-	2.99	Preparation of Cuddalore District Human Development Report (2013-2014), Dr.E.Selvarajan and K.Ramu
State Planning Commission, Govt. of Tamil Nadu.	-	2.99	Preparation of Thanjavur District Human Development Report (2013-2014) Dr.E.Selvarajan and Dr. I.Ravi
State Planning Commission, Govt. of Tamil Nadu.	-	2.99	Preparation of Nagapattinam District Human Development Report(2013-2014) Dr.E.Selvarajan and Dr.G.Senthilkumar
State Planning Commission, Govt. of Tamil Nadu.	-	1.98	Preparation of Perspective Plan under SBGF for Cuddalore District (2013-2014) Dr.E.Selvarajan
State Planning Commission, Govt. of TN.	-	1.98	Preparation of Perspective Plan under SBGF for Nagapattinam District (2013-2014), Dr. E.Selvarajan

## 18. Inter-institutional collaborative projects and grants received

- All India collaboration b) International :Nil

## 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS DPE; DBT ICSSR etc.; total grants received.

The Department has been sanctioned **Rs. 40 lakhs for UGC-SAP-DRS-1** programme for the following themes.

1. Environmental Management from an Interdisciplinary Perspective.
2. Alternative Livelihood Strategies and Empowerment of Dalit Women and Policy Suggestions.

## 20. Research facility / centre with state recognition national recognition international recognition:- Nil

## 21. Special research laboratories sponsored by / created by industry or corporate bodies:- Nil

## 22. Publications: - List Appended in Annexure - I

S.No.	Publications	Number
1.	Number of papers published in peer reviewed journals national / international	127
2.	Monographs	1
3.	Chapters in Books:1	27
4.	Edited Books	-
5.	Books with ISBN with details of publishers	11

Number listed in International Database For *e.g.* Web of Science Scopus Humanities International Complete Dare Database - International Social Sciences Directory EBSCO host etc.

## 23. Details of patents and income generated:- Nil

## 24. Areas of consultancy and income generated:- Nil

## 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:- Nil

## 26. Faculty serving in National committees / International committees / Editorial Boards / any other please specify Last five Years

Faculty	National committees / Board of studies/ Editorial Board
Dr.N.Malathi (Rtd)	Board of studies in Economics Bharadhidasan University
Dr.N.Ramagopal	Board of studies in Economics Sacred Heart College Tirupatur and Thiruvalluvar University, Lady Doak College, Madurai, Member, Academic Council, MIDS Chennai
Dr.G.Ravi	Board of studies in Economics AVCMayiladuthurai, St.Joseph College Cuddalore. Board of Studies in Economics, Jamal Mohamed College, Trichy
Dr.T.R.Jeyaraaj	Member Editorial Board Journal of Social & Economic Development
Dr.E.Selvarajan	Expert member-Village Panchayats in the state of Tamil Nadu Member in the working group and steering committee on RD Board of studies in Economics Periyar University Salem
Dr.I.Ravi	Member in Editorial Board: Acted As sub Editor of Journal, Annamalai Economic Papers, published annually. Vol. No.5, Year: 2008-09; ISSN NO.0975-7279
Dr.R.Sivakumaresan	Board of studies in Economics AVCMayiladuthurai, Thiruvalluvar University Chairman Question Paper scrutinize committee (PG)
Dr.T.Sudha	Member in Board of Studies, Sri Saradha College for Women, Salem
Dr.D.Murugan	Member, Editorial Board, Journal of Economics Affairs. New Delhi Publishing Company
Dr.A.PradhipBabu	Member in Board of Studies, Erode Arts college, Erode

## 27. Faculty recharging strategies

The teachers of the Department have been actively involved as Participants and Resource persons of Refresher Course, Orientation Programme and FDPs

## 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects: 100%
- percentage of students doing projects in collaboration with other universities / industry / institute :- Nil

## 29. Awards / recognitions received at the national and international level in Last five Years

Year	Names of Prestigious Awards received by the Faculty	Name
2007-08	Best Teacher-Annamalai University	Dr.N.Malathi
2008-09	Best NSS Co-ordinator-Tamilnadu	Dr.T.R.Jeyaraaj
2009-10	Best Researcher -Annamalai University	Dr.E.Selvarajan
2010-11	Dr.Ambedkar National fellowship award	Dr.S.Thamilarasan
2011-12	Best Researcher -Annamalai University	Dr. G.Ravi
2011-12	K.R.Narayanan State Conference Award	Dr.S.Thamilarasan
2012	Shiksha Rattan Puraskar Award New Delhi	Dr.C.Subburaman
2012	Best citizen of India Award New Delhi	Dr.C.Subburaman
2012	Glory of India Gold Medal Award New Delhi	Dr.C.Subburaman
2012	Best Paper and Best Presentation Award Association of Economist Tamilnadu	Dr.C.Subburaman

## 30. Seminars/ Conferences/Workshops organized and the source of funding national / international with details of outstanding participants if any.Last five Years:National - 14 International - Nil

- A unique contribution of the Department of Economics to the intellectual life of the University is **Research Methodology Workshop** organized annually by the Faculty since **1990** under the auspices of **Prof.K.S.Sonachalam** Endowment. This programme has now become highly inter-disciplinary Research students participating from the faculties of Arts Science Education Engineering and Medicine and it is sponsored by Annamalai University Research scholars from other institutions are also benefited from this Workshop.

### Research Methodology Workshops During 2007-2012

No.	Coordinators	Year	Beneficiaries
XVIII.	Dr. N. Malathi & Dr. T.R. Jeyaraaj	2008	618
XIX.	Dr. N. Malathi, Dr. N. Ramagopal & Dr. T. Sudha	2009	274
XX.	Dr. N. Malathi, Dr. E. Selvarajan & Dr. I. Ravi	2010	367
XXI.	Dr.N.MalathiDr.G.Ravi&Dr.R.Sivakumaresan	2011	282
XXII.	Dr.N.Ramagopal&Dr.B.Mathavan	2012	293

- Department of Economics is co-ordinating the Research Methodology component of **In-Service Training Programme** for University Lecturers in the Faculties of Arts Science Education Indian Languages Fine Arts Engineering Agriculture and Medicine.
- Annual **Seminars** on **Thrust areas** in Economics and **Endowment Lectures** are conducted every year.

### Seminars / Workshops During 2007 Jan -2014 Jan

Year	Theme / Title	Funding Agency	Programme Co-ordinators
21-23 Feb . Feb. 2008	Econometrics and Computer Applications for University and College Teachers	UGC	Dr.N.Malathi Dr.B.Mathavan Dr.I.Ravi
16-17 Feb.2009	Global Financial Crisis	UGC	Dr.N.Malathi, Dr.G.Ravi
19 <sup>th</sup> Oct.2009	Contributions of Elinor Ostrom & Oliver. E.Williamson	Annamalai University	Dr.N.Malathi Dr. B.Mathavan
8 <sup>th</sup> Jan. 2010	Contributions of Paul. A. Samuelson	Prof. A.V.R. Endowment	Dr.N.Malathi Dr.G.Ravi Dr.R.Sivakumaresan
13-14 Feb. 2010	Emerging Trends in Macroeconomic Theory and Pedagogy	UGC	Dr.N.Malathi Dr.N.Ramagopal
11-12 Mar.2011	Issues in Corporate Environmental Strategy	UGC	Dr.N.Malathi Dr.N.Ramagopal Dr.M.Rajeswari
9 <sup>th</sup> April 2011	Brain Storming Session	UGC	Dr.K.Ramu Dr.E.Selvarajan
27 <sup>th</sup> Dec.2011	Contributions of the Economist Suresh Tendulkar	Prof. A.V.R. Endowment	Dr.N.Malathi Dr.I.Ravi
15-16 <sup>th</sup> Feb.2012	Brain Storming Seminar for SAP Project	UGC-SAP	Dr.N.Malathi Dr.E.Selvarajan
22-23 Feb. 2012	Ecological Economic Perspective on Sustainable Development	UGC	Dr.N.Malathi Dr.G.Ravi Dr.G.Natarajan Mr.G.Senthilkumar
15-16 <sup>th</sup> Mar 2012	Environmental Accounting for Sustainable Development Mr. Parameswaran, Deputy Director General, CSO, Government of India DR. U. Shankar, Professor Emeritus, MSE, Chennai, DR. Janakaraj, Professor, MIDS	UGC-SAP	Dr.N.Malathi Dr.E.Selvarajan
12-13 <sup>th</sup> July 2012	ICSSR and Ford Foundation sponsored workshop on Altering Rural Landscapes: Structure, Institutions and Households	ICSSR	Dr. N.Ramagopal Dr.B.Mathavan Dr.I.Ravi
20 <sup>th</sup> &21 <sup>st</sup> December 2012	University Sponsored T Two Day National Seminar on "Health and Medical Care Services Claims on National Resources	Annamalai University	Dr.C.Subburaman
Oct 2013	Brain Storming Seminar for UGC SAP Project: Millennium Development Goals	UGC-SAP	Dr.E.Selvarajan Dr.K.Ramu



## Details of outstanding participants

(ICSSR and Ford Foundation sponsored workshop on Altering Rural Landscapes: Structure, Institutions and Households)

S.No.	Name	Institutional Affiliation	From
1.	Prof. Alakh Sharma	Institute of Human Development	New Delhi
2.	Prof. Sukhpal Singh	Indian Institute of Management	Ahmedabad
3.	Prof. Kamal Nayan Kabra	Institute of Social Sciences	Delhi
4.	Prof. AR Vasavi	Independent Scholar	Bangalore
5.	Prof. J. Jeyaranjan	Institute for Development Alternatives	Chennai
6.	Mr. PS Vijay Shankar	SamajPragatiSahyog	Madhya Pradesh
7.	Dr. M. Vijay Baskar	Madras Institute of Development Studies	Chennai
8.	Dr. PV Satheesh	Deccan Development Society	Hyderabad
9.	Dr. Reetika Khera	Indian Institute of Technology	Delhi
10.	Ms. Preeti Sampat	Research Scholar, City University	New York
11.	Dr. Sudha Narayanan	IGIDR	Mumbai
12.	Dr. Rajeswari Raina	NISTADS	New Delhi
13.	Mr. Venkat Ramanujam	Research Scholar, ATREE	Bangalore
14.	Ms. Sabarmatee, Research Scholar	Wageningen University	Netherlands
15.	Mr. Debashish Sen, Research Scholar	Wageningen University	Netherlands
16.	Mr. Sivasubramaniam, Research Scholar	Wageningen University	Netherlands
17.	Prof. Amita Baviskar	Institute of Economic Growth,	New Delhi
18.	Prof. C. Shambu Prasad	XIM	Bhubaneswar
19.	Prof. Wandana Sonalkar,	Dr. Babasaheb Ambedkar, Marathwada University	Aurangabad
20.	Prof. Srijit Mishra	IGIDR	Mumbai
21.	Dr. Ram Manohar Reddy	Editor, Economic and Political Weekly	Mumbai

### 31. Code of ethics for research followed by the departments:

A Research committee comprising of senior faculty members functions to monitor the progress of the research work of both M.Phil., and Ph.D., Scholars. The Committee ensures that there is no redundancy in research topics. The students are advised to refrain from plagiarism and any form of reasearch malpractice. Further, strict confidentiality is maintained with reference to data involving personal information.

### 32. Student profile course-wise:

Name of the Programme	Application received	Selected			Pass percentage	
		Male	Female	Total	Male	Female
I M.A Economics	38	18	10	28	92	93
I M.A. Applied Economics	25	8	11	19	93	92
I M.A. Development Studies	3	-	1	1	93	94
I M.B.A. Environmental Management	12	5	1	6	92	92
I M.A. Integrated Applied Economics	33	18	10	28	85	90
II M.A. Economics	-	19	5	24	95	93
II M.A. Applied Economics	-	5	10	15	94	92
II.M.B.A. Environmental Management	-	-	1	1	98	90
II M.A. Integrated Applied Economics	-	24	13	37	95	96
III M.A Integrated Applied Economics	-	20	13	33	93	95
IV M.A Integrated Applied Economics	-	15	11	26	93	92
V M.A Integrated Applied Economics	-	1	0	1	96	98
<b>Total PG</b>		<b>128</b>	<b>83</b>	<b>211</b>		
M.Phil- Economics	30	11	13	24	98	96
Ph.D- Economics FT	40	23	13	36	98	98
Ph.D- Economics PT	32	23	7	30	98	98
Ph.D- Economics Ext.	12	5	2	7	98	98
<b>TotalResearch</b>		<b>62</b>	<b>35</b>	<b>97</b>		
<b>Grand Total</b>		<b>190</b>	<b>118</b>	<b>308</b>		

### 33. Diversity of students

Name of the Programme	% of Students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
I M.A. Economics	15	65	12	8
I M.A. Applied Economics	8	65	15	12
I M.B.A. Environmental Management	-	70	30	-
I M.A. Integrated Applied Economics	-	10	5	85
<b>Total PG</b>				
M.Phil Economics	80	10	10	-
Ph.D Economics Full Time	60	20	20	-
Ph.D Economics External	60	20	20	-

34. How many students have cleared Civil Services and Defense Services examinations NET SET GATE and other competitive examinations? Give details category-wise: - NET-1/ SET-7, TNPSC-1, TRB-2

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	30
PG to Ph.D.	20
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	20
• Other than campus recruitment	10
Entrepreneurs	05

### 36. Diversity of staff

Percentage of faculty who are graduates	
i. from the same university	62%
ii. from other universities within the State	38%
iii. from universities from other States	Nil
iv. from universities outside the country	Nil

37. Number of faculty who were awarded Ph.D. D.Sc. and D.Litt. during the assessment period :Last five Years - 26 Ph.D.

### 38. Present details of infrastructural facilities with regard to

a. Library: The text and reference books in library is also classified subject wise and kept in different shelves. Apart from this the Department is having a class room library by allocating specific books for particular semester subjects. The student representatives maintain it for respective classes.

S.No.	Category	No. of books
1	Text Books & Reference Books	2654
2	Back volumes	2327
3	Reports	88
<b>Total</b>		<b>5069</b>

**Indian Journals 15**

Economic and Political Weekly;	ICFAI Agricultural Economics;
ICFAI Applied Economics;	IMF Staff Papers;
Indian Development Review;	Indian Economic Journal ;
Indian Journal of Agricultural Economics;	Indian Journal of Human Development;
Indian Journal of labour Review;	
Journal of Social and Economic Development;	
Journal of Gender Studies;	Journal Health Management;
Journal of Rural Development;	Margin;
The Economic Record;	

**International Journals 6**

Economic Development & Cultural Change;	International Labour Review;
South Asian Economic Journal;	The Asian Economic Review;
The Economic Record;	The Journal of Applied Economic Research;

b. Internet facilities for staff and students: - Available in Computer Lab.

c. Total number of class rooms: - 14

d. Class rooms with ICT facility: - 1

e. Students' laboratories: - NA

f. Research laboratories: - Computer Lab

**39. List of doctoral post-doctoral students and Research Associates**

Ongoing Ph.D. from the host university - 66

Ongoing Ph.D. from other universities - 15

**40. Number of post graduate students getting financial assistance from the university.**

In addition to **Government Scholarships** for BC MBC and SC/ST the department has taken efforts to extend **financial help** by awarding scholarships for needy and deserving students in different PG programmes and Research programmes. As **merit recognition** prizes and medals are distributed at the time of Convocation/Founders Day celebrations for rank students.

**41. Was any need assessment exercise undertaken before the development of new programmes? If so highlight the methodology.****42. Does the department obtain feedback from**

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes how does the department utilize the feedback? -

Yes. It Uses Feedback For Updating Curriculum.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. This feedback is used by teachers to strengthen pedagogical practices.

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

No.

#### 43. List the distinguished alumni of the department maximum 10:

Sl.No	Name	Position Held
1	Dr.Aromasam	Professor & Head, Dept of Economics, Tamil University, Thanjavur
2	Dr.Baskardoss K	Regional Manager, Allahabad Bank
3	Dr. S. Johnson Neethirajan	Regional Director, IGNOU, Arunachal Pradesh
4	Dr.Kanakasabhai K	Formerly Advisor to Reserve Bank of India, Presently, Director, EPW Research Foundation, Mumbai
5	Dr.Madhavan S	Professor, Department of Economics, Santiago University, U.S.A
6	Dr.MeenakchiThiyagarajan	Former Deputy Governor RBI
7	Mr.Paneerselvam S	I.A.S
8	Mr.Rajaratnam S.	I.A.S
9	Dr.Sankar U.	Former Professor and Head, Department of Econometrics, University of Madras & First Director Madras School of Economics
10	Dr.SankaraRamalingam	Former Professor and Co-ordinator, School of Economics, Madurai

#### 44. Give details of student enrichment programmes special lectures / workshops / seminar/Endowment Lecture involving external experts.

- Annual Seminars/ special lectures / workshopson **Thrust areas** in Economics and Endowment Lectures are conducted every year.
- Dr. R. Radhakrishna, Chairman, National Statistical Commission, New Delhi. Lectured on Indian Economy.

#### Endowment Lectures

#	Endowment	Title
1.	Dr. A. Ramasamy	Rural Development
2.	Prof.K.S. Sonachalam	Research Methodology Workshop
3.	Dr.A.V. Rangachari	Development Economics
4.	Dr.R.Elango	Research Methodology/IED

#### 45. List the teaching methods adopted by the faculty for different programmes.

- Faculty uses LCD projector in the Class room
- Students uses interactive learning materials in the Computer lab

#### 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- In the curriculum of M.A. Economics M.A. Applied Economics Programmes and Five Year Integrated M.A. Programme in Applied Economics changes have been made from time to time reallocating priorities based on need assessment on U.G.C guidelines policies of HRD and TANSCHÉ plus information data bases from the faculty of the University and other Universities; subsequently formalizing the decisions in the meetings of the **Board of Studies** and the **Academic Council** suggestions made by the experts and alumni are all taken into account.
- In 2002**Five Year Integrated** M.A. Applied Economics programme was started to cater to the needs of the students in and around Chidambaram. For this new programme **new courses** are included in the syllabi as **subject of specialization** to make the students familiar with the knowledge of the newly growing subjects in Economics viz. Environmental Economics Business Economics Information Economics Health Economics and Gender Studies.
- In addition to this the Integrated M.A programme cater to the needs of the students with the inclusion of value added courses like **Computer and its Applications** and a course in **Social Citizenship** comprising Civics Environment and Health Science. Five year

Integrated Commerce History Tourism and Engineering students are taught the following **ancillary** Economics papers;

- A core paper on '**Soft skill Development**' for 2 credits is introduced to M.A. programme with effect from 2009- 2010 to develop their writing and communication skills in English.
- At the research level for **M.Phil.**Scholars besides Research Methodology and Field of Specialization the paper on **Modern Economic Theory for Research** is included in their syllabi since 2007.
- Learning outcomes are monitored constantly by continuous assessment of students through written tests assignments and seminars.

#### **47. Highlight the participation of students and faculty in extension activities.**

- Students were involved in Coastal Cleaning Programme on 19/09/2009 and also create awareness among public. (From Annamalai Nagar to Pondicherry Mr.G.Natarajan Lecturer SS in Economics co-ordinated)

#### **48. Give details of beyond syllabus scholarly activities of the department.**

- The impressive track record of the Department as an institution of teaching and research signifies with a number of publications like Books 10 Seminar volumes 20 Annamalai Economic Papers 7 Spectrum 2 Centre for Policy Research Papers 15 Research Methodology Workshop- Book materials 22 and UGC Refresher Course Book Materials 4.
- In addition to this the Department is promoting research activities by organizing National level Seminars and Conferences 33 as well as Inter-disciplinary Symposia and Colloquia 28. Faculty members have attended and presented papers in national 225 and international Conferences 20.

#### **49. State whether the programme/ department is accredited/ graded by other agencies? If yes give details. :- No**

#### **50. Briefly highlight the contributions of the department in generating new knowledge basic or applied.**

The research activity of the department has contributed to generation of new knowledge in the following areas of inquiry:

##### **Contributions to Applied Knowledge**

The department has a Data Observatory with a large body of data on Cuddalore district available for policy formulation	Tribal livelihood strategies and tribal land alienation
Social exclusion	Money and prices
Public expenditure in India	Poverty
Non-farm employment	Drought and famine
Industrial location	Risk in agricultural sector
Health care financing with reference to user fees and health insurance	Economic burden of diseases
Economics of reproductive health problems	Environmental valuation
Industrial economics	Link between education property rights employment and empowerment of rural women
Time allocation of women in rural households	Resource allocation by women in rural households
Economic consequences of aging population	Women's work in informal sector
Efficiency of resource use in agriculture	Rural women and food security
Functioning of microenterprises and self-help groups	Women in ICT
India's Trade in services	Crisis in Balance of payments

### Contributions to Basic Knowledge

- Design of development indicators
- Application of philosophy of science literature to economic thought

### 51. Detail any five Strengths Weaknesses Opportunities and Challenges SWOC of the department.

#### Strength

- Commitment to teaching
- Updated curriculum
- Intellectual diversity
- Research culture
- Library collection and ICT Infrastructure

#### Weakness

- Location of the Institution
- Need to obtain more Research Funds
- Building not friendly for differently abled students
- Inadequate relationship with alumni
- Space for class room and Library

#### Opportunities

- Attracting more International Students
- Potential for obtaining more research projects and offering consultancy
- Obtaining Center of Excellence status
- Initiating international collaboration
- Promoting Interdisciplinary Research

#### Challenge

- Increasing the diversity of student population
- Enhancing employability of students
- Initiating Industry linkage
- attracting more donors to make endowments more effective
- Meeting competition from neighboring colleges with PG & Research programmes.

### 52. Future plans of the department.

- We plan to place emphasis on financial economics with students working as interns in different financial institutions.
- We propose to reach out to the visually disabled through lesson plan in Braille and computer based lessons.
- **Collaborations with other department and institutions** -Russian team headed by the Vice Chancellor of Penza State Pedagogical University visited the Annamalai University during July 2011. The following faculty have agreed to work with the faculty of Economics of Annamalai University Tamil nadu.
  1. **Dr. Sergei M. Vasin**, Vice President of Scientific Affairs  
Professor and Head of the Department of Management and Economic Theories  
Penza State Pedagogical University named after V.G. Belinsky  
37 Lermontov Street Penza 440026 Russia.
  2. **Dr. K. Ksenofontova**, Associate Professor,  
Department of Management and Economic Theories, Penza State Pedagogical University named after V.G. Belinsky  
37 Lermontov Street Penza 440026, Russia.

Working in the areas of:

- i. Poverty alleviation Employment Generation and livelihood Strategies
- ii. Environmental Economics and Environmental management
- iii. Lessons learned on Planning and development Experience in India and Russia

## DEPARTMENT OF SOCIOLOGY

**1. Name of the Department :** - Department of Sociology

**2. Year of establishment :** - 1954

**3. Is the Department part of a School/Faculty of the university?-** Yes Faculty of Arts

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

S. No.	Programmes	Year
1.	M. A. Sociology (CBCS)	1957
2.	M.A. Sociology (Integrated)	2002
3.	M.S.W (CBCS)	2008
4.	M.Phil.	1981
5.	Ph.D. [Regular, Part-Time, External]	1970

**5. Interdisciplinary courses and departments involved:**

Introduction to Sociology;	Rural Community Development;
Sociology of Mass Communication;	Medical Sociology;
Social Problems and Social Welfare;	Sociology of Tourism;
Industrial Relations & Labour Welfare;	Crime and Society

**6. Courses in collaboration with other universities, industries, foreign institutions, etc. - Nil**

**7. Details of programmes / courses discontinued, if any, with reasons - Nil**

**8. Annual/ Semester/Choice Based Credit System**

- M.A Sociology (5 Year Integrated) Semester System
- M.A. Sociology, M.S.W. (CBCS - 2 Year) Choice Based Credit System

**9. Participation of the department in the courses offered by other departments**

Degree	Department Name	Course
M.A.	History	Elements of Sociology
M.A.	Rural Development	Rural Sociology
M.A.	Population Studies	Population Sociology
B.Sc.,	Nursing	Sociology
BPT	Physiotherapeutic	General and Medical Sociology

- Students are attending Elective Classes at other departments.
- Students are free to study add on courses through Distance Education, Annamalai University with concessional fees structure.

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

Teaching Post	Sanctioned *	Actual **
Professor	01	07
Associate Professors	01	-
Asst. Professors	06	08

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Includes the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

### 11. Faculty profile with name, qualification, designation and specialization (D.Sc./ D.Litt/ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr.J.Krishnamurthy	M.A., M.Phil., Ph.D.	Professor & Head	Sociology of Development, Health and Environment, Rural Development	28	2
Dr. S. Saraswathy	M.A. M.Phil, Ph.D.	Professor (Retired on 31/03/2014)	Sociology of Modernization, Gender Studies, Sociology of Health	34	4
Dr. D. Selvarajau	M.A., M.Phil., D.L.L., Ph.D.	Professor	Sociology of Health and Environment Social Problems and Social Welfare Sociology of Rural Development Development of Weaker Sections Social Gerontology Social Demography	32	5
Dr.R.Rajendran	M.A.,M.Phil., Ph.D.	Professor & Dean	Urban Sociology	32	1
Dr.S.Ansiya Begum	M.A.,M.Phil., Ph.D.	Professor	Women Studies	14	1
Dr.R.Lakshmi	M.A., M.A., M.Phil.,Ph.D.	Professor	Urban Sociology	14	1
Dr.C.Lingaganesan	M.A., M.A., M.Phil.,Ph.D.	Professor	Communication Development Environmental sociology	13	1
Dr.B.Manickavasagam	M.A., M.Phil.,Ph.D.	Assistant Professor	Medical Sociology Sociology of Environment Sociology of Development Social Problems	11	2
Dr. K. Suriyan	M.A., M.A., Ph.D.	Assistant Professor	Social Case Work	10	3
Mr.S.Natesan	M.A., M.Phil.,	Assistant Professor	Sociology of Development and Modernization, Social Case Work	07	-
Mr.S.Subramani	M.A., M.Phil.,	Assistant Professor	Environmental Sociology	06	-
Mr.S.Karthikeyan	M.A., M.Phil.,	Assistant Professor	Medical Sociology Sociology of Mass Communication Environmental Sociology Community Organization	06	-
Dr.P.Ganesan	M.A.,M.Phil., Ph.D.	Assistant Professor	Medical Sociology Political Sociology	06	-
Dr.P. Mariappan	M.A., M.Phil., Ph.D.	Assistant Professor	Rural Sociology Social Problem Research Methodology	06	-
Mr.S.D.Dinesh kumar	M.A., M.Phil.,	Assistant Professor	Environmental Sociology Development Sociology Research methodology	06	-



**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors - Nil**

**13. Percentage of classes taken by temporary faculty – programme-wise information - Nil**

**14. Programme-wise Student Teacher Ratio**

S.No.	Programmes	Students: Teacher Ratio
1.	M. A. Sociology (CBCS)	1:1
2.	M.A. Sociology (Integrated)	2:1
3.	M.S.W (CBCS)	3:1
4.	M.Phil.	1:1
5.	Ph.D. [Regular, Part-Time, External]	1:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

Staff	Actual
Technical Staff	01
Administrative Staff	05

**16. Research thrust areas recognized by funding agencies**

Rural Development; Medical Sociology; Urban Studies;  
Social Exclusion/Inclusion; Community Studies.

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Name of the Agency		Amount	Title of the Project, Name of the Investigator(s)
National	International		
UGC	-	Rs. 31.50 Lakhs	<b>Ongoing:</b> UGC-SAP- DRS-I Entitled “Problems and Prospects of Socially Excluded in Cuddalore District”, period of five years from 01-04-2009 to 31-03-2014 Investigator: Dr. D. Selvaraju,
UGC	-	Rs. 3,65,600/-	<b>Completed:</b> UGC - Major Research Project Entitled “Plight of rural sex workers in Tamilnadu”, period of two years (01-05-2009 to 30-04-2011) Investigator: Dr. K. Suriyan

**18. Inter-institutional collaborative projects and grants received**

a) All India collaboration b) International - NIL

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.**

The department of Sociology, Annamalai University has been identified by the UGC for support at the level of DRS – I under the Special Assistance Programme (SAP) at a total cost of Rs.31.50 Lakhs for a period of five years from 01-04-2009 to 31-03-2014.

**20. Research facility / centre with**

- state recognition
- national recognition
- international recognition

**21. Special research laboratories sponsored by / created by industry or corporate bodies - Nil**

## 22. Publications: (for details please refer Sociology Appendix EVR 5.4.2014)

- Number of papers published in peer reviewed journals (national / international) - National :71;International: 18 (Annexure - I)
- Monographs - 2
- Book Authored - 3
- Chapters in Books - 11
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, EBSCO host, etc.)
- Citation Index - range / average
- SNIP
- SJR
- Impact Factor - range / average
- h-index

## 23. Details of patents and income generated - Nil

## 24. Areas of consultancy and income generated - Nil

## 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad - Nil

## 26. Faculty serving in

### a) National committees

- Dr. D. Selvaraju – Subject experts UGC/SET
- Dr. R. Rajendran – Subject experts UGC/SET
- Dr. J. Krishnamurthy – Subject experts UGC/SET

### b) International committees - Nil

### c) Editorial Boards - Dr. J. Krishnamurthy

### d) Any Other (please specify)- Nil

## 27. Faculty recharging strategies

Faculty members are permitted to attend UGC Sponsored Refresher and Orientation Courses. Periodically faculty development programmes were also organized by the university. Throughout the academic year they are encouraged to publish their research work at journals along with the participation, conferences to enrich their knowledge.

## 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects – 80%, Final Semester Students Projects
- percentage of students doing projects in collaboration with other universities / industry / institute - Nil

## 29. Awards / recognitions received at the national and international level by

- Faculty- Dr. J. Krishnamurthy, Professor of Sociology, Annamalai University got selected as UGC visiting professor and visited Corvinus University, Budapest, Hungary for one month during September 25, 2013 to October 24, 2013.
- Doctoral / post doctoral fellows - Nil
- Students - Two M.Phil. and Two Ph.D. Students of our department awarded Rajiv Gandhi National Fellowship (RGNF) to pursue their research degree.

### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S.No.	Title of the Seminar	Funding Agency	Programme Co-Ordinators	Year
1.	Corruption and Society	UGC	Dr. D. Selvaraju	26, 27 MARCH 2008
2.	Caste System in India	UGC	Dr. D. Selvaraju	19,20 MARCH 2010
3.	Inequalities in Indian Society	UGC	Dr. D. Selvaraju	30, 31 MARCH 2011
4.	Exclusion of Sex Workers and Inclusive Framework in India, Director of the Seminar	UGC	Dr. K. Suriyan	2011
5.	Social Exclusion and Inclusion: Issues and Challenges	UGC	Dr. D. Selvaraju	26, 27 MARCH, 2012
6.	Ageing and Social Exclusion	UGC	Dr. D. Selvaraju	27, 28 MARCH, 2013

### 31. Code of ethics for research followed by the departments

Sociologists subscribe to the general tenets of science and scholarship. To fulfill the disciplines commitment to the free and open access to knowledge and service a code of ethics is observed. It attempts to meet the expressed needs of sociologists who have asked for guidance to proceed in a variety of situations involving relations with respondents, students, colleagues, employers, clients and authorities. In general the practice of sociology warrants sociologists to maintain objectivity and integrity in the conduct of sociological research, teaching and practice. The various ethical issues-harm and benefit, privacy and confidentiality, informed consent and deception and social control-protect issues relating to public trust with a broader social scope. Such ethical considerations protects truth and secrecy avoids fraud and ensures honesty, good research, teaching and practice of the discipline.

### 32. Student profile course-wise: (2013-2014)

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A. Applied Sociology (5 Year Integrated)	7	4	3	100	100
M.A. Sociology (CBCS)	2	0	2	0	0
M.S.W (CBCS)	7	4	3	80	80
M.Phil	3	2	1	100	100

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M. A. Sociology (CBCS)	-	-	100	-
M.A. Sociology (Integrated)	-	50	50	-
M.S.W (CBCS)	-	50	30	20
M.Phil.	50	50	-	-
Ph.D.[Regular, Part-Time, External]	60	20	20	-

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. - Nil

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	--
PG to M.Phil.	60%
PG to Ph.D.	20%
Ph.D. to Post-Doctoral	--
Employed	
• Campus selection	20%
• Other than campus recruitment	30% to 40%
Entrepreneurs	--

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	70%
from other universities within the State	30%
from universities from other States	NIL
from universities outside the country	NIL

### 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period

12 Faculty members were awarded Ph.D. Since 2007

### 38. Present details of infrastructural facilities with regard to

#### a) Library (As on March 2013)

Books	3417	Foreign journals	12
Textbooks	2917	Peer Reviewed Journals	05
Reference books	500	Back volumes of journals	850
Indian journals	08	Periodicals	2400

#### b) Internet facilities for staff and students

In the department six internet points are available for staff and students.

#### c) Total number of class rooms- 10

#### d) Class rooms with ICT facility

One Portable LCD Projectors with Screen

#### e) Students' laboratories - Nil

#### f) Research laboratories - Nil

### 39. List of doctoral, post-doctoral students and Research Associates

#### a) from the host university - Nil

#### b) from other universities - Nil

### 40. Number of post graduate students getting financial assistance from the university?

University studentship (for Research Scholars) - 3

Vallalar Endowment Scholarship (for P.G. Students) - 2

### 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Nil

#### 42. Does the department obtain feedback from

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The obtained feedback was discussed with the staff council meeting after the consultation, if needed the solution and requirements are discussed with the academic peers and action will be taken for its successful implementation.

b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

The feedback received from the students of the department were scrutinized and carefully analyzed by a committee of staff members headed by a senior member. Its recommendations were then discussed briefly in the staff council meetings form solution / change if needed. Consultations with the academic peers were made on requirement before the implementation of changes.

c) alumni and employers on the programmes offered and how does the department utilize the feedback?

The feedbacks received from the employers and aluminous of the department were discussed briefly in the staff council meetings. On futuristic approach for the betterment of the students solutions were obtained. If needed consultation with the academic peers were made before the implementation of changes.

#### 43. List the distinguished alumni of the department (maximum 10)

Mr. S. Radhakrishnan	Sociologist , DGP Office, Chennai..
Mr. A. Doss	Secretary, Help Age India, Chennai.
Mr. M. Murugesan	Labour Welfare Officer, Tirupur.
Mr. A. Jayakumar	Quality Control Officer, Tirupur.
Dr. D. Sundaram	Member of Backward Welfare Department, Madras University, Chennai.
Ms. S. Suriya Kala	District Social Welfare Officer, Nagapatinam.
Dr. C.M. Tom Manohar	Administrative Officer, Karunaya Institute, Coimbatore.
Dr. M. Balasundaram	Professor and Head, Department of Sociology, S.T. Hindu College, Nagercoil.

#### 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Name & Designation	Seminar/ Workshop/ Special Lectures/ Symposiums etc.	Serving as	Year
Dr.S.D.Mani, Professor of Anthropology Department of Sociology, Anthropology And Social Work, Slippery Rock, Pennsylvania - USA	Special Lecture	Delivered special lecture on "Relevance of Social Science Knowledge in Understanding Human Issues"	14, March 2008
Dr.C.N.Natarajan, Formerly Professor and Head, Department of Sociology M.S. University, Tirunelveli	Special Lecture	Delivered a lecture series on "Causal Methodology in Sociology" under UGC-SAP-Visiting Fellow Lecture Series	From 10-02-2011 to 15-02-2011.
Dr. N. Jayaram, Dean Tata Institute of Social Science, Deonar, Mumbai - 400 088	Seminar / Special Lecture	Delivered a lecture series on "Recent Trends in Social Science Research" under UGC-SAP-Visiting Fellow Lecture Series 1. Dualisms in Sociological Analysis: How do we overcome them? 2. On levels of Theorization in Sociology: Macro, Micro & Meso	From 26-03-2011 to 31-03-2011

Name & Designation	Seminar/ Workshop/ Special Lectures/ Symposiums etc.	Serving as	Year
		3. Philosophical foundations of Social Research 4. Emerging Trends in Social Science Research 5. Emerging Trends in Social Science Research	
Dr. M. Francis Abraham, Formerly Professor of Sociology Department of Sociology University of Louisiana, Louisiana, U.S.A.	Seminar / Special Lecture	Delivered a series of five Special lectures under UGC-SAP-Visiting Fellow Lecture Series 1. Sociological Imagination 2. Sociological Theory: Then and Now 3. Perspectives on Change and Development 4. Sociology of Happiness 5. Making it in the Global Arena: Interactive Session	From 28-02-2012 to 01-03-2012
Dr. B.K. Nagla, Professor & Head (Retd.) Department of Sociology M.D. University, Rohtak	Special Lecture	Delivered a special lecture on "Globalization and its impact on Indian Society" under UGC-SAP-Visiting Fellow Lecture Series.	23-02-2012
Mr. K. Ranganathan, Consultant HRD and IR, Chennai	Special lecture	Industrial Relations and Personal	29-03-2011

#### **45. List the teaching methods adopted by the faculty for different programmes.**

The emerging challenges in the field and the general requirements of the discipline are met with the framing, designing and updating of the curriculum. The teachers use several innovative methods like - lecture method, Class note method, assignment, LCD method, mostly to focus for the job.

#### **46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

The department is committed to periodical evaluation of the various programmes offered to the students in terms of content, job market and students capability in securing a job. This peer evaluation help the department to overcome pitfalls if any and to redesign the course content to meet the future challenges

#### **47. Highlight the participation of students and faculty in extension activities.**

The students are motivated to have active participation in extension activities like department field training, NSS, NCC, etc.,

#### **48. Give details of "beyond syllabus scholarly activities" of the department.**

- Students, Research Scholars and Faculty members are constantly encouraged to present papers in the national and international level seminars, symposiums.
- Research Scholars and Faculty members are participating in the workshops and hands on training programmes on modern techniques, upcoming methods and etc.
- Research Scholars and Faculty members are publishing articles in the reputed journals at national and international level.
- Faculty members are delivering guest, special lectures at other institutions and vice versa on knowledge resources sharing between institutions.
- Most of the research scholars are choosing their research areas in upcoming issues and getting financial assistance / scholarships from the State / Central Governments. Ex. Rajiv Gandhi Scholarships, etc.

- UG and PG level students are encouraged to choose project works of their choice.
- Students are motivated and guided by the faculty members for competitive examinations like NET, SET etc. The department library assists for their needs.
- Faculty members are taking SC/ST remedial coaching classes for the PG students of Economics Department.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

Programmes were approved by UGC and the University is accredited

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Organization of seminars, workshops and hands on training programmes on latest and upcoming topics, areas and techniques.
- Organization of endowment lectures on current issues by subject experts.
- Constantly updating programme curriculum that suits the current and future needs.
- Providing computer laboratory facilities to enrich the practical knowledge of students on latest techniques, open source softwares etc.
- Facilities to utilize online and digital resources.
- Provision for the students to do additional courses under distance education system of the university with reduced fees structure for the students.
- Facilities to undergo cross major courses under elective class methodology.
- Facilities to utilize university resources to do minor and major research projects at the department itself.

**51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Strength**

- The faculty at the Department is competent to meet the new challenges of the profession.
- Latest teaching learning techniques.
- Publication / Research project and organization of seminars and conferences.
- Extension and outreach activities.
- SAP status.

**Weakness**

- Low students enrolment.
- Low number of research out put in the department.
- Poor competition of students in competitive examinations.
- Lack of latest technology facilities to meet the global academic requirement.
- Poor students participation in co-curricular activities.

**Opportunities**

- Using ICTs in research.
- Participate in national / international seminars.
- Potential opportunity for career development in terms of research and extension activities.
- Training – the department could organize short training programmes on topics relating to rural community change and alleviating social problems.
- Availability of journals for the publications of research articles.

**Challenges**

- Preparing students to understand the interaction between social factors and information environment.
- To equip students with knowledge, skill and culture in international languages to enable them to be versatile in handling information globally.
- Poor communicative skills among the students due to rural background.
- Facilities to utilize online and digital resources.
- Facilities to undergo cross major courses under elective class methodology.
- Facilities to utilize university resources to do minor and major research projects at the department itself.

## 52. Future plans of the department.

- To enable the student to understand and appreciate the principle and objective of the master's programme in the changing social and academic environment and to train them acquiring soft skills and use modern technologies for their future career prospectus.
- The department intends to promote, prepare, and publish monographs, text books, occasional papers, etc., useful for researchers and students.
- Focus for the interdisciplinary research on the local problems with the help of other university departments. The department will identify the areas in which investigation is required and to establish research programmes encompassing both group and individual projects.
- Encouraging the researchers to do the research in the emerging areas of social research.
- Encouraging the faculty members and researchers to obtain various research grants for their research activities.
- Steps to increase the number of research publications at national and international level accredited journals.
- Vision towards making the department as Centre for Advance Study in Sociology.
- Periodical organization of Extension and out reach activities.
- The department would maintain continuous professional contact with alumni and to offer them guidance.



## DEPARTMENT OF COMMERCE

**1. Name of the Department :** - Department of Commerce

**2. Year of establishment:** - 1955

**3. Is the Department part of a School/Faculty of the university?** -Yes, Faculty of Arts

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

M.Com., (Accounting and Finance); M.Com., (International Business and Banking); M.Com. (Accounting and Taxation); M.Com. (Computer Applications); M.Com. (Entrepreneurship); M.Com., (Integrated Programme); PG Diploma in Retail Banking; M.Phil.; Ph.D.

### 5. Interdisciplinary courses and departments involved

Sl. No.	Course	Department Name
1	Computer applications	Department of Computer Science and Engineering
2	Statistics	Department of Statistics
3	Mathematics	Department of Mathematics
4	Civics	Department of Population Studies
5	Health science	Department of Medicine
6	Environmental studies	Department of Civil Engineering

### 6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Sl. No.	Course	Name of the University/ Industry/Foreign institutions
1	PG Diploma in Retail Banking	ICICI Bank Ltd., Mumbai
2	Tally software training	Winsoft, Chidambaram

The Department Offered a PG Diploma in Retail Banking along with ICICI Bank Ltd., Mumbai, by a MoU between the University and the Bank.

### 7. Details of programmes / courses discontinued, if any, with reasons

M.Com., (Financial Services) was discontinued due to poor response.

### 8. Annual/ Semester/Choice Based Credit System- CBCS and CBS

### 9. Participation of the department in the courses offered by other departments

Degree	Department	Courses
M.C.A.,	Computer Science and Engineering	Accounting and Financial Management
M.A.,	Rural Development	Financing Agriculture
M.A.,	Economics	Principles of Management
M.B.A., (Environment Mgt)	Economics	Financial and Cost and Accounting
M.B.A., (Environment Mgt)	Economics	Managerial Accounting
D.Pharm.,	Pharmacy	Drug store and Business Management
B.Pharm.,	Pharmacy	Pharmaceutical Industrial Management

### 10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned *	Actual **
Professors	01	8
Associate Professors	02	6
Asst. Professors	14	38

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Includes the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

### 11. Faculty profile with name, qualification, designation and specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided
Dr. H.Shankar	M.Com., M.Phil., Ph.D.,	Professor & Head	Accounting & Finance	35	6
Dr.R.Meenakshisundaram	M.Com., M.Phil., Ph.D.	Professor	Accounting & Taxation	35	-
Dr. R. Selvaraju	M.Com., M.Phil., Ph.D.,	Professor	Co-operation	28	2
Dr. D. Ilangovan	M.Com., Ph.D.,	Professor	Co-operation	27	8
Dr. G. Vasanthi	M.Com., M.Phil., Ph.D.,	Professor	Banking	25	8
Dr. K. Govindarajan	M.Com., M.Phil., B.Ed., D.L.L., Ph.D.,	Professor	Accounting & Finance	25	5
Dr. K. Padhmanaban	M.Com., B.Ed., P.G.D.B.A., Ph.D.,	Professor	Co-operation	15	2
Dr. S. Suresh	M.Com., M.Phil., M.Ed., Ph.D.,	Professor	Personnel management - Industrial Relations	15	1
Dr. M.P. Mahesh	M.Com., M.Phil., Ph.D.,	Associate Professor	Accounting & Finance	15	2
Dr. V. Sundar	M.Com., M.Phil., B.Ed., Ph.D.,	Associate Professor	Banking	15	1
Dr.M.Somasundaram	M.Com., M.Phil., Ph.D.,	Associate Professor	Marketing	14	2
Dr. N. Periyasami	M.Com., M.Phil., Ph.D., PGDPM	Associate Professor	Accounting & Finance	14	2
Dr. S. Subramanian	M.Com., M.B.A., B.Ed., M.Phil., Ph.D.,	Associate Professor	International Finance	15	1
Dr. N. Ramu	M.Com., M.Phil., Ph.D., M.F.M., PGDBA.,	Associate Professor	Co-operative banking	14	-
Dr. P. Vijayalakshmi	M.Com., B.Ed., PGDCA., Ph.D.,	Assistant Professor	Entrepreneurship	13	-
Dr.N.V.R.Rajagopalan	M.Com., M.Phil., Ph.D., M.F.C., M.B.A., Grad C.W.A	Assistant Professor	Accounting & Finance	11	-
Dr. B. Karthikeyan	M.Com., M.Phil., Ph.D.,	Assistant Professor	Banking	10	1
Dr. Sulagna Dey	M.Com., Ph.D.,	Assistant Professor	Marketing	9	-
Dr. P. Veerakumar	M.Com., M.Phil., Ph.D., B.Ed., PGDCM	Assistant Professor	Banking	8	-
Dr.V.Dheenadhayalan	M.Com., DCA., M.Phil., M.F.M., Ph.D	Assistant Professor	Finance	7	-
Dr. D. Thomas Victor Raja	M.Com., M.Phil., Ph.D., M.B.A., B.Ed.,	Assistant Professor	Co-operation	7	-
Dr. R. Jayavel	M.Com., M.Phil., Ph.D., PGDCA.,	Assistant Professor	Marketing	7	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided
Drs. N. Jamunarani	M.Com., M.Phil., Ph.D.,	Assistant Professor	Co-operation	7	-
Mr. M. Bharath	M.Com., M.Phil., B.Ed.,	Assistant Professor	Accounting & Financial	7	-
Dr.L.Ganesamoorthy	M.Com., M.Phil., Ph.D.,	Assistant Professor	Accounting & Finance	7	-
Dr. P. Nagarajan	M.Com., M.Phil., Ph.D.,	Assistant Professor	Human Resources Management	7	-
Dr.T.K.Senthilkumar	M.Com., M.Phil., Ph.D.,	Assistant Professor	Marketing	7	-
Dr.B.Manivannan	M.Com., M.Phil., Ph.D.,	Assistant Professor	Co-operation	7	-
Dr. S.Ezhilraji	M.Com., M.Phil., Ph.D.,	Assistant Professor	Banking	7	-
Dr.J.Arunachalam	M.Com., M.Phil., Ph.D.,	Assistant Professor	Banking	7	-
Dr.J.Paramasivam	M.Com.,B.Ed., M.Phil., Ph.D.,	Assistant Professor	Accounting	7	-
Dr.S.Karthikeyan	M.Com., M.Phil., Ph.D., M.B.A., PGDCA., D.Co-op.	Assistant Professor	Co-operation	7	-
Dr.T.Asothai	M.Com., M.Phil., Ph.D., B.Ed. D.Co-op.,	Assistant Professor	Marketing	7	-
Dr.B.Avudaiammal	M.Com., M.Phil., Ph.D.,	Assistant Professor	Banking	6	-
Dr.A.Govindarajan	M.Com., M.Phil., Ph.D.,	Assistant Professor	Marketing	6	-
Mr.G.Kumar	M.Com., M.Phil.,	Assistant Professor	Human Resource Management	6	-
Dr.M.Maheshwari	M.Com., M.Phil., Ph.D.,	Assistant Professor	Banking	6	-
Dr.R.Ravanan	M.Com., M.Phil., Ph.D.,	Assistant Professor	Marketing	6	-
Ms.V.Maheshwari	M.F.C., M.Phil.,	Assistant Professor	Finance	6	-
Ms.T.Rani	M.Com., M.Phil.,	Assistant Professor	Finance	6	-
Ms.S.Vijayalakshmi	M.Com., M.Phil.,	Assistant Professor	Marketing	6	-
Dr.P.Ravichandran	M.Com., M.Phil., B.Ed., Ph.D.,	Assistant Professor	Marketing	6	-
Dr.K.Raja	M.Com., M.Phil., Ph.D.,	Assistant Professor	Marketing	6	-
Mr.M.Suresh	M.Com., M.Phil., PGDCA	Assistant Professor	Accounting & Finance	5	-
Dr.C.Palanichamy	M.Com., M.Phil., Ph.D.,	Assistant Professor	Finance	5	-
Mr.L.Jagadeesan	M.Com., M.Phil., B.Ed., M.B.A.,	Assistant Professor	Finance	5	-
Dr.M.Saravanan	M.Com., M.Phil., Ph.D.,	Assistant Professor	Accounting	5	-
Dr.P.Kalaiselvi	M.Com., M.Phil., B.Ed., Ph.D.,	Assistant Professor	Marketing	5	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided
Ms.L.Vinothini	M.Com., M.Phil., B.Ed.,	Assistant Professor	Marketing	4	-
Ms.H.Shyamaladevi	M.Com., M.Phil.,	Assistant Professor	Marketing	4	-
Ms.G.Geetha	M.Com., M.Phil.,	Assistant Professor	Marketing	4	-
Ms.P.Sumathi	M.Com., M.Phil.,	Assistant Professor	Marketing	4	-
Mr.J.Ramachandran	M.Com., F.C.A.,	Part-time Lecturer	Accounting & Taxation	36	-

## 12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors

Name & Designation	Serving as	Institution
Mr. J. Ramachandran, M.Com., F.C.A., Assistant Professor	He serves as a part-time lecturer to impart practical knowledge in Taxation.	He is the practicing Fellow Member of Institute of Chartered Accountants of India.

## 13. Percentage of classes taken by temporary faculty - programme-wise information

No temporary faculty is handling classes in the department.

## 14. Programme-wise Student Teacher Ratio (2011-2012)

Programmes	Number of applications	Number of students admitted	Demand Ratio
PG	54	48	1:1.13
Integrated Masters	130	107	1:1.21
M.Phil.	36	27	1:1.33
Ph.D.	46	20	1:2.3
PG Diploma	11	11	1:1

## 15. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Actual
Academic support staff	8
Technical staff	3

## 16. Research thrust areas recognized by funding agencies

Accounting, Finance, Banking and Co-operation

## 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

Name of the Agency		Amount	Title of the Project, Name of the Investigator (s)
National	International		
Universities Grants Commission		Rs.4,19,400	Management of Non-Performing Assets in Scheduled Commercial Banks in India and its Recovery Performance Investigator Dr.V.Dheenadhayalan, Assistant Professor in Commerce

## 18. Inter-institutional collaborative projects and grants received

a) All India collaboration b) International - Nil

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. - Nil**

**20. Research facility / centre with - Nil**

- state recognition
- national recognition
- international recognition

**21. Special research laboratories sponsored by / created by industry or corporate bodies - Nil**

**22. Publications:**

- Number of papers published in peer reviewed journals (national / international) - 312 (Annexure - I)
- Monographs - -
- Book Authored - 10
- Chapters in Books - 239
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index-range/average - No. of citations for research work done by Staff - 60
- SNIP
- SJR
- Impact Factor - range / average
- h-index-2

**23. Details of patents and income generated - Nil**

**24. Areas of consultancy and income generated - Nil**

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad - Not Applicable**

**26. Faculty serving in** a) National committees ; b) International committees  
c) Editorial Boards ; d) any other (please specify)

**Dr. V. Sundar**, Associate Professor

- Editorial Board member in SELP journal of Social Science
- Research Explorer
- International Journal Research in Commerce and Management.

**Dr. S. Subramanian**, Associate Professor

- CLEAR International Journal of Research in Commerce and Management, Clear Foundation, Chennai

**Dr. N. Ramu**, Associate Professor

- Editorial Board member in Journal of Business Theory in Practice
- Global Advanced Research Journal of Arts and Humanities
- IOSR Journal of Business and Management

**Dr. NVR. Rajagopalan**, Assistant Professor

- Shivani Journal of Research in Management, Shivani School of Business Management, Navalur Kuttapattu, Dindugal Road, Tiruchirapalli.

**Dr.V.Dheenadhayalan**, Assistant Professor

- DBJC Journal of Business Research, D.B.Jain College, Chennai

**Dr.L.Ganesamoorthy**, Assistant Professor

- American International Journal of Research in Humanities, Art and Social Sciences (AIJRHASS), 148, Summit Drive, Byron, Georgia-31008, United State with branch offices at: India, Canada, Australia, Germany, Netherlands.

## 27. Faculty recharging strategies

The teachers of the Department have been actively involved as Participants and Resource persons of Refresher Course, Orientation Programme, etc.

## 28. Student projects

- Percentage of students who have done in-house projects including inter-departmental projects
- Percentage of students doing projects in collaboration with other universities / industry / institute

Not applicable

## 29. Awards / recognitions received at the national and international level by

- Faculty

**Dr.S.Subramanian**, Associate Professor - Best NSS Programme Officer, Annamalai University , Purpose: Best Social Service, 2005.

- Doctoral / post doctoral fellows
- Students - Nil

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Number organized (during the last five years)				
	National		International	
	Organized	Participated/ Attended	Organized	Participated/ Attended
Seminars	4	856	-	-
Workshops	1	112	-	-

## 31. Code of ethics for research followed by the departments

A separate Research Committee consisting of all professors has been constituted for Ph.D. programme and a committee consisting of all professors and Associate Professors is also functioning for the M.Phil. programme. In order to ensure quality in research and maintain originality the following procedures have been in practice.

- a. Separate meetings are held to finalise research title to avoid any duplication of research work.
- b. After confirming the title, separate meetings are held to discuss the research proposal to finalise methodological and other related aspects.
- c. Periodical meetings for research scholars are also held to assess the progress of research and in the meetings the need and importance of maintaining academic honesty has been placed as the focal point of doing research.
- d. The research supervisors are having the practice of verifying and placing all the borrowed concepts, research findings and other related aspects with due recognition of the source with author(s) especially in finalizing the theoretical background and review of literature.

**32. Student profile course-wise: (2011 - 2012)**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
PG	54	32	16		
Integ. Masters	130	64	43		
M.Phil.	36	22	5		
Ph.D.	46	9	11		
PG Diploma	11	6	5		

**33. Diversity of students**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Com. (CBCS)	-	97	1	2
M.Com. (IC)	-	93	2	5
M.Phil.	10	85	5	-
Ph.D.	5	91	4	-

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. - Nil**

**35. Student progression**

Student progression	Percentage against enrolled
UG to PG	-
PG to M.Phil.	10
PG to Ph.D.	5
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	10
• Other than campus recruitment	35
Entrepreneurs	15

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	44
from other universities within the State	56
from universities from other States	-
from universities outside the country	-

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period**

15 faculties were awarded Ph.D., during the assessment from 2008-09 to 201-12.

**38. Present details of infrastructural facilities with regard to****a) Library**

Total No of Books : 4480; Text books : 2343; Reference books: 2137

Indian Journals : 28; No. of Back Volumes: 1109

**b) Internet facilities for staff and students**

Net connection HUB is provided in the computer lab. Totally there are 20 internet connections. 10 systems are available in the Computer Lab during the working hours for both

students and staff. Other 10 connections are provided in the staff rooms. Centralized Campus Wide Network is made available.

c) Total number of class rooms:- Total Number Of Lecture Halls Available - 15

d) Class rooms with ICT facility:- One.

e) Students' laboratories

One computer lab is available in the department with 20 computers of which 10 have internet connection.

f) Research laboratories

### 39. List of doctoral, post-doctoral students and Research Associates

a) from the host university :- 21

Sl. No.	Candidate	Sl. No.	Candidate
1.	G. Uppili Srinivasan	12.	D. Vijayarangam
2.	S. Rajanarayanan	13.	J. Paramasivam
3.	A. Sivanandam	14.	K.Venkatachalapathy
4.	A. Murugarathinam	15.	S. Ezhilraji
5.	Nongmaithem Robindro Singh	16.	N. Jamunarani
6.	M. Rajarajan	17.	P. Kalaiselvi
7.	M.Thirunarayanansamy	18.	R. Sakthivel
8.	K. Thamizhselvan	19.	K. Bakkiayaraj
9.	S. Subramaniyan	20.	D. Thomas Victor Raja
10.	N. Kesavan	21.	S. Jayalakshmi
11.	C. Sivaraman		

b) from other universities :- 31

Sl. No.	Candidate	Sl. No.	Candidate
1.	J. Gayathri	17.	P. Nagarajan
2.	N. Periyasami	18.	M. Maheswari
3.	S. Raja Durai	19.	M. Rajendran
4.	J. Sundara Raj	20.	Ghousia Khatoon
5.	V. Selvarasu	21.	D. Revathi
6.	S. Thirumaran	22.	K. Narasimhan
7.	N. Ramu	23.	M. Saravanan
8.	S.V. Murugesan	24.	T. Asothai
9.	M. Julius Prasad	25.	S. Karthikeyan
10.	G. Hemalatha	26.	M. Tamilmani
11.	R. Durga Doss	27.	V. Sivakumar
12.	Syed Abdus Salaam	28.	B. Avudaiammal
13.	S. Soosai John Rosario	29.	K.R. Rajendiran
14.	P. Veerakumar	30.	S. Bennet
15.	G. Venkatasalam	31.	D. Kandavel
16.	T.K. Senthilkumar		

40. Number of post graduate students getting financial assistance from the university?- Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. - No



**42. Does the department obtain feedback from**

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? - No

b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? - No

c) alumni and employers on the programmes offered and how does the department utilize the feedback? - No

**43. List the distinguished alumni of the department (maximum 10)**

Mr. Sundarrajan	General Manager, Bombay Stock Exchange.
Dr. Alagappan	Former Registrar, Madurai, Kamaraj University, Madurai
Prof. A. Seetharaman	Head, Department of Management, Multimedia University, New Hampshire, U.S.A.
Dr. Vijay Govindarajan	Professor, Visiting Faculty and Consultant, New Hampshire University, New Hampshire, U.S.A.
Mr. B. Sundaramoorthy, FCA.,	Finance Manager, Lakshmi Saraswathy Spinning Mills (Arani), Chennai.
Mr. Krishnamurthy,	District Magistrate, Tamilnadu Judiciary Services
Dr. S. Sudalaimuthu,	Vice-Chancellor, Alagappa University, Karaikudi
Justice Janarthanan,	Former Judge, High Court of Madras, Chennai
Mr. G. Singaravel,	Addl. Private Secretary to Minister of Home Affairs, Govt. of India, New Delhi.
Prof. R. Santhanam,	Visiting Professor, National University of Singapore.

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

The department conducts value education programme to the students for moral enrichment. The department also conducts students seminars by inviting eminent personality from other academic institutions and corporate bodies.

**45. List the teaching methods adopted by the faculty for different programmes.**

- Class room teaching
- Powerpoint presentations
- Through internet learning
- For M.Com (Computer Applications) students practical training in computer softwares are given in the computer lab.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

- Seminars and assignments have to be submitted periodically.
- Continuous internal assessment tests are conducted.

**47. Highlight the participation of students and faculty in extension activities.****i. Scribe service**

- 18 students

**ii. Red Cross society and NSS Blood donation**

- Number of Units Donated 248
- Number of Students 216
- Scribe services rendered by 20 students

**iii. Students Co-operative Store**

- 2 Staff members are serving as Directors

**48. Give details of “beyond syllabus scholarly activities” of the department.**

Participations in debates and quiz competitions

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. - Nil**

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. - Nil**

**51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Strengths**

- Diversity in programmes offered with specializations
- Qualified faculty members
- Basic infrastructure facilities like library and ICT enablement lab
- Good research output
- Good number of publications

**Weaknesses**

- Rural location
- Students with lack of communication skill
- Insufficient exposure to advanced learning methods
- Poor aptitude of students
- Lack of student participation in computer learning

**Opportunities**

- Wide range of job offerings in accounting, banking, marketing and other fields
- Campus interviews from industry
- Getting funds for research from various agencies
- Developing good secondary data bases for research
- Developing new knowledge

**Challenges**

- Availability of funding for developing required infrastructure with increasing students' strength.
- Developing students with good communication skills
- Improving the positive and required aptitude among students
- Making students aware of their future careers
- Improving the employability of students

**52. Future plans of the department.**

- Expansion of existing infrastructure.
- Provision of technology enablement in teaching and learning.
- Applying for research projects
- Conducting personality development programmes for students
- Focusing more on Career information guidance and placements

## DEPARTMENT OF POPULATION STUDIES

**1. Name of the Department:** - Population Studies

**2. Year of establishment:** - 1976

**3. Is the Department part of a School/Faculty of the university?** :- Yes, Faculty of Arts

**4. Names of Programmes / Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) -**

M. A., Population Studies (CBCS);

M. A., Health Social Science (CBCS);

M. A., Population and Development (Five year Integrated);

M. Phil., Population Studies;

Ph. D., Population Studies

### 5. Interdisciplinary courses and departments involved

Sl. No.	Course	Department Name
1.	Population Sociology	Sociology
2.	Population Psychology	Psychology
3.	Statistical Techniques	Statistics
4.	Dimensions of Rural Development	Rural Development

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.-** Nil

**7. Details of programmes / courses discontinued, if any, with reasons:**

PG Diploma in Demography and Social Health as been discontinued since 2012 due to completion of the innovative projects funded by UGC.

### 8. Annual/ Semester/Choice Based Credit System

- M. A., Population Studies – Semester and Choice Based Credit System
- M. A., Health Social Science – Semester and Choice Based Credit System
- M. A., Population and Development (Five year Integrated) Semester
- M. Phil., Population Studies – Semester
- Ph. D., Population Studies – Annual

### 9. Participation of the department in the courses offered by other departments

The Department of Population is involved in teaching specialized papers offered by the other departments on request. The details of the course and the host department are given below:

S.No.	Degree	Host Department	Course
1.	a. M.A. Sociology b. M.S.W. c. M.A. Applied Sociology	Sociology	i. Social Demography ii. Population Dynamics and Family Welfare iii. Population and Society
2.	M.Sc., Statistics	Statistics	Demographic Techniques
3.	M.A. Rural Management	Centre for Rural Development & Extension	Dimensions of Rural Development

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

Post	Sanctioned *	Actual**
Professor	01	3
Associate Professor	01	1
Asst. Professor	05	5

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Includes the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

### 11. Faculty profile with name, qualification, designation and specialization (D.Sc./ D.Litt./ Ph.D./M. Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. A. Subbiah	M.A., M.A., M. Phil., Ph.D.	Professor and Head	Population Policy, Reproductive and Child Health, Population Education, Health Research	32 years	M. Phil Completed-23 Ph. D Completed-5 Ph. D Ongoing-8
Dr. P. Chandran	M.A., M.A., M. Phil., Ph. D.	Professor	Morbidity and Mortality, Fertility, Health, Research	24 years	Ph. D Ongoing -2
Dr. J. Vijayalakshmi	M.A., M. Phil., Ph. D.	Professor	Fertility, Women Studies	23 years	M. Phil Completed-8 M. Phil Ongoing-1 Ph. D Ongoing-1 Ph. D Completed-1
Dr. K. Jothy	M.A, Ph.D.	Associate Professor	Reproductive and Child Health, Tribal, Demography, Fertility, Ageing	15 years	M. Phil Completed-18 Ph.D Completed-2 Ph. D Ongoing-2
Dr.A.K. Ravi shankar	M.A, M.Phil., Ph. D	Assistant Professor	Adolescent Sexuality & Reproductive Health	13 years	M. Phil Ongoing 1 Ph. D Ongoing-1 Ph.D Completed-1
Dr. KH. Bimolata Devi	Ph.D., M.A., M.A.	Assistant Professor	Reproductive and Child Health, Fertility, Studies	8 years	M. Phil Completed-1 Ph. D Ongoing-1
Dr. T. Pugalenth	M.A., M.Sc., M. Phil B. Ed., Ph.D.	Assistant Professor	Fertility	4 year	Ph.D Ongoing-1
Dr. K. Ajeesh Kumar	M. Sc., M. Phil., Ph.D.	Assistant Professor	Population and Development Technical Demography	4 year	M. Phil Completed-2 Ph.D Ongoing-2
Dr. (Ms.) J. Johnsi	Ph.D. M.A., M. Phil.	Assistant Professor	Fertility, Advanced Studies in Mortality and Morbidity	4 year	M.Phil Ongoing-1

### 12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors

Name & Designation	Serving as	Institution
Dr. C. P. Prakasam,	Professor	International

Former Professor,		Institute for Population Science, Mumbai
Dr. N. Audinarayana, Professor,	Prof. & Head	Dept. of Population Studies, Bharthiyar University, Coimbatore.
Dr. A.G. Khan, Professor,	Prof. & Head	Dept. of Sociology, Dharward University, Dharward.
Dr. F. Ram, Director,	Director,	International: Institute for Population Science, Mumbai
Prof. M. Ubaidullah	Prof. & Head	Dept. of Population Studies, Sri Venkateswara University, Tirupati, AP.
Prof. V. K. Ravindra Kumar,	Prof. & Head	Dept. of Population Studies, Sri.Venkateswara University, Tirupati, AP.
Dr. P. Mohan Chandar Nair	Prof. & Head	Department of Demography, Kerala University, Kerala
Dr. G. Rangaiyan, Advisor	Advisor	UNAIDS, Accra.
Dr.R. Gunasekaran, Professor	Prof. & Head	Dept. of Applied Research Gandhigram Rural University, Gandhigram.
Dr. K. Ravichandran, Director	Director,	Population Research Centre, Gandhigram Rural University, Gandhigram.

### 13. Percentage of classes taken by temporary faculty - programme-wise information - Nil

### 14. Programme-wise Student Teacher Ratio

Sl. No.	Name of the Programme	Student Teacher Ratio
1.	M. A Population Studies (CBCS)	2:1
2.	M. A Population and Development (5 year Integrated)	8:1
3.	M. A Health Social Science	2:1
4.	M. Phil Population Studies	1:1
5.	Ph.D. Population Studies	1.3:1

### 15. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Actual
Technical Staff	2
Administrative Staff	4

### 16. Research thrust areas recognized by funding agencies

Reproductive and Child Health;      Population Ageing;      Tribal Demography;  
Adolescent Health;      Migration and HIV/ AIDS;

### 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

Sl. No.	Name of the Agency		Amount	Title of the Project, Name of the Investigator
	National	International		
1.	UGC	-	Rs.6,06,600	"Understanding Reproductive health status of visually impaired women in India" - Dr. A. K. Ravisankar
2.	ICSSR	-	Rs.5,00,000	Developing Essential Skills among Marginalized Social Groups for Meeting Sexual and Reproductive Health Needs- Dr. A. K. Ravisankar

### 18. Inter-institutional collaborative projects and grants received

a) All India collaboration b) International - Nil

### 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.

Funding Agency	Assistance Received (Rs. in Lakhs)
----------------	------------------------------------

UGC - Innovative Programme	30,40,000
UGC - Major Research Projects	3,33,000
ICSSR Research Projects	6,66,750
Ministry of Tribal Affairs, GOI, New Delhi.	2.50.000
Ford Foundation, New Delhi, and Rural Women's Social Education Centre (RUWSEC), Chengalpattu	1,20,000
Population Council, New Delhi	

**20. Research facility / centre with - Nil**

- state recognition:
- national recognition :
- international recognition

**21. Special research laboratories sponsored by / created by industry or corporate bodies - Nil**

**22. Publications: (Detailed List-Vide Annexe)**

- Number of papers published in peer reviewed journals (national / international) - 69 (Annexure - I)
- Monographs: 2
- Chapters in Books: 11
- Edited Books : Nil
- Books with ISBN with details of publishers: Nil
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index - range / average
- SNIP
- SJR
- Impact Factor - range / average
- h-index

**23. Details of patents and income generated: - Nil**

**24. Areas of consultancy and income generated - Nil**

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad - Nil**

**26. Faculty serving in a) National committees ,b) International committees, c) Editorial Boards , d) any other (please specify)**

**Dr. K. Jothy**, Associate Professor

- Acting as a Doctoral Committee Member in the Department of Social Exclusion and Inclusion at Gandhigram Rural University, Dindigul, Tamilnadu.

**Dr. A. K. Ravishankar**, Assistant Professor

- Life Member (IASP)
- Life Member (IASSH)
- Life Member (IUSSP)
- Life Member (APA)

**Dr. KH. Bimolata Devi**, Assistant Professor

- Life Member (IASP)
- Life Member (IASSH)

**Dr. T. Pugalenti**, Assistant Professor

- Life Member (IASP)
- Life Member (IASSH)
- Life Member (APA)

**Dr. K. Ajish Kumar**, Assistant Professor

- Life Member (IASP)

**Dr. J. Johnsi**, Assistant Professor

- Life Member (IASP)
- Life Member (IASSH)

### 27. Faculty recharging strategies:

The teachers of the Department have been actively involved as participants and Resource persons of Refresher Course, Orientations course, FDP and other programmes organized by the University.

### 28. Student projects - Nil

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities / industry / institute

### 29. Awards / recognitions received at the national and international level by - Nil

- Faculty
- Doctoral / post doctoral fellows
- Students

### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Title of the Seminar and Funding Agency	Seminar/ Workshop/ Training	Outstanding Participants
"Changing Youth Population: A New Challenge. (UGC, funded).	National Seminar	PH. Reddy, Population Research Centre, Bangalore
Adolescent Education for University Students (UGC, funded).	Training Program	Dr. S. Ravindran, Gandhigram
"POPLINE Bibliographic Reproductive Database" (IIPS, funded).	Training Program	Dr. C.P. Prakasam, IIPS, Mumbai
Annual Conference of the Indian Association for the Study of Population (IASP, funded).	Population Environment & Health	Dr. S.C. Gulati, IEG, Delhi
Recent Trends in Tribal Demography. Ministry of Tribal Affairs, GoI, New Delhi	National Workshop	Dr. N. Adinarayanan, Coimbatore
Nehru Youth Kendra Volunteers by the (RUWSEC, funded).	Training Program	Dr.P.Balasubramanian, RUWSEC, Chennai
Tsunami Life skill program (RUWSEC, funded).	Training Program	
Two day National Seminar on 'Ageing in India' (UGC, funded).	National Seminar	Dr. K.E.Vaidyanathan, Pondicherry

Title of the Seminar and Funding Agency	Seminar/ Workshop/ Training	Outstanding Participants
The Department of Population Studies has organized a 'SPSS (Statistical Package for Social Sciences) Training Programme for Research Scholars and Teachers' (Self finance)	Training Program	Dr. C.P. Prakasam, IIPS, Mumbai
UGC sponsored National seminar on Millennium Development Goals: achievements and problems in India. (UGC, funded).	National Seminar	Dr. P. Mohana chandran Nair, Kerala University
SPSS (Statistical Package for Social Sciences) Training Programme for Research Scholars and Teachers in Annamalai University. (Self finance)	Training Program	Dr. N. Adinarayanan, Coimbatore
Population Stabilization and demographic balancing (UGC, funded).	National Seminar	Ms. Sulaja, Kerala

### 31. Code of ethics for research followed by the departments:

A Research Committee consisting of senior faculties has been constituted to oversee the research activities of the teaching staff and research scholar of the department.

- Post conference briefing on the participation and presentation of the research papers by the faculty
- The research papers have been reviewed by the research committee before presentation and publication to curb plagiarism.
- The ethical values of research have also been thought by the senior faculty members to the young teachers and research scholars.

### 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M. A Population Studies(CBCS)	8	4	4	100	100
M. A Population and Development (5 year Integrated)	79	40	39	100	100
MHSS (Master of Social Health Science)	4	2	2	100	100
M. Phil Population Studies	12	4	2	100	100
Ph.D. Population Studies	24	9	10	-	
P. G Dip. in Demography and Social Health	1	-	1	100%	

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries	Total
M.A., (CBCS)	-Nil-			100%	100%
M.A., Five Yr. Int.	-Nil-			100%	100%
MHSS	-Nil-			100%	100%
M. Phil Population Studies	43%		57%	Nil	100%
Ph. D. Population Studies	19.2%	19.2%	50.0%	11.6%	100%

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. - Nil**

### 35. Student progression



Student progression	Percentage against enrolled
UG to PG	-
PG to M. Phil.	20%
PG to Ph.D.	15%
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	
• Other than campus recruitment	
Entrepreneurs	

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	66.6
from other universities within the State	11.2
from universities from other States	22.2
from universities outside the country	-

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period - Ph.D., - 10**

**38. Present details of infrastructural facilities with regard to**

- a) Library -Yes
- b) Internet facilities for staff and students - 6
- c) Total number of class rooms - 6 Nos.
- d) Class rooms with ICT facility - 1
- e) Students' laboratories - 1 Nos.
- f) Research laboratories - Nil

**39. List of doctoral, post-doctoral students and Research Associates**

- a) from the host university : Nil
- b) from other universities : Nil

**40. Number of post-graduate students getting financial assistance from the university? - Nil**

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. - Nil**

**42. Does the department obtain feedback from**

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The Faculty members are requested to give their inputs for the revision and up-gradation of syllabus periodically and the same are included suitably in the curriculum in consultation with the Board of Studies Members.

b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

At the end of every semester, the feedback from students on the programme as a whole and the contents of syllabus and also on the teaching methodology of the faculty members are obtained and their feedback are taken into consideration for overall improvement of curriculum and teaching skills, suitably.

c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

Periodically the course content is sent for critical evaluation to some of our distinguished Alumni working as academicians and reputed researchers, the suggestions are well taken for updating the curriculum.

#### 43. List the distinguished alumni of the department (maximum 10)

Dr. G. Ranagaiyan	Advisor, UNAIDS, PO Box 1423 Accra, Ghana, Tel+233-302771597, 233-302771575 and Mobile No. 8608220859, Email: gurumurthyr@unaid.org.
Dr. P Arokia Samy	Professor, International Institute for Population Sciences, Govandi Station road, Deonar, Mumbai - 400088
Dr. P. Krishnamoorthy	Associate Professor, International Institute for Population Sciences, Govandi Station road, Deonar, Mumbai - 400088
Dr. A. Varadharajan	Deputy Director, IGNOU, Chaidapet Campus, Chennai -
Mr. T. Jayaraj	Social Scientist, Dept, of Family Welfare, DMS Complex Chennai.
Dr. P. Balaubramanian	Executive Director, Rural Women's Social Education Centre (RUWSEC), Chengalpattu - 603 002. Mobile No: 9443120751.
Dr. S. Ravindran	Associate Professor, Population Education Research Centre, Department of Adult Continuing Education and Extension, Gandhigram Rural Institute, Gandhigram - 624 302.
D. Damodharan	Vice-Principal, Central School, Kalpakkam. Chennai.
Mr. N. Sethuraman	Research Officer, National Sample Survey Organization, Pondicherry Division, Puducherry.
Dr. James Atina	Lecturer, Dept. of Demography, Botswana University, South Africa.

#### 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

The student enrichment programmes are organised by our department by inviting distinguished external experts besides our own senior faculty members, and conducting various Seminars, Conferences and Workshops/Training Courses.

- Dr. A. G. Khan, Gulbargah University, Karnataka.
- Prof. C. P. Prakasam, Emeritus Professor, IIPS, Mumbai.
- Prof. N. Audinarayana, Bharathiyar University, Coimbatore.
- Prof. R. Gunasekaran, Gandhigram Rural University, Gandhigram.
- Dr. Ravichandran, Population Research Centre, GRI, Gandhigram.

Seminar/Workshop/ Special/Lectures/ Symposiums	Title	Year
Population Environment & Health	Annual Conference of the Indian Association for the Study of Population (IASP)	2007
National Seminar	Changing Youth Population: A New Challenge	2008
Training Program	Adolescent Education for University Students	2009
Training Program	POPLINE Bibliographic Reproductive Database	2009
National Workshop	Recent Trends in Tribal Demography	2009
Training Program	Nehru Youth Kendra Volunteers by the RUWSEC	2010
Training Program	Tsunami Life skill program	2010
National Seminar	Two day National Seminar on 'Ageing in India	2010
Training Program	The Department of Population Studies has organized a 'SPSS (Statistical Package for Social Sciences) Training Programme for Research Scholars and Teachers'	2011
National Seminar	"Population Stabilization and Demographic Balancing"	2012

Seminar/Workshop/ Special/Lectures/ Symposiums	Title	Year
	28 <sup>th</sup> &29 <sup>th</sup> March, 2012.	
National Seminar	UGC Sponsored National Seminar on Millennium Development Goals: achievements and problems in India	2013
Training Program	SPSS (Statistical Package for Social Sciences) Training Programme for Research Scholars and Teachers in Annamalai University,	2013
National Seminar	Challenges ahead of maternal and child health- From issues to action, 24 -25 <sup>th</sup> march,2014	2014

**45. List the teaching methods adopted by the faculty for different programmes.**

Lecturing with LCD, CD, ICT, Group Discussion, and Interaction sessions with external experts and paper presentations by students.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Through feedback from the teachers and students at the end of every semester

**47. Highlight the participation of students and faculty in extension activities.**

- Through the following programmes, the Faculty members and students are involving themselves in the extension activities
- National Service Scheme
- Youth Red Cross
- Yoga Meditation

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Every Week, special lectures by the faculty members are arranged in which various issues relating to the Population of India and World countries are discussed at length.
- Special Lectures are arranged by inviting Elite personalities to have discussions with the Research scholars and Faculty Members.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. - No.**

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

The Centre for Population Studies brings together researchers active in population health sciences research, including public health and primary care research. Postgraduate research teaching/training is the prime activity for the Centre, both as a contribution public health research capacity, but also because it is highly relevant to the research endeavours of the Centre, and enables the identification and nurturing of high quality researchers. We offer and taught Master of Population Studies, Population and Development, and Health Social Science as well as various research based degrees (Ph.D., M. Phil.).

Our programs and activities offer the best within their specialties and disciplines, and we are committed to continually improving our skill and expertise in order to meet the emerging needs of our country for truly qualified professionals.

**51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

### Strengths

- Postgraduate research teaching/training,
- Identification and nurturing of high quality researchers and
- Attracting more students from African Countries
- Innovative teaching with technical background.

### Weaknesses

- There is a reduction in number of students joining the course

### Opportunities

- Collaboration with other eminent researchers and research institutions
- Working in newer fields of research
- Attend more seminars, symposia, training programmes etc. to seek for collaboration.

### Challenges

- Striving and obtaining recognition for Demography and Population Sciences

### 52. Future plans of the department

- Carry out research on current key population and related issues.
- Carry out Socio-demographic Mapping of Tamilnadu.
- This Centre is also planning to start short courses in the fields of gender studies, reproductive health, and demography, quantitative and qualitative techniques of population data analysis.
- To conduct training/workshops on analysis techniques, presentation of data, communication skills, teaching methodology and human resource management.

## DEPARTMENT OF BUSINESS ADMINISTRATION

**1. Name of the Department :** - Business Administration

**2. Year of establishment:** - 1978

**3. Is the Department part of a School/Faculty of the university?** - Yes, Faculty of Arts

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

M.B.A. (Dual Specialization) ; M.B.A. (Human Resource Management);  
 M.B.A. (Financial Management); M.B.A. (Marketing Management);  
 M.B.A. (International Business Management);  
 M.Phil.; Ph.D. (Full-time, Part-time and External)

**5. Interdisciplinary courses and departments involved**

Department	Courses
English	Effective English Speaking
Political Science	Public Administration
Economics	Globalization and Development
Sociology	Sociology of Mass Communication
Commerce	Small Business Management
Population Studies	Tamilnadu Demography
Library and Information Science	Information Service and System
Philosophy	Social Ethics
Centre for Rural Development	Rural Marketing
Tamil	Ethazhiyal
Hindi	Modern Hindi Fiction
Linguistics	Language and Mass Communication
Psychology	Health Psychology
Physical Education	Theory and Practice of Cricket and tennis
Lifelong Learning	Entrepreneurship for Rural Community

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.-** Nil

**7. Details of programmes / courses discontinued, if any, with reasons -** Nil

**8. Annual/ Semester/Choice Based Credit System**

Choice Based Credit System for all Two years PG Programmes.

**9. Participation of the department in the courses offered by other departments**

Highly cooperative and basic Management course is necessary for all programs. Other Departments have such management courses and our faculty members handle classes for those departments.

Course	Department Name
i) Principles of Management iii) Industrial Economics & Management	B.E. (Computer Science & Engineering, Electronics and Communication Engineering)
i) Contract Laws and Regulations ii) Project Formulation and Appraisal	M.E (Civil & Structural)
i) Hospital Management ii) Industrial Relations iii) Consumer Psychology	Psychology
Principles of Management	Physiotherapy

Course	Department Name
Soft Skill Development	Master of Computer Applications
Principles of Marketing	M.Sc., (Computer Science)
Management in Rural Development	Rural Development
i) Sales and Distribution Management for Horticultural Commodities ii) Agri Business Management iii) Management Accounting iv) Sales and Distribution Management v) Human Resource Management vi) Agricultural Banking and Project Analysis vii) Entrepreneurship Development viii) Production and Material Management	B.Sc., (Agricultural)
Project Planning Analysis and Management	Marine Biology
Marketing Management	Economics

### 10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned *	Actual**
Professors	02	8
Associate Professors	04	3
Asst. Professors	08	85

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Includes the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

### 11. Faculty profile with name, qualification, designation and specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided
Dr. N. Panchanatham	M.B.A., M.Com., M.Sc., M. Ed., M.A., Ph.D., D.L.L	Professor (on other duty as Registrar, AU)	HRM & Marketing	25	12
Dr. C. Madhavi	B.Sc., MBA, M.Phil., Ph.D.	Professor & Head	HRM & Marketing	29	12
Dr. S.B. Nageswara Rao	M.Com., M.B.A., Ph.D.,	Professor	HRM & Marketing	27	09
Dr. A. Rajamohan	B.Sc., M.L., MBA, Ph.D.	Professor	HRM & Marketing	24	06
Dr. G. Udayasuriyan	B.B.A., MBA, M.L.S., M.Com., M.Phil., Ph.D.	Professor	HRM & Marketing	21	03
Dr. M. Arul	B.A.(BM), MBA., Ph.D.	Professor	Marketing & HRM	21	03
Dr. B. Natarajan	B.Com., MBA., Ph.D.	Professor	IBM & Entrepreneurship	32	02
Dr. M. Ramesh	B.Com., M.Com., MBA., Ph.D.	Professor	Finance & System	16	06
Dr. A. Selvarasu	B.Sc. (Agri.), MBA., Ph.D.	Professor	IBM & Marketing	16	01
Dr. J. Jayakrishnan	B.Sc. (Chem.), MBA., Ph.D.	Associate Professor	Marketing & HRM	16	01
Dr. K. Sujatha	BBA., MBA., M.Phil., Ph.D.	Associate Professor	Entrepreneurship & HRM	15	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided
Dr. A.A. Ananth	B.Sc., MBA., M.Sc., Ph.D.	Associate Professor	Finance & HRM	15	02
Dr. R. Arunmozhi	B.E., MBA., Ph.D.	Assistant Professor	Production & Marketing	14	
Mr. B. Venkatesan	B.E., MBA	Assistant Professor	Production & Marketing	14	
Dr. S.K. Nagarajan	B.Sc.(CS), MBA., Ph.D.	Assistant Professor	System & Entrepreneurship	14	
Dr. V. Balaji	B.E., MBA., Ph.D.	Assistant Professor	Marketing & Production	13	
Dr. G. Sudha	B.Sc., MBA., Ph.D.	Assistant Professor	HRM & Entrepreneurship	13	
Dr. K. Sivakumar	B.A., MA, MBA, M.Phil., Ph.D.	Assistant Professor	IBM & Marketing	12	
Dr. S. Pandian	B.A., MBA., Ph.D.	Assistant Professor	IBM & Marketing	12	
Dr. K. Sethuraman	B.Com., (Hons), M.B.A., Ph.D.,	Assistant Professor	Marketing	12	
Dr. S. Sowmiya	B.Com., MBA., Ph.D.	Assistant Professor	HRM & Entrepreneurship	12	
Dr. M. Jeyakumaran	B.Com., MBA., Ph.D.	Assistant Professor	Marketing & Entrepreneurship	12	
Dr. P. Rajmohan	B.E., MBA., Ph.D.	Assistant Professor	System & International Business	12	
Dr. J. Tamilselvi	B.Sc., MBA., Ph.D.	Assistant Professor	Marketing & HRM	12	
Dr. S. Mohan Kumar	B.Sc., MBA, M.Sc., , Ph.D.	Assistant Professor	HRM & Marketing	12	
Dr. T. Frank Sunil Justus	B.E., MBA., Ph.D.	Assistant Professor	Strategic Management & Organizational Behavior	12	
Dr. K. Rukmani	BBM., MBA., Ph.D.	Assistant Professor	Marketing & HRM	11	
Dr. G. Latha	B.E., MBA., Ph.D.	Assistant Professor	Marketing & HRM	11	
Dr. S. Saravanan	BBA., MBA, M.Phil., Ph.D.	Assistant Professor	Marketing & HRM	11	
Mr. T. Thileepan	M.Sc. (Agri.), M.B.A., M.Phil,	Assistant Professor	Marketing & HRM	11	
Mr. B. Karthikeyan	B.Sc., MBA, M.Phil.	Assistant Professor	Marketing & HRM	11	
Dr. B. Vimala	B.Sc., MBA., Ph.D.	Assistant Professor	Marketing & HRM	11	
Dr. V. Thamodaran	B.Com., MBA., Ph.D.	Assistant Professor	Marketing & HRM	11	
Mr. S. Singaravelu		Assistant Professor	HRM	11	
Dr. J. John Adaikalam	B.E., MBA	Assistant Professor	Advertising Mgt. & System	10	
Dr. K. K. Sabarirajan	BBA., MBA., Ph.D.	Assistant Professor	Marketing & HRM	10	
Dr. S. Gurumoorthy	B.Sc. (C.S), M.B.A., Ph.D.	Assistant Professor	Marketing & HRM	10	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided
Dr. N. Mallika	B.Com., MBA., Ph.D.	Assistant Professor	HRM	10	
Dr. C. Kathiravan	BBA., MBA., Ph.D.	Assistant Professor	Marketing & System	10	
Mr. K. Iyyapparajan	M.B.A., M.Phil.,	Assistant Professor	HRM	10	
Mr. T. Elanchezhian	B.Sc. (Phy), MBA., M.Phil.	Assistant Professor	HRM & Marketing	10	
Dr. Rincy V. Mathew	BA., MBA, MBE	Assistant Professor	HRM	10	
Dr. R. Rajendran	B.Com., MBA, M.Com., M.Phil., B.Ed. Ph.D.	Assistant Professor	Finance & HRM.	09	
Mr. V. Vasikar	M.B.A., M.Phil.,	Assistant Professor	Marketing	09	
Mr. A. Gopinath	B.E., MBA	Assistant Professor	Marketing & HRM	09	
Dr. R. Gnanaguru	B.Com., M.Com., PGDMM., M.B.A., M.Phil., Ph.D.	Assistant Professor	IBM & Marketing	09	
Mr. K. Gomathi Sankar	B.Sc., MBA	Assistant Professor	Marketing & HRM	09	
Dr. G.S. Jayesh	B.Com., MBA, M.Phil. MSW	Assistant Professor	HRM & Marketing	09	
Dr. R. Rajendran	B.Com., M.B.A., M.Phil., Ph.D.,	Assistant Professor	HRM	09	
Mr. M. Anbumani	BBA., MBA	Assistant Professor	MARKETING & HRM	09	
Mr. K. Manikandan	BA., MBA	Assistant Professor	Marketing & HRM	09	
Mr. C. Murali Kumaran	M.Sc. (Agri), M.B.A., M.Phil.,	Assistant Professor	HRM	09	
Mr. K. Anbazhagan		Assistant Professor	IBM & Marketing	09	
Mr. J. Jayavel	M.B.A., M.Phil.,	Assistant Professor		09	
Mr. T. Elayaraja	M.B.A., M.Phil.	Assistant Professor	Marketing	08	
Dr. S. Shanmugasundaram	B.Com., MBA, MFM, M.Phil.	Assistant Professor	IBM & Finance	08	
Mr. I. Joseph Raj	B.E., MBA, M.Phil.	Assistant Professor	Production & Marketing	08	
Mr. M. Balamurugan	B.Sc., M.Com., M.B.A., M.Phil.	Assistant Professor	Marketing	08	
Ms. A. Kanimozhi	BBA., MBA	Assistant Professor	HRM & Marketing	08	
Mr. M.G. Loganathan	BBA., MBA, M.Phil., PGDBA	Assistant Professor	Marketing & HRM	08	
Dr. K. Sakthivendan	BA., MA, MBA, M.Phil., Ph.D.	Assistant Professor	IBM & Finance	08	
Mr. P. Rajendran	B.Com., MBA, PGDPM&IR	Assistant Professor	HRM & Systems	08	
Ms. K. Yogalakshmi	B.E., MBA, MA	Assistant Professor	Production & HRM	08	



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided
Mr. M. Devanathan	M.B.A., M.Phil.	Assistant Professor	Marketing & HRM	08	
Mr. S. Padmanaban	B.Sc. (CS)., MBA	Assistant Professor	Marketing & System	08	
Mr. S. Partheeban	M.B.A., M.Phil.	Assistant Professor	Marketing	08	
Dr. A. Elankumaran	B.Com., MFM., MBA	Assistant Professor	Finance & HRM	08	
Mr. T. Ramkumar	B.Sc. (CS)., MBA	Assistant Professor	Marketing & System	08	
Ms. R. Vasumathi	B.Sc. (IT)., MBA	Assistant Professor	HRM & System	08	
Mr. A. John Victor	B.B.M., M.B.A	Assistant Professor	Marketing & HRM	08	
Mr. L. Prakash	M.B.A	Assistant Professor	HRM	08	
Ms. G. Tamizharasi	B.Sc. (Chem)., M.A(Eng), M.Ed., MBA	Assistant Professor	HRM & Entrepreneurship	07	
Dr. K. Chezhiyan	B.Sc. (Chem)., MBA	Assistant Professor	Finance & HRM	07	
Mr. T. Senthilmurugan	B.B.A., MBA	Assistant Professor	HRM & Marketing	07	
Ms. L. Sumathy	B.Pharm., MBA	Assistant Professor	HRM & Marketing	07	
Mr. G. Murugan	BBA., MBA	Assistant Professor	HRM & Marketing	07	
Mr. P. Jayakumar	M.B.A., M.Phil.	Assistant Professor	HRM & Marketing	07	
Mr. T. Kumar	B.Com., M.Com., MBA., Ph.D.	Assistant Professor	Finance & HRM	07	
Mr. D. Immanuvel	M.B.A., M.Phil.	Assistant Professor	HRM & Marketing	07	
Mr. R. Narayana Gupta	BCA., MBA, M.Phil., PGDPM & IR	Assistant Professor	HRM & Marketing	07	
Ms. Priya Annamalai	B.E., MBA	Assistant Professor	HRM & Systems	07	
Mr. D. Sakthivel	B.Com., M.Com., MBA., PGDHM	Assistant Professor	Finance & Marketing	07	
Dr. G. Balachandar	B.Sc.(Phy)., M.Com., MBA., M.Phil.	Assistant Professor	HRM & Marketing	07	
Ms. G.S. Subashini	B.E.(Co. Sci)., MBA., PGDPM&IR	Assistant Professor	System & HRM	07	
Ms. V. Sumathy	B.Sc., M.B.A.	Assistant Professor	System & HRM	07	
Dr. AN. Solayappan	B.E.(EEE)., M.B.A., PGDCPM&IR., Ph.D.	Assistant Professor	Marketing & HRM	07	
Mr. G. Saravanakumar	B.B.A., M.B.A.	Assistant Professor	Marketing & HRM	07	
Mr. A. Albert Prabakaran	MBA M.Phil	Assistant Professor	Marketing & HRM	07	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided
Ms. S. Subbulakshmi	B.Com., M.B.A., M.Phil.	Assistant Professor	Finance & HRM	06	
Mr. C. Kumaran	B.Sc.(Chem)., M.B.A.	Assistant Professor	Marketing & HRM	06	
Ms. P. Ramya	M.B.A., M.Phil.	Assistant Professor	Marketing & HRM	06	
Mr. S. Sivachandran	M.B.A., M.Phil.	Assistant Professor	Marketing & HRM	05	
Mr. T. Velmurugan	B.Sc. (N & D)., MBA	Assistant Professor	Marketing & HRM	05	
Ms. T. Sunitha	M.B.A., M.Phil.	Assistant Professor	HRM & Marketing	05	
Ms. S. Kavitha	B.Sc. (Chem)., MBA., M.Phil.	Assistant Professor	HRM & Marketing	05	
Mr. A. Jothiselvamuthukumar	B.E., M.B.A., M.Phil.	Assistant Professor	HRM & Marketing	05	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors- Nil**

**13. Percentage of classes taken by temporary faculty – programme-wise information -Nil**

**14. Programme-wise Student Teacher Ratio**

Programmes	Number of students	Ratio
M.B.A	719 (excluding other department students)	1:8
M.Phil.	28	1:1
Ph.D.	146	1:3

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Actual
Technical Staff	06
Administrative Staff	18

**16. Research thrust areas recognized by funding agencies**

Entrepreneurship, Marketing Management, Human Resource Management.

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Name of the agency		Amount	Title of the Project, Name of the Investigator(s)	Duration
National	International			
NABARD sponsored		Rs.20,000/-	Green Entrepreneurship	2010
Ministry of Rural Development		15 lakhs per year	Assessment for the Beneficiaries of BPL in Tamil Nadu, Andra Pradesh & Karnataka (Dr. S.K. Nagarajan, Dr. B. Natarajan & Dr. S. Sowmiya)	Ongoing Since 2011
Ministry of Cooperatives		1.5 Lakhs	Faculty Development Programme (Dr. B. Natarajan)	2010-2011
Ministry of Rural Industries, Government of India		12 lakhs	Evaluation and Certificate Services for the beneficiaries of skill training programmes	2011-2012
National Science &		2,02,500/-	Entrepreneurship Awareness Camp	2012-

Name of the agency		Amount	Title of the Project, Name of the Investigator(s)	Duration
National	International			
Technology Entrepreneurship Development Board (NSTEDB), Department of Science and Technology (DST)			(EAC)	2013
National Science & Technology Entrepreneurship Development Board (NSTEDB), Department of Science and Technology (DST), Government of India		1,75,000/-	Faculty Development Programme	2012-2013

## 18. Inter-institutional collaborative projects and grants received

### a) All India collaboration b) International

Indo -Srilanka Training Programme 15 lakhs for training the Govt. officials of Srilanka (Customs).

## 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.

i) Rs. 2 Lakh from SDP sponsored by AICTE on Alleyway to Business Competitiveness 17-30 March 2007.

ii) Rs. 2 Lakh from AICTE for SDP on "Emerging Trends in Business Research" from 1-14, August 2008.

iii) Rs. 5.5 Lakhs for research methodology workshop using SPSS from Indian Council of Social Science Research (ICSSR), 2013.

iv) Rs. 55 Lakhs from UGC - SAP (Special Assistance Programme) for five years from 2013-2018. Co-ordinators: Dr. N. Panchanatham & Dr. M. Jeyakumaran

## 20. Research facility / centre with

- state recognition - Students get assistance and scholarships
- national recognition - Students get ICSSR fellows and Scholarships
- international recognition -- Nil-

## 21. Special research laboratories sponsored by / created by industry or corporate bodies - Nil-

## 22. Publications:

- Number of papers published in peer reviewed journals (national / international)  
National-254 International-137 (Annexure -I)
- Monographs
- Chapters in Books - 100
- Edited Books - 50 (Details: Appendix-II)
- Books with ISBN with details of publishers
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

- Citation Index - range / average
- SNIP
- SJR
- Impact Factor - range / average
- h-index

### 23. Details of patents and income generated - Nil-

### 24. Areas of consultancy and income generated

Training and Development - 30 lakhs.

### 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad

03. Visited institution in India as a member of UGC committee and AICTE committee.

### 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

UGC and AICTE institute inspection, International journal editorial members.

Name	National Committees / International Committees / Editorial Boards
Dr. N. Panchanatham	<ol style="list-style-type: none"> <li>1. Member, Editorial Advisory Board, Srusti Management Review, A Bi-Annual Journal of Management &amp; IT, Bhubaneswar, India.</li> <li>2. Member, Editorial Board, International Journal of Financial Management, New Delhi.</li> <li>3. As a member of Peer Team Visit committee of NAAC a visit was made to the Don Bosco College, Tura, Meghalaya from November 3-5, 2011.</li> <li>4. As a member of committee of AICTE a visit was made to TTL college, Mysore on November 15, 2011.</li> <li>5. As a member of Peer Team Visit committee of NAAC a visit was made to the Academic Staff College, Kumaun University, Nainital, Uttrakhand during March 19-21, 2012.</li> </ol>
Dr. C. Madhavi, Dr. M. Ramesh, Dr. J. Jayakrishnan	Editors in Annamalai Business Review Journal
Dr. S.K. Nagarajan, Dr. B. Natarajan & Dr.S.Sowmiya	Editors in Annamalai International Journal of Business Studies and Research
Dr. A. Rajamohan, Dr. M. Arul, Dr. J. John Adaikalam, Mr. A. Gopinath & Mr. K. Manikandan	Editors in Annamalai Journal of Management

### 27. Faculty recharging strategies

Faculty members attend national and international conferences / seminars / symposia / workshop / refresher courses / short term courses / industrial visits periodically.

### 28. Student projects - 100%.

- Percentage of students who have done in-house projects including inter-departmental projects
- Percentage of students doing projects in collaboration with other universities / industry / institute

### 29. Awards / recognitions received at the national and international level by

- Faculty - 24
- Doctoral / post doctoral fellows - Nil-
- Students - 05-ICSSR Scholarship

### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

#### National

Date	Title
28.01.2009	One-day workshop entitled "Play your Cards Successfully" for the final year students of various colleges and universities
10.03.2009	UGC sponsored National Seminar on "Profitability Through Creativity and Innovation"
6.11.2009	One-day workshop "Sampling Techniques in Management Research"
20.03.2010 & 21.03.2010	UGC National Seminar on "Exploring Contemporary Business Basics"
22.04.2010	UGC National Seminar "Ethics and Human Values"
20.12.2010 & 21.12. 2010	Two days workshop on Corporate Governance Awareness Camp sponsored by Ministry of Corporate Affairs, National Foundation of Corporate Governance (NFCG)
22.04.2010	UGC sponsored National Seminar on Ethics and Human Values
11.06.2010	National Seminar on "Strategic Issues in Business"
10.11.2010	one day workshop on "Research Methodology Workshop on Business Research"
29.10.2010	one workshop on "ON-LINE SHARE TRADING"
09.02.2010	One-day workshop "Jog for Job Placement"
27.03.2012 to 29.03.2012	Three days workshop on "Marketing Simulation Game on Designer Foods"
12.09.2012	One day Seminar on Financial Services"
12.09.2012	National Seminar on Financial Services
26.02.2014 & 27.02.2014	Workshop on Strategic Leadership

#### International

Date	Title
16-18.07.2009	All India Council for Technical Education (AICTE), Government of India sponsored by International Conference on Indigenous Management Practices
November 2009	International Training Programme for the Officials of Department of Excise, Srilanka (3 batches)
28.07.2010 to 30.07.2010	International Conference on "Management Practices for Sustainable Growth"
28.07.2011 to 30.07.2011	International Conference on "Leading Beyond Horizon: Engaging Future"

### 31. Code of ethics for research followed by the departments

The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices (GRP). All researchers follow the standard procedures for conducting research laid down by relevant scientific and professional bodies

### 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
M.B.A.	1180	530	127	99	100
M.Phil	36	24	12	95	100
Ph.D	140	52	29		

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.B.A	06	72	21	01
M.Phil.	92	02	06	-
Ph.D.	37	51	09	04

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

Dr. B. Karthikeyan -(SET);      Dr. K. Sakthivendan -(SET);      Ms. Gayathri -(SET)  
Ms. Gnanasundari -(SET);      Dr. T. Frank Sunil Justus -(NET)

**35. Student progression**

Student progression	Percentage against enrolled
UG to PG	-
PG to M.Phil.	10
PG to Ph.D.	02
Ph.D. to Post-Doctoral	01
Employed	
• Campus selection	56
• Other than campus recruitment	34
Entrepreneurs	10

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	81
from other universities within the State	13
from universities from other States	06
from universities outside the country	-

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period**

25 faculties were awarded Ph.D., during the assessment from 2008-09 to 2011-12.

**38. Present details of infrastructural facilities with regard to**

a) Library

Books-8423;      Journals-83;      Cds-164;      Video Pedia-22;      Video Cassette-54

b) Internet facilities for staff and students

Net connection HUB is provided in the computer lab. Totally there are 30 internet connections. 20 systems are available in the Computer Lab during the working hours for both students and staff. Other 10 connections are provided in the staff rooms. Centralized Campus Wide Network is made available. Totally 70 systems are available.

c) Total number of class rooms

Total number of lecture halls available - 20

d) Class rooms with ICT facility - 5

e) Students' laboratories - 2

f) Research laboratories - 1

**39. List of doctoral, post-doctoral students and Research Associates**

a) from the host university - 71

Sl. No.	Candidate	Sl. No.	Candidate	Sl. No.	Candidate
1	J. Jayakrishnan	25	M. Jeyakumaran	49	M. Kamaraj
2	V. Irai anbu	26	C. Kathiravan	50	V. Balaji
3	N. Kumarasamy	27	R. Rajendran	51	K. Senthil
4	V. Sachithanantham	28	S. Sowmiya	52	K. Sethuraman
5	S. Arulkumar	29	P. Baskar	53	S. Saravanan
6	A.S. Mohanram	30	C. Ramesh kumar	54	R.G. Raj
7	D. Senthil	31	V. Shanmugasundaram	55	T. Karthikeyan
8	A.A. Ananth	32	S. Pandian	56	V. Siddharthan
9	L. Arunachalam	33	R. Anand	57	B. Zakir hussain
10	S. Jambulingam	34	N. Madhavan	58	R. Gnanaguru
11	G. Sudha	35	Ms. G. Latha	59	V. Velmurugan
12	K. Sujatha	36	A. Auroubindo ganesh	60	T. Kumar
13	S.K. Nagarajan	37	S. Guru moorthy	61	S. Shanmuga sundaram
14	R. Sritharan	38	V. Thamodaran	62	A.s. Ramesh
15	K. Tamizh jyothi	39	N. Mallika	63	S. Jayesh
16	R. Arunmozhi	40	K. Rukmani	64	K. Natarajan
17	V. Venkatanarayanasaami	41	A.N. Solayappan	65	G. Balachandar
18	S. Mohankumar	42	S. Satheesh kumar	66	Rincy v mathew
19	K. Sentamilselvan	43	K. Sivakumar	67	J. John adaikalam
20	J. Tamilselvi	44	G. Natarajan	68	S. Pazhanisamy
21	B. Vimala	45	N. Sulaiman	69	K. Chezhiyan
22	K.K. Sabarirajan	46	S. Kathiresan	70	R. Rajendran
23	K. Anandanatarajan	47	P. Chinnadurai	71	A. Elankumaran
24	T. Frank Sunil Justus	48	A. Karthikeyan		

**40. Number of post graduate students getting financial assistance from the university? - Nil -**

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

Yes. We get feed back from the hostel students to understand whether they are interested in doing Part-time Diploma, Post graduate Diploma courses in Management also researchers need for SPSS is also studied through survey.

**42. Does the department obtain feedback from**

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes. Transparent Discussion is done to improve the quality. Faculty Members were encouraged to freely express the courses to be incorporated and changes in syllabus etc.

b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. Students are encouraged to freely give their views on staff and curriculum and the opinion is tabulated and discussed to the staff members (1-1) by the Head of the Department.

c) alumni and employers on the programmes offered and how does the department utilize the feedback?

- Yes. Alumni are taking part in the curriculum development as board of studies member.
- Alumni are requested to help students in getting projects.
- Alumni are requested to help students in getting employment.

#### 43. List the distinguished alumni of the department (maximum 10)

Name	Designation	Institution
Dr. Irai Anbu, IAS	Secretary	Government of Tamilnadu
Mr. S. Thamizhchandran	Assistant Commissioner	Tamilnadu Police
Mr. Vidyashankar	Founder	Only Success learning Technologies, Chennai
Mr. Annamalai	Proprietor	Annamalai Paper Distributors, Chennai
Mr. Iyappan	Southern Regional Director	Ministry of Jute, Chennai
Mr. J. Ponnivalavan	Director	First-Job Pvt. Ltd., Singapore
Dr. S. Kaliyamoorthy	Director	Alagappa Institute of Management Studies, Karaikudi
Mr. Subramanian	Proprietor	Interface Systems, Aircel Channel Partner, Chennai
Mr. Nagappan	Chairman	Capital Markets, Madras Stock Exchange, Chennai
Mr. Joseph Raj	Director	Oceanic Group of Industries, Chennai
Mr. Swetha Kumar	Managing Director	Saradharam group of Companies, Chidambaram
Mr. V. Murali	Vice President	Idea Phone
Mr. Sankaran	Managing Director	Coastal Packers Pvt Ltd
Mr. Narayanan	Vice President	Polaris, Chennai
Mr. R.P. Raghavan	Senior Manager	SIPCOT Industrial Area, Krishnagiri

#### 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- Periodical special lectures by subject experts and Industry personnel.
- Student development workshops/training programs are conducted periodically not only for our students but also for other department and college students.
- Students are to present seminars for every semester.
- Students are also given assignments.

#### 45. List the teaching methods adopted by the faculty for different programmes.

Lecture;	Case Study;	OHP Presentations (PPT);
Management Games;	Quiz;	Exercises of paper pencil;
Group Discussion;	Extempore Speeches;	Industrial Visits;
Debates on Current Issue		

#### 46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- Interactive classes by questioning students.
- Seminars and assignments have to be submitted periodically.
- Continuous internal assessment tests are conducted.

#### 47. Highlight the participation of students and faculty in extension activities.

Students and Faculty participate in various extension activities like

NSS	Sports
Management Competitions in various business Schools	Rotary and lions clubs activities
Environment Awareness Campaign	Social Awareness Campaign
Rural Development activities	Industrial survey
Consumers Survey	Other need based time to time varying extension activities.

#### 48. Give details of “beyond syllabus scholarly activities” of the department.



Organized hundreds of need based developmental programmes like Conferences, Seminars, Training Programs, Industrial Visits, Guest Lectures, Students Competitions, Symposiums, Workshops, EDPs, Cultural events, alumni activities, Institutional functions, Celebrations, National and International events.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. -Nil-**

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Through awarding 82 Doctoral Theses new knowledge has been created.
- Through undertaking AICTE and other projects new knowledge has been created.

**51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

#### Strength

- 95 Well qualified permanent Teachers.
- Experience: One of the Pioneering Departments Providing Management Education since 1978.
- Research activities with publications and editing 3 journals.
- Activity based learning by organizing programs like Industrial visits, Guest Lectures, Management Meet, Sports, Cultural meets, Leaders lecture programs, EAC, Marketing simulation, Personality Development Programs, and other skill development programmes.
- Our Strong Alumni Network

#### Weaknesses

- Admitting more number of rural students leading to Communication Skill issues.
- Admitting more of poor students who are unable to spend more money to develop certain skills on par with leading management institutes.
- Located in the rural area is a reason for not providing opportunities for more Industrial tie ups for the day to day activities.
- Absence of exclusive huge institute type all in one building.
- Absence of industry supported executive MBA program

#### Opportunities

- Tie up with Foreign Universities for more of students and faculty exchange programs
- Collaborations with many more industries for consultancies
- Receiving Government projects more in numbers
- Brainstorming for more revenue generation activities
- Extending the existing extension activities

#### Challenges

- Placement for Students
- More time is spent on teaching and research. Hence, less time for extension activities.
- English Language training to rural students
- Students joining the programme without industrial experience
- Absence of Wify connections
- Space

**52. Future plans of the department.**

- More Consultancy Projects
- More collaborations with Industries and foreign Universities
- Providing More Corporate Training programs
- Involving in Revenue generating activities for the University
- To become the centre of excellence in the coming eight years.

## DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

**1. Name of the Department:** - Library and Information Science

**2. Year of establishment :-** 1979

**3. Is the Department part of a School/Faculty of the university?** - Yes, Faculty of Arts

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

BLIS; MLIS (One Year); MLIS (CBCS); MLIS (5 Years Integrated)  
M.Phil.; Ph.D [Regular, Part Time, External]

**5. Interdisciplinary courses and departments involved**

Course	Paper	Department
MLIS[Intg.]	ILT 44 - Civics, Environment and health Science	Political Science, Economics
MLIS[CBCS]	LIBC 402 - Introduction to Information Technology	Computer Science

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.** - Nil

**7. Details of programmes / courses discontinued, if any, with reasons** - Nil

**8. Annual/ Semester/Choice Based Credit System**

- BLIS, MLIS [1 year] MLIS [5 years Integrated] - Semester Based System
- MLIS [CBCS-2 years] - CBCS

**9. Participation of the department in the courses offered by other departments**

Paper	Department
LIBE- 105, Intellectual Property Rights	Physical Education & Psychology
LIBE - 205, Information Service and System	Physical Education & Psychology
LIBE-305, Computerized Databases and Internet	Physical Education & Psychology
LIBE-405, Documentary and Electronic Information Sources	Physical Education & Psychology
PGS-714, Library and Information Services	Agriculture

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned *	Actual **
Professor	01	2
Associate Professors	02	1
Asst. Professors	03	10

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Includes the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./ D.Litt./ Ph.D./M.Phil., etc.)**

Name with Designation	Qualification	Area of Specialization	No. of Years of Experience	No. of Ph.D. students guided since 2008
Dr.M. Nagarajan Professor & Head	M.A., M.L.I.S., M.Phil., Ph.D., C.G.T.,	User Studies, Bibliometrics, ICT	29	10
Dr.R. Ponnudurai Professor	M.A., M.L.I.S., PhD	Bibliometrics, User Study	23	5

Name with Designation	Qualification	Area of Specialization	No. of Years of Experience	No. of Ph.D. students guided since 2008
Dr.S. Mohamed Esmail Associate Professor	B.Sc., M.L.I.S., M.Phil, Ph.D.,	Information System Design, User Study, Bibliometrics	13	5
Dr.K. Vijayakumar Assistant Professor	M.Com., M.L.I.S.,M.Phil, Ph.D	User Study, Bibliometrics	12	3
Dr.T. Saravanan Assistant Professor	B.Sc. B.Ed., D.C.P.A., M.L.I.S., Ph.D	Library Automation, Database Designing, ICT	12	4
Dr.S. Kavitha Assistant Professor	M.Com. M.L.I.S., M.Phil. Ph.D.,	User Study	7	-
Dr.L.N. Umadevi Assistant Professor	M.Sc. M.L.I.S., M.Phil. Ph.D.,	User Study, Bibliometrics	7	-
Dr.R. Ramesh Assistant Professor	M.L.I.S., M.Phil. Ph.D.,	ICT, Bibliometrics	7	-
Dr.T. Prabakaran Assistant Professor	M.Com. M.L.I.S.,M.Phil. D.L.L.,PGDCM.,DNCC,Ph.D.,	User Studies, ICT	6	-
Dr.C. Anandhi Assistant Professor	B.Sc. M.L.I.S., M.Phil,Ph.D	Bibliometrics	6	-
Dr. R.M. Seethai Assistant Professor	M.A., M.L.I.S. M.Phil. Ph.D	User Studies	6	-
Ms.R. Kavitha Assistant Professor	M.A. M.L.I.S., M.Phil,	Bibliometrics, ICT	4	-
Dr.S. Rajeswari Assistant Professor	M.Com. M.L.I.S. M.Phil, Ph.D	Digital Library	4	-

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors - Nil**

**13. Percentage of classes taken by temporary faculty - programme-wise information - Nil**

**14. Programme-wise Student Teacher Ratio**

Programmes	Student : Teacher Ratio	Programmes	Student : Teacher Ratio
BLIS	2:1	MLIS (5 Years Integrated)	5:1
MLIS (One Year)	1:1	M.Phil.	1:1
MLIS (CBCS)	1:1	Ph.D. [Regular, Part Time, External]	5:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Actual
Technical Staff	3
Administrative Staff	4

**16. Research thrust areas recognized by funding agencies**

Information and Communication Technology; Information Seeking Behaviour;  
User Study; Digital Libraries; Bibliometrics, Scientometrics and Webometrics;

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Agency [National]	Amount	Title and Name of the Investigator
UGC	Rs. 3,97,200/-	Information Literacy for LIS Professionals in the Universities of Tamil Nadu (ILLISPUT): A Model" for the year 2009-2011. - Dr.M. Nagarajan, Prof. & Head.
UGC	Rs.29 lakhs	SAP DRS-1 [2011-2016] - Dr.M. Nagarajan,Prof. & Head.
UGC	Rs.5,03,600	Bilingual Electronic Dictionary of Library and Information Science" for the year 2013-2014. - Dr. L.N. Umadevi, Assistant Professor

## 18. Inter-institutional collaborative projects and grants received - Nil

a) All India collaboration b) International

## 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.

UGC has sanctioned Rs.29 lakhs for the assistance to the Department of Library and Information Science at the level of DRS - I for five years [2011-2016] under the Special Assistance Programme [SAP].

## 20. Research facility / centre with

- state recognition - Nil
- national recognition - UGC SAP [DRS-1] Supported Research Projects - 2
- international recognition - Nil

## 21. Special research laboratories sponsored by / created by industry or corporate bodies - Nil

## 22. Publications:

- Number of papers published in peer reviewed journals (national / international) : 179
- Monographs - Nil
- Chapters in Books- Nil
- Edited Books - 4

Editors	Title	Publisher	ISBN	Year of Publications
Dr.M.Nagarajan & Others	Proceeding of the National Seminar on Strategic Information Management in the Digital Era	Dept of Library and Information Science	978-81-908455-0-2	2009
Dr.M.Nagarajan & Others	Proceeding of the National Seminar on Developing utilization Based Public Library System in Digital Environment: Challenges & Opportunities	Dept of Library and Information Science	978-81-908455-2-6	2010
Dr.M.Nagarajan & Others	Proceeding of the National Seminar on Redefining the Role of Libraries in the Digital Era	Dept of Library and Information Science	978-81-908455-6-4	2011
Dr.M.Nagarajan & Others	Proceeding of the UGC SAP National Seminar on Scientometrics and Informetrics	Dept of Library and Information Science	978-81-908455-7-1	2012

- Books with ISBN with details of publishers - 4

Author	Title	Publisher	ISBN	Year of Publications
Saravanan. T	WINISIS for Beginners - Edition I	Rajalakshmi Publisher, Theni	ISBN: 978-81-910899-2-9. Ed.1	2007
Saravanan. T	WINISIS for Beginners - Edition II	Rajalakshmi Publisher, Theni	ISBN: 978-81-910899-2-9. Ed.1	2010
Saravanan. T	Information Architecture	EssEss, New Delhi	978-81-7000-640-0	2012
Saravanan. T	Library Automation	RTSV Publications, Tamil Nadu	978-81-910899-4-3	2013

- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index - range / average -
- SNIP
- SJR
- Impact Factor - range / average
- h-index

**23. Details of patents and income generated - Nil**

**24. Areas of consultancy and income generated - Nil**

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad - Nil**

**26. Faculty serving in**

**a) National Committee**

Dr. M. Nagarajan

1. Board of Studies Member in a) University of Madras; b) Bharathidasan University - Trichy, c) Alagappa University - Karaikudi d) Madurai Kamaraj University - Madurai e) e-Bishop Heber College - Trichy.

2. Board of Selection Member in a) Gandhigram Rural Institute -Dindugal, b) Madurai Kamaraj University - Madurai, c) Manonmanium Sundaranar University-Tirunelveli.

**b) International Committee**

**c) Editorial Board**

Dr. M. Nagarajan

1. Journal of Advances in Library and Information Science; 2. Indian Journal of Information Sources and Services; 3. Indian Journal of Information Sciences and Services.; 4. SALIS Journal; 5. Indian Journal of Library and Information Science.

Dr. S. Mohamed Esmail

1. Journal of Advances in Library and Information Science; 2. Indian Journal of Information Science and Services.

**d) any other (please specify)**

International Conferences Attended by Faculty:

1. Dr. M. Nagarajan, Professor and Head, Department of Library and Information Science presented a paper entitled "Information Use by Scholars in Bioinformatics: A Bibliometric View" in the 2011 International Conference on 'Information Communication and Management [ICICM 2011]' held on 14<sup>th</sup> and 15<sup>th</sup> October 2011 at Singapore.
2. Dr. M. Nagarajan, presented a paper entitled "Nano Science is Platinum to South Korea- An Excavation Study" in the 8<sup>th</sup> International Conference on Webometrics, Informetrics and Scientometrics, organized by COLLNET Center, Seoul, South Korea. 23<sup>rd</sup> and 26<sup>th</sup> October 2012.

3. Dr. M. Nagarajan, attended 5<sup>th</sup> ALIRG International Workshop organized by Maha Sarakham University, Thailand between 7<sup>th</sup> and 9<sup>th</sup> July 2013.
4. Dr. M. Nagarajan, presented a paper entitled "The Idol maybe small, its fame is big: A Scientometric view of research in Thailand" at the 5<sup>th</sup> A-LIEP international conference organized by Maha Sarakham University, Thailand between 10<sup>th</sup> and 12<sup>th</sup> July 2013.

## 27. Faculty recharging strategies -

Faculty members are permitted and encouraged to attend UGC sponsored Refresher and Orientation Courses. Periodically faculty development programmes were also organized by the university. Throughout the academic year they are encouraged to publish their research work at journals along with the participation and presentation at National and International level seminars, workshops, conferences to enrich their knowledge.

## 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects - 80%, Final Semester Student Projects
- percentage of students doing projects in collaboration with other universities / industry / institute - Nil

## 29. Awards / recognitions received at the national and international level by

- Faculty - Dr. M. Nagarajan, Best Researcher Award, Faculty of Arts, Annamalai University for the academic year 2009-2010.
- Doctoral / post doctoral fellows - Nil
- Students - Thirteen M.Phil. and Seven Ph.D. students of our department awarded Rajiv Gandhi National Fellowship [RGNF] to pursue their research degree.

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Year/Date	Theme / Title	Funding Agencies	Programme Coordinator	Name of Outstanding Participant
26 and 27 <sup>th</sup> March 2009	Seminar- Strategic Information Management in the Digital Era"	UGC, DESIDOC, New Delhi and ICSSR, Hyderabad	Dr.M. Nagarajan	Mr.Moorthy, Director, DESIDOC
5 and 6 <sup>th</sup> March 2010	Workshop-Open Source Software for LIS Professionals	UGC, GOETHE Institute, Chennai and ICSSR, Hyderabad.	Dr.M. Nagarajan	Mr.K. Elavzhagan, Librarian, Goethe Institute
24 <sup>th</sup> March 2010	Seminar - Developing Utilization based Public Library System in Digital Environment: Challenges and Opportunities	Directorate of Public Library, Chennai [RRRLF].	Dr.M. Nagarajan	Mr.Sivakumar DLO Trichy
11 and 12 <sup>th</sup> March 2011	Seminar - Redefining the Role of Libraries in the Digital Era	UGC	Dr.R.Ponnu Durai	Dr.Samyuktha, Librarian Pondicherry University
9 and 10 <sup>th</sup> March 2012	Scientometrics and Informetrics	UGC-SAP ICSSR, Hyderabad	Dr.M. Nagarajan	Dr.Gopalakrishnan, Librarian, Anna University
8 <sup>th</sup> & 9 <sup>th</sup> March 2013	Application of Qualitative Indicators for the Excellence of Scholarly Communication	UGC - SAP	Dr.M. Nagarajan	Dr.R. Sevukan, Associate Prof. Pondicherry University

### 31. Code of ethics for research followed by the departments

A Research Committee comprising of senior faculty members is functioning in the department and the committee monitors the progress of the research work of both M.Phil., and Ph.D., Scholars in the department. Further, the research scholars are encouraged to present their research proposal in the department.

### 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
BLIS	2	1	1	100	100
MLIS (One Year)	-	-	-	-	-
MLIS (CBCS)	4	3	1	100	100
MLIS (5 Years Integ.)	5	4	1	100	100
M.Phil.	12	7	5		

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
BLIS	-	66.7	33.3	Nil
MLIS (One Yr.)	50	50	-	Nil
MLIS (CBCS)	40	40	20	Nil
MLIS (5 Yrs. Int.)	-	100 [+2 Min Eligibility]	-	Nil
M.Phil.	80	20	-	Nil
Ph.D. [Regular, Part Time, External]	65	20	15	Nil

### 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.-

Defense Service - 1

SET - 1

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	100 %
PG to M.Phil.	90%
PG to Ph.D.	---
Ph.D. to Post-Doctoral	---
Employed	
• Campus selection	
• Other than campus recruitment	100%
Entrepreneurs	---

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	70 %
from other universities within the State	30 %
from universities from other States	Nil
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period - 7 Faculty Members were Awarded Ph.D. Since 2007.**

Dr.S. Kavitha, Assistant Professor;      Dr.L.N. Umadevi, Assistant Professor;  
 Dr.R. Ramesh, Assistant Professor;      Dr.T. Prabakaran, Assistant Professor;  
 Dr. R.M. Seethai, Assistant Professor;      Dr. C. Anandhi, Assistant Professor;  
 Dr. S. Rajeswari, Assistant Professor

**38. Present details of infrastructural facilities with regard to**

**a) Library**

Textbooks - 1638;                      Reference books - 117;                      Indian Journals - 06;  
 Foreign Journals - 03;                      Peer reviewed Journals - 04;  
 Back volumes of Journals - 272

**b) Internet facilities for staff and students**

For the Arts faculty staff and students one internet laboratory is available during all working days. One internet laboratory is available at the central library with all digital resources facilities.

**c) Total number of class rooms - 10**

**d) Class rooms with ICT facility**

Two portable LCD projectors with screen facilities are available to enable ICT facilities at classes on requirements.

**e) Students' laboratories**

One computer laboratory with 16 computers with an assistance of one computer programmer

**f) Research laboratories**

One computer laboratory

**39. List of doctoral, post-doctoral students and Research Associates**

a) from the host university ;      b) from other universities

**40. Number of post graduate students getting financial assistance from the university? - Nil**

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. - Nil**

**42. Does the department obtain feedback from**

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes. The department obtains frequent feedback on curriculum as well as teaching and learning evaluation. The department utilizes the feedback in modifying or innovating the curriculum and making novel changes.

b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. The feedback received from the students of the department were scrutinized and carefully analyzed by a committee of staff members headed by a senior member. Its recommendations were then discussed briefly in the staff council meetings for changes if



needed. Consultations with the academic peers were made on requirement before the implementation of changes.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback?**

Yes. The feedbacks received from the employers and aluminous of the department were discussed briefly in the staff council meetings. On futuristic approach for the betterment of the students solutions were obtained. If needed consultation with the academic peers were made before the implementation of changes.

**43. List the distinguished alumni of the department (maximum 10)**

NAME	DESIGNATION	INSTITUTION
Dr.K.Elavazhagan	Library Director	Indian Institute of Management, Trichy
Dr.J.K.Vijayakumar	Senior Science and Technology Speciality Librarian	King Abdullah University of Science & Technology, Jeddah, Saudi Arabia.
Dr.R.Sevugan	Associate Professor & Head	Dept. of Library & Information Science Pondicherry University
Dr.S.Dhanavanthan	Assistant Librarian	Gandhigram Rural Institute (Deemed University)
Dr.S.Muralithar	Scientist	Heavy Vehicle Factory (DRDO), Avadi.
Ms.T.Kavitha	Librarian	Secretariat Library Chief Secretariat, Tamilnadu.
Mr.R.Arunachalam	Librarian	Supreme court Library, New Delhi.
Dr.N.Ashok Kumar	Librarian	Tamilnadu Physical Education University, Chennai.
Dr.P.Usha Devi	Scientist	Institute of Maths Science, Chennai.
Ms.V.Senthil	Scientist	DESIDOC, New Delhi.

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Programme	Title	Year
Dr. S. R. Ranganathan Endowment Lectures	Digital Resources for Library Professionals	2008
Dr. S. R. Ranganathan Endowment Lectures	Online Journals Access	2008
National level Seminar	Strategic Information Management in the Digital Era	2009
Workshop	Open Source Software for LIS Professionals	2010
Seminar	Developing Utilization based Public Library System in Digital Environment: Challenges and Opportunities	2010
Dr. S. R. Ranganathan Endowment Lectures	Digital Literacy Skills	2010
Dr. S. R. Ranganathan Endowment Lectures	Knowledge Sharing	2010
Dr. S. R. Ranganathan Endowment Lectures	Web Credibility	2010
Seminar	Redefining the Role of Libraries in the Digital Era	2011
Seminar	Scientometrics and Informetrics	2012
Dr. S. R. Ranganathan Endowment Lectures	Digital Library	2012
Dr. S. R. Ranganathan Endowment Lectures	Web Portals	2012
Workshop	Application of Qualitative Indicators for the Excellence of Scholarly Communication	2013

#### 45. List the teaching methods adopted by the faculty for different programmes.

Librarianship is a field that lends itself naturally to self-directed inquiry, collaboration, innovation, and interactive, Web styles of thinking. To best meet out these requirements, the curriculum and the most perfect syllabus are framed to enable the students to meet the market requirements. The following teaching methodologies are adopted by the faculty members of the department.

Lecture Method ;            On the Job Training Method;            Discussion Method;  
 Assignment Method;    Lectures using LCD projectors for easy understanding;  
 Projects for final year students;            Question – Answer Method;  
 Class Notes Method;    Class Room Seminars, Symposiums, Workshops Endowments;  
 special lectures by experts;            Problem based learning;  
 Class Room Seminars;    Endowment lectures by subject experts;  
 Students Group Activities.

#### 46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

The department is committed to an ongoing cycle of curricular review to ensure that our curriculum results in students meeting the defined learning outcomes and core competencies of the profession, which are our program goals. The curriculum evolves in response to systematically scheduled review and planning efforts. The department constantly gets the feedback from the final year students, working alumnus and library science academic peers about the curriculum and method of teaching and its outcome. The outcome of every CIA tests and the class room outcomes of the students are monitored by the class teachers. The final outcome and the presentation skills of the students in the class rooms and examinations are carefully monitored and the outcomes are discussed in the staff council meetings and modifications if any needed will be decided and implemented. If necessary the advice from the subject experts will be considered.

#### 47. Highlight the participation of students and faculty in extension activities. - Nil

#### 48. Give details of “beyond syllabus scholarly activities” of the department.

- Students, Research Scholars and Faculty members are constantly encouraged to present papers in the national and international level seminars, symposiums.
- Research Scholars and Faculty members are participating in the workshops and hands on training programmes on modern techniques, upcoming methods, etc.
- Research Scholars and Faculty members are publishing articles in the reputed journals at national and international level.
- Faculty members are delivering guest, special lectures at other institutions and vice versa on knowledge resources sharing between institutions.
- Most of the research scholars are choosing their research areas in upcoming issues and getting financial assistance / scholarships from the State / Central Governments and Rajiv Gandhi National Fellowships, etc.
- Students are motivated and guided by the faculty members for competitive examinations like NET, SET etc. The department library assists for their needs.
- Faculty members are taking SC/ST remedial coaching classes for the PG students.

#### 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Programmes were approved by UGC.

## 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Information Literacy for LIS Professionals
- Developing Bilingual Dictionary of Library Information Science

## 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

### Strengths:

- Facilities to utilize online and digital resources at the central library. Subscription to various national and international level journals.
- One computer laboratory with 15 latest Personal Computers to cater the students needs, for on going projects and researches.
- Well qualified faculty

### Opportunities

- Training - the department could organize short training programmes on topics like cataloguing and classification, indexing and abstracting, the practical use of ICT in libraries.
- Research - There are numerous areas in library and information science that would be fruitful research topics for researchers.
- Facilities to participate and to present papers at national and international level seminars, workshops, conferences etc.
- Availability of journals for the publications of research articles.
- Facilities to enrich the knowledge and to upgrade the skills of researchers, faculty members and students with respect to current needs and modern techniques.

### Weakness:

- Less student enrollment
- Lack of career opportunities in the civil service is another problem facing the LIS education and training.
- Lack of sufficient infrastructure facilities

### Challenges:

- Creation of skilled professional human resource that can plan, design, develop, organize, and manage modern and traditional information resource centers/agencies in the country.
- Preparing students to understand the interactions between social factors and information environments under modern techniques in library and information science.
- To prepare students for a qualification sufficient to cater for the needs of staffing of libraries and other information centres.
- To equip students with knowledge, skills and culture in international languages to enable them to be versatile in handling information globally.
- Need for development of students' English knowledge

## 52. Future plans of the department.

- Vision towards making the department as Centre for Advance Study in Library and Information Science.
- The department intends to promote, prepare, and publish monographs, text books, occasional papers, etc, useful in the LISc programme.
- Focus for the interdisciplinary research on the local problems with the help of other university departments. The department will identify the areas in which investigation is required and to establish research programmes encompassing both group and individual projects.
- To train the student in the techniques and management of Libraries on futuristic needs at international standards.
- To develop the skills to manage the Electronic Libraries in digital environment and to provide the advanced skills in computer and its application in library and information activities.
- Encouraging the faculty members and researchers to attain various research grants for their research activities at National and International Level.
- Steps to publish a bi-annual international library and information science journal.
- To organize one international level seminar atleast once in every two years.
- The department would maintain continuous professional contact with alumni and to offer them guidance even after they have left the department, both in research as well as practice of library and information work.

## DEPARTMENT OF PHILOSOPHY

- 1. Name of the Department:-** Philosophy
- 2. Year of establishment :** - 1929
- 3. Is the Department part of a School/Faculty of the university?** Yes – Faculty of Arts
- 4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :**  
 M.A. Philosophy ;        M.A. Philosophy, Culture and Tourism;  
 M.A. (5 Year Integrated) Philosophy, Culture and Tourism;  
 M.A. Philosophy, Religion and Culture (D.D.E.)  
 M. Phil;                      Ph.D. (Full Time & Part Time);
- 5. Interdisciplinary courses and departments involved**  
 Introduction to Tourism;        Tourism Development
- 6. Courses in collaboration with other universities, industries, foreign institutions -** Nil
- 7. Details of programmes / courses discontinued, if any, with reasons :** Nil
- 8. Annual/ Semester/Choice Based Credit System**  
 Semester/Choice Based Credit System. (CBCS)

### 9. Participation of the department in the courses offered by other departments

Degree	Department	Courses
M.A. (Int.)	History	Principle of Logic
M.A. (Int.)	Political Science	Logic
M.Sc.,	Mathematics	Comparative Religion

### 10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned *	Actual**
Professor	01	02
Associate Professors	02	01
Asst. Professors	03	07

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Includes the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

### 11. Faculty profile with name, qualification, designation and specialisation (D.Sc./ D.Litt/ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. S.Veerapandian	M.A., M.Phil., Ph.D.	Professor & Head	Contemporary Indian Philosophy/ Social Philosophy	15	05
Dr. C. Balu	M.A., M.Ed., Ph.D.	Associate Professor	Saiva Siddhanta	11	03
Dr. R. Selvakumar	M.A., M.Phil., Ph.D.,	Assistant Professor	Temple Studies Tourism	14	02
Dr.P. Balachandran	M.A., B.E.d.,	Assistant	Saiva Siddhanta	13	03

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
	M. Phil., Ph.D.	Professor	Indian Culture		
Dr. J. Thirumal	M.A. (English) M.A.,(Philo.) M. Ed., M. Phil., Ph.D.	Assistant Professor	Contemporary Indian Philosophy / Social Philosophy/Tourism	12	01
Mr. M. Bharani	M.A., M.Phil.,	Assistant Professor	Western Philosophy Logic	08	---
Dr.S.Thanigaivelan	M.A., M.Phil., Ph.D.	Assistant Professor	Indian Philosophy Ethics, Logic &	07	---
Dr. K. Raveendran	M.A., M.Phil., Ph.D. P.G.D.T.M.	Assistant Professor	Temple Studies, Tourism, Indian Culture	06	01
Dr. (Ms). C. Neela Devi	M.A., Ph.D.	Assistant Professor	Social and Political Philosophy, Comparative Religion, Ethics	05	01

## 12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors

- Our faculty serving outside - Nil
- Faculty from other institutions serving here - Nil

## 13. Percentage of classes taken by temporary faculty – programme-wise information

Nil.

## 14. Programme-wise Student Teacher Ratio

M.A. Philosophy, Culture & Tourism (CBCS)-1:2

M.A. Philosophy, Culture & Tourism (Integrated)-1:2

## 15. Number of academic support staff (technical) and administrative staff: Filled

Administrative Staff - 4

## 16. Research thrust areas recognized by funding agencies

Contemporary Indian /Western Philosophy

## 17. Number of faculty with ongoing projects from

a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

Name of the agency		Amount	Title of the Project, Name of the Investigator(s)
National	International		
ICPR, New Delhi	--	Rs. 50,000/-	A Comparative study of syllogism of East and West: Nyaya and Aristotelian syllogisms Dr. S. Thanigaivelan, Assistant Professor

## 18. Inter-institutional collaborative projects and grants received - Nil

a) All India collaboration b) International

## 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. - Nil

## 20. Research facility / centre with

- state recognition
- national recognition
- international recognition

## 21. Special research laboratories sponsored by / created by industry or corporate bodies - Nil

## 22. Publications

- Number of papers published in peer reviewed journals (national/international): 13
- Monographs: Nil
- Chapter in Books: 32
- Edited Books: Nil
- Books with ISBN with details of Publishers: 1
- Number listed in International Databases (For e.g. Web of Science, Scopus, Humanities International Complete, Data Database – International Social Science)
- Citation Index – range / average - Nil
- SNIP- Nil
- SJR- Nil
- Impact Factor – range / average - Nil
- h-index - Nil

### Journal

### Books Authored

S. No.	Author (s)	Title of the Book	Publisher	ISBN	Year of Publication
1.	Dr.S.Veerapandian	Arignar Annavin Samuthaya Tattuvam	Kalignan, Pathipagam, Chennai	978-93-80627-82-3	2011

### Chapter in Edited Books

S. No.	Editor (s)	Title of the Chapter & Page Numbers	Publisher	ISBN	Year of Publication
1.	Dr. S. Veerapandian	Vallalarin Tattuva kotpadugal	Dept. of Tamil Annamalai University	978-81-909790-0-9	2010
		C.N. Annadurain Samuthaya Sinthanaigal	Dept. of Tamil Madurai Kamarajar University	978-93-80342-27-6	2010
		Impact of Globalization on Indian Culture: A Study	Dept. of Philosophy, Annamalai University	978-81-908455-3-3	2010
2.	Dr. C. Balu	Thirumuraiyil Sirkali sthala pathiga payangal	Bharathidasan University and Malaysia University	978-93-81568-06-4	July, 2012
		Nattupuraviyalum Sila Nambikaikalum	Annamalai University	978-93-83632-14-5	January 2014
		Dynamic of Yoga in the modern world with special reference to Tirumantiram	Dept. of Philosophy, Annamalai University	978-81-908455-3-3	2010
3.	Dr. R. Selvakumar	Human Rights and its violations in present	Dept. of Philosophy, Annamalai University	978-81-908455-3-3	2010

S. No.	Editor (s)	Title of the Chapter & Page Numbers	Publisher	ISBN	Year of Publication
		world			
4.	Dr. P. Balachandran	Education and modernization	Dept. of Philosophy, Annamalai University	978-81-908455-3-3	2010.
5.	Dr. S. Thanigaivelan	Education and modernization	Dept. of Philosophy, Annamalai University	978-81-908455-3-3	2010.
6.	Dr. K. Raveendran	The Inevitability of sustaining secularism and Human Rights in India	Dept. of Philosophy, Annamalai University	978-81-908455-3-3	2010.
7.	Dr. C. Neela Devi	Global Peace: Contributions of Sri Aurobindo and Vivekananda	Dept. of Philosophy, Annamalai University	978-81-908455-3-3	2010.
		"Andalin vazhviyal samuga Parvai"	Department of Tamil Wing (D.D.E.), Annamalai University	978-81-925708-0-8	2013

### Monographs/Working papers

S.No.	Author	Title	Year of Publication
1.	Dr. S. Veerapandian	Vallalarin Samuthaya Serthirutha Karuthukkal	August 2007.
		Vallalarin Tattuva Kotpadugal - oru parvai	March 2010.
		Impact of Globalization on Indian Culture: A Study	25th-27th April 2010.
		"Arignar Annavin Padaippukalil Pennia Sinthanaigal"	25th, 26th February 2009.
		Vallalarin Tattuva Kotpadugal - oru parvai	17th-18th March 2010.
		Social Philosophy of C.N. Annadurai	2011
2.	Dr. C. Balu	Thirumanthirathil Agamam	29th , 30th & 31st October 2007.
		Kandharanubhuthiyil Murugan Perumai	27th , 28th & 29th December 2007.
		Anubhuthinilayil Arbutha thiru-vanthathi	10th , 11th & 12th November 2008.
		ArulPerin Thurumpum Inthozhil Puriyun	17th -18th March 2010.
		Dynamics of Yoga in the Modern world with special reference in Tirumantram.	25th-27th April 2010.
		The Concept of Grace in Tiruvarutpayan	19th December, 2011
3.	Dr. R. Selvakumar	Sutru Soozhal Kalvi	07th and 08th August 2008.
		Vallalarin Samuga Seerthirutha Sinthanaigal	17th-18th March 2010.
		Human Rights and its violations in present world	25th-27th April 2010.
4.	Dr. P. Balachandran	Nayanmarhal Valiyurithiya Sutrusoozhal Aram	7th and 8th August 2008.
5.	Mr. M. Bharani	Vethathirian Philosophy, Yoga and World Peace	26 <sup>th</sup> - 28 <sup>th</sup> March, 2013.
6.	Dr. S. Thanigaivelan	"Siddharkalin Maignana Unarvum Samudhaya Karuthadalkalum",	2008.
		Vallalarin Tattuva Kotpadugal - oru parvai	2010.
7.	Dr. K. Raveendran	Tamizher panbattil Sutrusoozhal Aram	7th and 8th August 2008.
8.	Dr. C. Neela Devi	"Social Change and Globalization"	March 2010.
		The Philosophy of Human Rights and its Implications	16th & 17th September 2011.

### 23. Details of patents and income generated - Nil

**24. Areas of consultancy and income generated - Nil****25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad - Nil****26. Faculty serving in**

a) National committees b) International committees c) Editorial Boards d) any other (please specify)

S. No.	Faculty	Committee/Board/Editorial
1.	Dr. S. Veerapandian	Tamilnadu Philosophy Society Member/ Member, Board of Studies, Govt. Arts College, Kumbakonam/
2.	Dr. R. Selvakumar	Tamilnadu Philosophy Society Member/
3.	Dr. P. Balachandran	Member, Board of Studies, Govt. Arts College, Kumbakonam
4.	Mr. M. Bharani	Member, Board of Studies, Govt. Arts College, Kumbakonam/
5.	Dr. S. Thanigaivelan	Indo-Greek Committee Member/

**27. Faculty recharging strategies**

Faculty members are permitted and encouraged to attend UGC sponsored Refresher and Orientation Courses. Periodically faculty development programmes were also organized by the university. Throughout the academic year they are encouraged to publish their research work at journals along with the participation and presentation at National and International level seminars, workshops, conferences to enrich their knowledge.

**28. Student projects - Nil**

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities / industry / institute

**29. Awards / recognitions received at the national and international level by**

Sl.No.	Faculty	Name of the Award	Year
1.	Dr. R. Selvakumar	Dr. Ambedkar Fellowship National Award	2010

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Year/Date	Theme/Title	Funding Agency	Programme Co-ordinator
25th & 26th April 2007	The Role of Tourism in the Development of a Nation	UGC	Dr.S. Rajendran
24 <sup>th</sup> December 2008	Interrelationship between Philosophy, Science and Culture	ICPR	Dr.S. Rajendran
February 28 <sup>th</sup> & 1 <sup>st</sup> March 2009.	Religion and Value Education	UGC	Dr.S. Rajendran
20 <sup>th</sup> & 21 <sup>st</sup> February 2010.	The Philosophy of Dr. C.N. Annadurai	UGC	Dr.S. Rajendran
25th – 27th April 2010.	Post-Globalization and the Emerging World Order.	ICSP	Dr.S. Rajendran & Dr. E.Arumugam
21 <sup>st</sup> December 2010.	The Philosophy Of Man And Environment	ICPR	Dr.S. Rajendran
9 <sup>th</sup> March 2011.	Recent Trends In Media Ethics	UGC	Dr. Subashini. R. Gandhi



Year/Date	Theme/Title	Funding Agency	Programme Co-ordinator
16 <sup>th</sup> -19 <sup>th</sup> December 2011.	Indian Philosophical Tradition and the western Philosophical methods	IPC	Dr. Subashini. R. Gandhi
06 <sup>th</sup> June 2012 to 26 <sup>th</sup> June 2012	Teaching Value Education (Multidisciplinary)	ICPR	Dr. Subashini. R. Gandhi
25 <sup>th</sup> & 26 <sup>th</sup> March 2013	Indian Philosophical Tradition & Western Philosophical Methods	ICPR	Dr. Subashini. R. Gandhi
30 <sup>th</sup> December 2013	"Basic Values Embodied in Indian Culture and their relevance to National Reconstruction"	ICPR	Dr. S. Veerapandian

### 31. Code of ethics for research followed by the departments

The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices (GRP). All researchers follow the standard procedures for conducting research laid down by relevant scientific and professional bodies

### 32. Student profile course-wise: 2010 - 2011

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
<b>2010-2011</b>					
PG	-	-	-	-	-
PG (Integrated)					
M.Phil.	3	1	2	100 %	
Ph.D.	4	3	1	100 %	
<b>2011-2012</b>					
PG	2	1	1	100 %	
PG (Integrated)	-	-	-	100 %	
M.Phil.	1	1	-	100 %	
Ph.D.	9	9	-	100 %	
<b>2012-2013</b>					
PG	2	1	1	100 %	
PG (Integrated)	-	-	-	100 %	
M.Phil.	-	-	-	100 %	
Ph.D.	5	5	-	100 %	
<b>2013-2014</b>					
PG	9	4	5	100 %	
PG (Integrated)	11	0	11	100 %	
M.Phil.	-	-	-	100 %	
Ph.D.	5	5	-	100 %	

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
PG	-	-	-	1
PG(Integrated) +2 level from Schools				
M.Phil	100	-	-	-
Ph.D	100	-	100	

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. - Nil**

**35. Student progression**

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	55%
PG to Ph.D.	50%
Ph.D. to Post-Doctoral	
Employed	
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	30%
Entrepreneurs	

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	70%
from other universities within the State	30%
from universities from other States	---
from universities outside the country	---

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period - 2007- 2014 - Ph.D. 2 Nos.**

**38. Present details of infrastructural facilities with regard to**

- a) Library - Library Both in Department & General
- b) Internet facilities for staff and students: Provided both in Staff-rooms & Students' Classroom
- c) Total number of class rooms - 04
- d) Class rooms with ICT facility - Nil
- e) Students' laboratories - Nil
- f) Research laboratories - Nil

**39. List of doctoral, post-doctoral students and Research Associates**

- a) from the host university;
- b) from other universities - 01

1. Mr. Shyamal Chandra Sarkar Ph.D. External candidate - Gauhati University, Assam.

**40. Number of post graduate students getting financial assistance from the university? - Ph.D. - 01**

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. - Nil**

**42. Does the department obtain feedback from**

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes. The department obtains frequent feedback on curriculum as well as teaching learning evaluation. The department utilizes the feed-back in modifying the curriculum and making novel changes in the teaching-learning evaluation.

b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes The department obtains frequent feedback from students on Staff, curriculum and teaching-learning evaluation and this feedback is utilized in reforming the teaching methodology according to the level of understanding learning of the students.

c) alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes the department obtains frequent feedback from the alumni and employers on the programmes and the feedback is utilized for introducing new ideas based on the experience gained by them.

#### 43. List the distinguished alumni of the department (maximum 10)

Name	Position
Mr. Sambandam	Advocate, Senate Member, Annamalai University
Dr. N. Jayashanmugam	Permanent Resource person in Sri Aurobindo Ashram Library, Puducherry
Dr.A. Appan Ramanujam	Retd. Professor, Dept. of Philosophy, RKM Vivekananda College, Chennai.
Dr. S. Rajendran,	Retd. Dean & Professor, Dept. of Philosophy, Annamalai University
Dr. E. Arumugam,	Retd. Associate Professor, Dept. of Philosophy, Annamalai University
Dr. J. Rengasamy	Professor, Tamil University, Thanjavur
Dr. T. Padmanaban	Former Vice-Chancellor, Tamil Nadu Education University.
Dr. R. Balasubramanian	Asst. Professor, A.P.A. College of Arts & Culture, Palani
Dr. C. Sriraja	Asst. Professor, A.P.A. College of Arts & Culture, Palani
Mr. D.K. Subramanian	Asst. Professor (Retd.), Dept. of Philosophy, Annamalai University

#### 44. Give Details of student enrichment programmes (Special lectures/workshops/seminar) involving external experts

Seminar / Workshop/ Special Lectures / Symposiums etc.	Title	Year
Two-Day UGC Sponsored National Seminar	The Role of Tourism in the Development of a Nation	25th & 26th April 2007
ICPR Sponsored One day Regional Seminar	Interrelationship between Philosophy, Science and Culture	24 <sup>th</sup> December 2008.
Two-Day UGC Sponsored National Seminar	Religion and Value Education	February 28 <sup>th</sup> & 1 <sup>st</sup> March 2009.
Two day UGC Sponsored National Seminar	The Philosophy of Dr. C.N. Annadurai	20 <sup>th</sup> & 21 <sup>st</sup> February 2010.
The 9 <sup>th</sup> International Conference of International Congress of Social Philosophy (ICSP)	Post-Globalization and the Emerging World Order.	25 <sup>th</sup> - 27 <sup>th</sup> April 2010.
One day ICPR Sponsored Regional Seminar	The Philosophy Of Man And Environment	21 <sup>st</sup> December 2010.
One day UGC Sponsored National Seminar	Recent Trends In Media Ethics	9 <sup>th</sup> March 2011.
The 86 <sup>th</sup> Session of Indian Philosophical Congress	Indian Philosophical Tradition and the western Philosophical methods	16 <sup>th</sup> -19 <sup>th</sup> December 2011.
The ICPR Sponsored Refresher course	Teaching Value Education (Multidisciplinary)	06 <sup>th</sup> June 2012 to 26 <sup>th</sup> June 2012
Two day ICPR Sponsored Regional Seminar	Indian Philosophical Tradition &	25 <sup>th</sup> & 26 <sup>th</sup> March

Seminar / Workshop/ Special Lectures / Symposiums etc.	Title	Year
	Western Philosophical Methods	2013
World Tourism Day	Tourism in Modern world	28 <sup>th</sup> September 2013
National Education Day	Education for All	12 <sup>th</sup> November 2013
One Day ICPR sponsored One Day Regional Seminar (World Philosophy Day)	“Basic Values Embodied in Indian Culture and their relevance to National Reconstruction”	30 <sup>th</sup> December 2013
Special Lecture	Sri Aurobindo: His Nationalistic effort and Philosophy	21 <sup>st</sup> January 2014.
Philosophy Association		30 <sup>th</sup> January 2014

**45. List the teaching methods adopted by the faculty for different programmes.**

- Chalk and talk method, OHP, power point presentation and group Discussion.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

- By conducting internal assessment tests, giving assignments and class seminars

**47. Highlight the participation of students and faculty in extension activities.**

- By participating in extension activities both students and faculty were brought to the lime light of Socio-philosophical situation and given instruction to get along with that.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Students are encouraged to present papers in seminars and conferences in Local and outstations.
- Students are attending training programmes during semester holidays conducted by Government & Private Institutions

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. - No**

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The Department is having a minor Project from ICPR (Indian Council of Philosophical Research) entitled on “A Comparative study of syllogism of East and West: Nyaya and Aristolian syllogisms”.
- Students placement cell is looked after by the Co-ordinator of the Department.
- Conducting National Seminar for disseminating the values of Philosophy to others.
- Endowment lectures were delivered for the benefit of the students.
- Students were encouraged to enroll in Blood donation campaign of NSS Programme.
- Research Activities were encouraged in multidisciplinary manner.
- Various competitions for were conducted knowledge improvement.

## 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

### Strengths

- Oldest and hence more experienced Department since 1929
- Ph.D. candidates are enrolled from various countries
- A well stocked department Library with more than 2500 books and various research journals.
- Department has conducted various academic activities such as organizing conferences, seminars, workshops, Philosophy Association, Special Lectures, Study Tours and Extension activities.
- Thorough revision of syllabi for all Programmes in accordance with UPSC/SLET/TNPSC/

### Weakness

- Lack of enrollment
- Lack of employment opportunities

### Opportunities

- Plenty to serve as Tourist Guides
- To start Travel Agencies
- Employment Opportunities in Temple Administration

### Challenges

- Improving the enrollment
- Creating Philosophical Awareness leading to moral building among youth
- Creating Job Opportunities

## 52. Future plans of the department.

- Planning to Start an Advance Research Centre in Philosophy & Religion
- Increasing students' enrollment in the Department
- Getting more Research projects from various Funding Agencies.
- Conducting NET Coaching classes for philosophy subject.
- Carrying out extension activities.
- Organising more Conferences/Seminars/Symposia/workshops

## CENTRE FOR RURAL DEVELOPMENT

**1. Name of the Department :-** Centre for Rural Development

**2. Year of establishment :** - 1989

**3. Is the Department part of a School/Faculty of the university?-** Yes, Faculty of Arts.

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

M.A. Rural Management (CBCS);      M.A. Rural Management (Integrated);  
M.Phil in Rural Management;      Ph.D in Rural Management

**5. Interdisciplinary courses and departments involved:**

Programme	Department Involved
M.A. Rural Management (CBCS)	Business Administration/ Economics
M.A. Rural Management (Integrated)	Business Administration/ Commerce/ Economics / Statistics / Sociology/ Political Science/ Agronomy / Agriculture Economics
M.Phil in Rural Management	Statistics

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.-** Nil

**7. Details of programmes / courses discontinued, if any, with reasons :-** Nil

**8. Annual/ Semester/Choice Based Credit System**

- M.A. Rural Management(CBCS) - Choice Based Credit System
- M.A. Rural Management (Integrated) - Semester

**9. Participation of the department in the courses offered by other departments:-** Nil

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned *	Actual **
Professor	01	1
Associate Professors	01	--
Asst. Professors	--	2

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Includes the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

**11. Faculty profile with name, qualification, designation and specialization (D.Sc. / D.Litt. / Ph.D. / M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. R. Murugesan	M.A.,M.Phil.,Ph.D., D.C.P., MISTE.	Professor	Micro Planning & Rural Management	23	2
Dr. P. Balamurugan	M.A., Ph.D.,	Assistant Professor	Rural Tanks, Rural Institutions and Rural Development	13	-
Dr. P. Murugesan	M.A., [Rural Devt..] P.h.D.,	Assistant Professor	Common Property Resources and Women Empowerment.	7	-

**List of Teaching Staff Deputed from Economics Department:**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. M. Rajeshwari	M.A.,M.A., M.Phil., Ph.D.,	Assistant Professor	Gender Issues	11Years	-
Dr. S. Shanthi	M.A., M.Phil., Ph.D.,	Assistant Professor	Environment	7 Years	-
Dr. R. Hariharan	M.A., M.Phil., Ph.D.,	Assistant Professor	Rural Economics	7 Years	2

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors**

Dr.T. Rajendran, Dean, Faculty of Rural Social Science, Professor & Head, Department Sociology, Gandhigram Rural University, Gandhigram , Dindigul District , Pin : 624 302
Dr. T. Sivaprakasam, Professor, Dept. of Applied Research in Rural Development, Gandhigram Rural University, Gandhigram - 624 302
Dr. L. Radhakrishnan, Professor of Rural Industries & Management, Gandhigram Rural University, Gandhigram , Dindigul District, Pin : 624 302
Dr. A. Balakrishnan, Professor, Department of Applied Research, Gandhigram Rural University, Gandhigram - 624302, Dindigul District
Dr. M. Rajiakodi, Dean, Faculty of Social Sciences, Madurai Kamaraj University, Madurai-625 021
Dr. T. Chinnathambi, Associate Professor, Department of Rural Development , PMT College, Usilampatti - 625 532, Madurai District, Tamil Nadu
Dr. R. Thavamani, Associate Professor, Department of Rural Development, PMT College, Usilampatti - 625 532, Madurai District., Tamil Nadu
Dr. P. Anandharajakumar, Associate Professor & Head, Dept. of Rural Development, Gandhigram University, Gandhigram - 624 302
Dr.T.H. Murthy, Director, Centre for Rural Development Studies, Bangalore University Jnana Bharathy, Bangalore - 560056
Dr.A. Eswaran, Associate Professor, Department of Extension, Gandhigram Rural University, Gandhigram - 624 302
Dr.L. Alangara Masilamani, Associate professor, Centre for Rural Management , Viswa Bharathi University, West Bengal

**13. Percentage of classes taken by temporary faculty - programme-wise information- Nil****14. Programme-wise Student Teacher Ratio - 1 : 15****15. Number of academic support staff (technical) and administrative staff: sanctioned and filled.**

	Actual
Technical Staff	03
Administrative Staff	08

**16. Research thrust areas recognized by funding agencies:**

- People's participation
- Rural Tanks, Farmers' Club

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Title of the Project	Sanctioning Agency	Amount (Rs)
An Appraisal of Rural Health and Imparting Skill to the Health Personnel in selected villages of Cuddalore District	UGC	1,00,000
Innovative Rural Projects through transfer of Science and Technology in Selected villages of Cuddalore District	UGC	1,00,000
An assessment of Human Resources and Develop a methodology	UGC	1,00,000

Title of the Project	Sanctioning Agency	Amount (Rs)
to supply professional man power to handle the Rural Projects in selected villages of Cuddalore District.		
People's participation in the conservation of Rural Local Water Bodies: A Case of Rural Tanks towards sustainable Rural Development by Dr.P. Balamurugan.	ICSSR, New Delhi.	7,98,260
Research Project on Inclusion of Rural Poor in the Social Mobilization and Poverty Reduction under Pudhu Vaazhvu and Mahalir Thittam: A Study in Five select Districts of Tamilnadu	State Planning Commission, Govt. of Tamilnadu	3,97,000
Training Programme on Research methodology for Ph.D Scholars in Social Sciences	ICSSR, New Delhi	5,50,000

### 18. Inter-institutional collaborative projects and grants received

a) All India collaboration b) International

### 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.;

Funding Agency	Funds Received	Year
UGC	1,00,000	2009- 10
UGC	1,00,000	2009
UGC	1,00,000	2009
ICSSR, New Delhi.	7,98,260	2011-12
State Planning Commission, Govt. of Tamilnadu	3,97,000	2013-14
ICSSR, New Delhi	5,50,000	2013- 14

Total grants received. 20,55,260

### 20. Research facility / centre with state recognition

The State Government recognized our Department to take up the services in terms of consultancy works Research Projects organization of the programmes.

Sl. No.	Recognised by	Recognised by
01	NABARD	Organisation of Farmers' Clubs Conduct of Training Programmes by Dr. R. Murugesan
02	State Planning Commission, Govt. of Tamilnadu	Research Project on Inclusion of Rural Poor in the Social Mobilization and Poverty Reduction under Pudhu Vaazhvu and Mahalir Thittam: A Study in Five select Districts of Tamilnadu.
03	ICSSR, New Delhi	People's participation in the conservation of Rural Local Water Bodies: A Case of Rural Tanks towards sustainable Rural Development by Dr. P. Balamurugan, Training Programme on Research methodology for Ph.D. Scholars in Social Sciences by Dr. P. Balamurugan

### 21. Special research laboratories sponsored by / created by industry or corporate bodies. - Nil

### 22. Publications:

- Number of papers published in peer reviewed journals (national / international) : 11 (Annexure -I)
- Monographs: - 3

S. No	Title of Monograph	Year	Published to whom
1.	Training manual	2008	Computer trainees
2.	Training manual	2009	Computer trainees
3.	Training manual	2009	Computer trainees

- Chapters in Books: --- Nil
- Edited Books: --- Nil
- Books with ISBN with details of publishers: --- Nil



- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) - Nil
- Citation Index - range / average: --- Nil
- SNIP: --- Nil
- SJR: --- Nil
- Impact Factor - range / average : --- Nil
- h-index: ---

### 23. Details of patents and income generated : ----

### 24. Areas of consultancy and income generated : ----

### 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad : ----

### 26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (please specify)

**NIRD, UPSC, UGC, IIT**

Name of the Faculty	Name of the organization which the faculty served	Year
Dr. R. Murugesan	UPSC- Subject Expert Committee, Personality Committee	2008-2013
Dr. R. Murugesan	UGC -Research Project subject Expert committee	2008-2011
Dr. P. Balamurugan	Gandhigram Rural Institute Question paper setting	2009-2012
Dr. P. Balamurugan	Member in Board of Studies in Rural Development, Annamalai University	2013-2014

### 27. Faculty recharging strategies

The teachers of the Department have been actively involved as participates and Resource persons of Refresher Course, Orientations course, FDP and other programmes organized by the University.

### 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects: 100 percentage

Details: Appendix-II

- percentage of students doing projects in collaboration with other universities / industry / institute: - 25 percentage

S. No	Student Name	University	Year
1.	Mr. Om Prakash	IIT, New Delhi	2012

### 29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows:  
Awarded UGC Junior Research fellowship in Rural Development
- PG Students:  
Mr. Om Prakash, II M.A. Rural Management Student received First Price State level student's seminar on state of the Indian Economy organized by Thiagarajar college, Research Department of Economics, Madurai on 14/09/2011

### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sl. No.	Name of the Seminars/ Conferences/ Workshops organized	Funding Agency	Year
1.	UGC National Workshop on Integrated Rural Energy Planning (NWIREP) on 2-3 March 2011	UGC	2011
2.	ICSSR sponsored Research Methodology Course for Ph.D Scholars in Social Sciences.	ICSSR, New Delhi	2013
3.	Farmers Club & Extension based Training Programmes.	NABARD, Chennai	2013
4.	Guest Lecture on Rural Management and Rural Resource Development delivered by Dr. A Balakrishnan, Professor of Rural Research, Gandhiram Rural University.	Centre for Rural Development, Annamalai University	2012
5.	Guest Lecture on Rural Management and Rural Resource Development delivered by Mr. T. Paramasmay, Managing Director, Madurai Based NGO.	Centre for Rural Development, Annamalai University	2013

### 31. Code of ethics for research followed by the department

A Research Committee consisting of senior faculties has been constituted to oversee the research activities of the teaching staff and research scholar of the department.

- Post conference briefing on the participation and presentation of the research papers by the faculty
- The research papers have been reviewed by the research committee before presentation and publication to curb plagiarism.
- The ethical values of research have also been thought by the senior faculty members to the young teachers and research scholars.

### 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A. Rural Management (CBCS)	70	38	32	100	100
M.A. Rural Management Integrated	90	45	36	90	92
M.Phil in Rural Management	17	9	8	30	40
Ph.D in Rural Management	40	22	18	100	

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Phil. in Rural Management	40	20	30	10
Ph.D. in Rural Management	25	25	35	15

### 34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Sl.No.	Type of competitive examination	Total No. of Students
1	UPSC Civil service examinations	15 (Appearing)
2	NET - UGC	2 students cleared and 15 students appeared
3	SET	15 students appeared

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil.	4
PG to Ph.D.	6
Ph.D. to Post-Doctoral	1
Employed	7
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurs	15

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	50
from other universities within the State	50
from universities from other States	-
from universities outside the country	-

### 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period - 1

### 38. Present details of infrastructural facilities with regard to

- a) Library: Yes
- b) Internet facilities for staff and students: Yes
- c) Total number of class rooms: 8
- d) Class rooms with ICT facility: --
- e) Students' laboratories: --
- f) Research laboratories :

### 39. List of doctoral, post-doctoral students and Research Associates

#### a) from the host university

Candidate	Guide
M. Marikkani	Dr.R.Murugesan, Director i/c, Professor, Centre for Rural Development
C.B. Muvendan	Dr.R.Murugesan, Director i/c, Professor, Centre for Rural Development
T. Padmanathan	Dr.R.Murugesan, Director i/c, Professor, Centre for Rural Development
G. Suba	Dr.R.Murugesan, Director i/c, Professor, Centre for Rural Development
V.K. Joseph Vincent	Dr.P. Balamurugan, Assistant Professor, Centre for Rural Development
D. Velmurugan	Dr.P. Balamurugan, Assistant Professor, Centre for Rural Development
V. Sachidanantham	Dr.P. Balamurugan, Assistant Professor, Centre for Rural Development

#### b) from other universities - NIL

### 40. Number of post graduate students getting financial assistance from the university? - NIL

### 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, The Academic committee of the Department have met before the Development of New programme and discuss the viability, suitability of the programme.

#### 42. Does the department obtain feedback from

- a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? - Yes and corrective measures taken
- b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? - Yes and corrective measures taken
- c) alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes, Almost all the old students have been well placed and the feedback of the alumni and employers used for the development of Department.

#### 43. List the distinguished alumni of the department (maximum 10)

NAME	ADDRESS
Elangovan. E., Project officer, Bless NGO, Cuddalore	S/o P. Elayaperumal, Thoopu Street Mathiravelur Post, Sirkali T.K
Karangwa Gervais, Project consultant, Rwanda	Mariyapa Nagar, II Main Road, Plot No.323 First Floor Annamalai Nagar, Pin: 608 002; Mobile: 9677569231
Om prakash, Research Assistant, IIT, New Delhi.	S/o Jagdish Prasad, C-81, DDA Flats, Katwaria Sarai Phase-I, HAUZ KHAS, New Delhi-110 016
Ramesh. R, CRPF, Chennai	S/O P. Raman, A.Krishnapuram, West Street, Boothipuram (Po), Usilampatti (TK), Madurai (Dt)- 625532
Ruhumuriza Gervais Project consultant, Leading NGO, Rwanda	Katabazi Aloys, 114, Muthiah Nagar, Annamalai Nagar, Chidambaram, Pin code: 608002, Mobile: 9790207174
Arulmozhi.K Project Officer, Shreegi's NGO, Thiruvarur.	Elavankarkudi, East Street, Pavithramanickam via, Kudavasal T.K., Thiruvarur, Pin: 610 051
Balaji. M, Project Assistant, Thirumalai Charitable Trust, Chennai.	113 Jeeva Nagar, Kallurani, Vanamutti Post, Kovil Patti T.K., Tuticorin District, Pin- 628 721
Fathima.B Tamil Nadu Police Department, Thiurnelveli	No.253 Kalaingar Nagar, Nalukalmandabam, New Street, Thiruvarur Post, Thiruvarur District, Pin: 610 002
Geetha.T., Project Staff, Leading NGO, Plani.	3/199 K.K. Nagar, Vilamal, Thiruvarur, Pin: 613 701
Gobu.N. , Project Associate, Bharathi Trust, Thirutharaipundi.	Vandalur Main Road, Sembianmadevi Post Kilvelur T.K, Nagai District.
Hema.R, Project Associate, Bharathi Trust, Thirutharaipundi	Nangali, Kunnur Post, Thiruthurai Poondi T.K Thiruvarur District, Pin: 610 203
Lakshmanan.A, Fine Artist	Pidari Kovil Street, Kudavasal Post & T.K. Tiruvarur District, Pin: 612 601

#### 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

student enrichment programmes	Out put	Date/No. Student benefited
Guest Lecture Series-I	Discussed about the role of NGO in Rural Development	01/03/2010 60 students
One day General orientation training programme	Provided Technical know how about the soft skills and live skills	01/11/2010 60 students
Special lecture on the Role of NGO in Rural Development	Role of NGO	13/03/2012 80 students
Two Day Career Counseling and Employment Guidance Programme	Employment Guidelines	28/03/2012 70 students
Guest Lecture Series-I	Discussed about the role of Community organization in Rural Development	11/02/2014 60 students

#### 45. List the teaching methods adopted by the faculty for different programmes.

Overhead projectors, LCD and TV programmes.

#### 46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Through the students' feedback and class tests.

#### 47. Highlight the participation of students and faculty in extension activities.

Participated in the number of extension activities organized by the centre.

#### 48. Give details of "beyond syllabus scholarly activities" of the department.

Syllabus based teaching learning process and Research activities done and reconstituted the Board of Studies in Rural Development

#### 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. ---

#### 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Yes, through Field Trips and exposures visits organized as well as the class level seminars conducted in order to generate new knowledge to the students as well as faculty. Eg.:

- Agricultural Exposure visit to Trichy.
- Field trip to the District Rural Development Agency at Cuddalore.

#### 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

##### Strength:

- Our department has extended the facilities to all the students as well as the faculty in terms of Library, Internet, Inter-action, Preparation of projects.
- To expose the students and staff, a number of field visit, extension programmes have been organized.
- To provide the technical skills to the students about computer they were given the training to development their existing skills.
- Good environment and free in inculcating the knowledge for students and faculty.
- Refresher programmes were organized for faculty members in order to update the knowledge and subject matters.
- Women students and staff were given equal rights and motivate them in all research, extension and training programmes.

##### Weaknesses

- In-plant training should be provided to all the students during vacation
- Industrial Visit to the students
- Time allotted for extracurricular activities is not adequate
- Industrial exposure to the faculty
- Location of the University in a semi-urban area

##### Opportunities

- The faculties for employment guidance and counseling were made to the students.

##### Challenges

- Motivation of students for enrolment.

#### 52. Future plans of the department.

- Plan for promotion of this centre in to the Advanced Centre of Study in Rural Development in future by taking up of
- Conduct of qualitative research and extension, through mobilization of funds from various agencies.
- Conduct of research in various areas / field in Rural Development.

## DEPARTMENT OF MATHEMATICS

**1. Name of the Department:-** Mathematics

**2. Year of establishment:-** 1929

**3. Is the Department part of a School/Faculty of the university?** Yes Faculty of Science

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

M.Sc. Mathematics (CBCS); M.Sc. Mathematics (Five year Integrated programme);  
M.Phil. Mathematics; Ph.D. Mathematics

**5. Interdisciplinary courses and departments involved:**

M.Sc. Mathematics - Physics (Classical mechanics and special theory of relativity),  
Statistics (Mathematical Statistics) and Philosophy (Comparative religion).

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.-** Nil

**7. Details of programmes / courses discontinued, if any, with reasons:-** Nil

**8. Examination system: Annual/ Semester/Choice Based Credit System**

Semester and Choice Based Credit System

**9. Participation of the department in the courses offered by other departments**

Statistics, Physics, Chemistry and Earth Sciences.

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned *	Actual **
Professor	03	04
Associate Professors	06	02
Asst. Professors	14	09

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Includes the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

**11. Faculty profile with name, qualification, designation and specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. N. Thillaigovindan	M.Sc., M.Phil., Ph.D.	Professor and Head	Stochastic Processes, Fuzzy sets and systems, Fuzzy algebra, Fuzzy functional analysis and Rough set theory	33	5
Dr. P. Paulraja	M.Sc., Ph.D.	Professor	Graph Theory	27	2
Dr. Nirmala P. Ratchagar	M.Sc., Ph.D.	Professor	Mathematical Modeling in Fluid Dynamics	25	4
Dr. R. Kalyanaraman	M.Sc., M.Phil., Ph.D.	Professor	Stochastic Processes	13	4
Dr. D. Krishnaswamy	M.Sc., M.Phil., Ph.D.	Associate Professor	Linear Algebra, Fuzzy Algebra	17	2
Dr. V. Chinnadurai	M.Sc., M.Phil., Ph.D.	Associate Professor	Fuzzy Algebra	14	-
Dr. S. Vijaya	M.Sc., M.Phil.,	Assistant	Mathematical Modeling	13	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
	Ph.D.	Professor			
Dr. P. Manoharan	M.Sc., M.Phil., Ph.D.	Assistant Professor	Stochastic Processes	12	-
Dr. M. Seenivasan	M.Sc., M.Phil., Ph.D.	Assistant Professor	Stochastic Processes	10	-
Dr. G. Mohanraj	M.Sc., M.Phil., Ph.D.	Assistant Professor	Fuzzy Algebra	10	-
Dr. S. Anita Shanthi	M.Sc., M.Phil., Ph.D.	Assistant Professor	Fuzzy Theory	08	-
Ms. V. Sheeba Agnes	M.Sc., M.Phil.,	Assistant Professor	Graph Theory	07	-
Dr. V.S. Subha	M.Sc., M.Phil., Ph.D.	Assistant Professor	Rough Set Theory	07	-
Ms. R. Hema	M.Sc., M.Phil.,	Assistant Professor	Generalized Inverses of Matrices and Fuzzy Sets Systems	07	-
Dr. R. Lakshmi	M.Sc., M.Phil., Ph.D.	Assistant Professor	Graph Theory	07	-

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:** Nil

**13. Percentage of classes taken by temporary faculty - programme-wise information -** Nil

**14. Programme-wise Student Teacher Ratio**

M.Sc.(CBCS & Integrated): 10:1 – M.Phil.: 2:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Actual
Technical Staff	02
Administrative Staff	08

**16. Research thrust areas recognized by funding agencies**

Graph Theory, Stochastic Processes, Algebra, Linear Algebra and its applications, Fuzzy Sets and Systems, Mathematical Modeling in Fluid Dynamics.

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Name of the Teacher	Title of the Project	Duration	Funding Agency	Amount
Dr. P. Paulraja (Principal Investigator) and Dr. R. Sampathkumar (Co- Principal Investigator)	Decompositions of graphs and Orthogonal double covers of graphs	01.02.2009 to 31.01.2012	DST	Rs. 11,15,280/-
Dr. P. Dheena (Principal Investigator) Dr. D. Krishnaswamy (Co- Principal Investigator)	The study of ideal theory and regularity in near semirings and their applications	07.02.2009 to 06.02.2012	UGC	Rs. 7,62,900/-
Dr. R. Kalyanaraman (Principal Investigator) Dr. N. Thillaigovindan (Co- Principal Investigator)	The study of some finite capacity and /or finite input source queueing models and their applications	07.12.2009 to 06.11.2012	DST	Rs. 9,83,400/-

**18. Inter-institutional collaborative projects and grants received**

a) All India collaboration b) International :- Nil

### 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.

DST-FIST	: Rs. 5,65,500/-
UGC-Non-SAP	: Rs. 10,00,000/-
UGC-Infrastructure	: Rs. 20,00,000/-
UGC-SAP	: Rs. 44,25,000/-
NBHM	: Rs. 37,47,941/-

### 20. Research facility / centre with:- Nil

- state recognition
- national recognition
- international recognition

### 21. Special research laboratories sponsored by / created by industry or corporate bodies :- Nil

### 22. Publications:

- Number of papers published in peer reviewed journals (national / international): 138 (Annexure - I)
- Monographs
- Chapters in Books Nil
- Edited Books & Books with ISBN with details of publishers

Author	Title of the Book	Chapters	ISBN No.	Publisher & year
Dr. N. Thillaigovindan Dr. S. Vijayabalaji Dr. S. Anitha Shanthi	Fuzzy n-normed linear spaces	Full book	978-3-8433-8121-5	LAP, Germany, 2010
Dr. Nirmala P. Ratchagar	Engineering Mathematics I	I & V	978-81-8371-279-8	SCI TECH. Publishers, Chennai, 2009
Dr. Nirmala P. Ratchagar	Engineering Mathematics II	II & III	978-81-8371-260-6	SCI TECH. Publishers, Chennai, 2009
Dr. Nirmala P. Ratchagar	Transforms and Partial Differential Equations	I, II & IV	978-81-8371-224-8	SCI TECH. Publishers, Chennai, 2010
V. Sheeba Agnes	Engineering Mathematics-II	III & IV	978-81-923371-1-1	NiMeric Publications, Kanniyakumari. 2011
Dr. V. Chinnadurai	Fuzzy Ideals in Algebraic Structures	Full book		LAP, Germany, 2013

- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : NIL
- Citation Index - range / average 160
- SNIP : NIL
- SJR : 0.01
- Impact Factor - range / average 0.7
- h-index - 1-7

### 23. Details of patents and income generated Nil



**24. Areas of consultancy and income generated** Nil**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad**

Dr. N. Thillaigovindan visited Morehouse College, Atlanta, Georgia, U.S.A. to deliver an **invited talk** at the Fourth International Conference on Neural, Parallel and Scientific Computations during August 11 - 14, 2010.

Dr. N. Thillaigovindan visited Morehouse College, Atlanta, Georgia, U.S.A to deliver an **invited talk** at the Sixth International Conference on Dynamic Systems and Applications during May 25 - 28, 2011.

Dr. R. Kalyanaraman participated and delivered an **invited talk** on "A Multi Server Batch Service Finite Source Queue with Delay" at the Fourth International Conference on Neural, Parallel & Scientific Computations organized by the Department of Mathematics, Morehouse College, Atlanta, Georgia, U.S.A. during 11 to 14, August 2010.

Dr. P. Paulraja attended and delivered a **Plenary lecture** in the Third -India Taiwan Conference on Discrete Mathematics at National Chiao Tung University, Taiwan during November 18-22, 2013.

**26. Faculty serving in**

- a) National committees:
- b) International committees:
- c) Editorial Boards:
- d) any other (please specify): - Referee for journals - Six (Dr. N. Thillaigovindan, Dr.P.Paulraja, Dr.Nirmala P. Ratchagar, Dr.R.Kalyanaraman, Dr.D.Krishnaswamy and Dr.V.Chinnadurai) and also members of different Board of Studies.

**27. Faculty recharging strategies**

Staff members are permitted to attend Orientation and Refresher courses periodically. They are also allowed to participate in National and International level Conferences / Workshops / Seminars to update their knowledge in their respective areas of research.

**28. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects - Nil
- percentage of students doing projects in collaboration with other universities / industry / institute - Nil

**29. Awards / recognitions received at the national and international level by**

- Faculty - Nil
- Doctoral / post doctoral fellows - Nil
- Students - Nil

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

## Seminar

1. National Seminar on Graph Theory, Algorithms and Applications Jointly Organized by Department of Computer Science and Engineering, Annamalai University during June 06 - 07, 2007. **Sponsored by SAP**
2. National Conference on Mathematical Modeling during March 26-28, 2009. **Sponsored by SAP and CSIR**
3. Prof. P. Dheena Commemorative National Seminar on Algebra and its Applications on 4<sup>th</sup> September, 2009.
4. National Conference on Recent Trends in Fuzzy Mathematics, during June 14 - 15, 2010. **Sponsored by CSIR**
5. National Conference on Mathematical Modelling, during 23-24, February, 2012. **Sponsored by SAP and CSIR**
6. International Conference on Mathematical Modeling and its Applications 2012 (ICMMA 2012) during December 22 - 24, 2012. **Sponsored by SAP, CSIR and NBHM**
7. "In-Service Training Programme" during 21<sup>st</sup> July, 2009 to 03<sup>rd</sup> August, 2009,

## Workshops

1. "Instructional Workshop on Graph Theory during 29<sup>th</sup> December, 2009 to 11<sup>th</sup> January, 2010. **Sponsored by SAP**
2. Instructional Workshop on Random Processes and their Applications" during 01<sup>st</sup> November, 2010 to 13<sup>th</sup> November, 2010. **Sponsored by SAP and NBHM**
3. Instructional Workshop on Hypergraphs and Matroids during 27<sup>th</sup> March, 2012 to 31<sup>st</sup> March, 2012. **Sponsored by SAP**

## 31. Code of ethics for research followed by the departments

- The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices (GRP).
- Faculty members will not plagiarize in verbal or written communication, and will give full and proper credit to the creativity, ideas, and efforts of colleagues and students. Faculty will not fabricate, falsify, or suppress results, deliberately misrepresent research findings
- The research students pursuing their M.Phil and Ph.D programmes do a course work on Research methodology, in which they are taught all the ethical issues.

## 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. Mathematics (CBCS)	53	17	18	4	7
M.Sc. Mathematics (Five year Integrated)	20	04	06	4	7
M.Phil. Mathematics	42	08	11	100	100
Ph.D. Mathematics	29	04	08		-

## 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. Mathematics (CBCS)	-	100	-	-
M.Sc. Mathematics (5 Yr. Integ.)	-	100	-	-
M.Phil. Mathematics	7	86	7	-
Ph.D. Mathematics	42	58	-	-

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

NET - 1 SET - 2 CSIR - 2

**35. Student progression**

Student progression		Percentage against enrolled
UG to PG		-
PG to M.Phil.		7
PG to Ph.D.		42
Ph.D. to Post-Doctoral		-
Employed	• Campus selection	10
	• Other than campus recruitment	4
Entrepreneurs		

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	36
from other universities within the State	64
from universities from other States	-
from universities outside the country	-

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period - Ph.Ds : 6**

**38. Present details of infrastructural facilities with regard to**

- |   |  |
|---|--|
| a) Library                                    | 574. Sq. meters  |
| b) Internet facilities for staff and students | 21 PCs with Internet facilities are available for staff and students |
| c) Total number of class rooms                | 08   |
| d) Class rooms with ICT facility              | 02   |
| e) Students' laboratories                     | 01 (Computer lab)  |
| f) Research laboratories                      | 02 (Computer lab)  |

**39. List of doctoral, post-doctoral students and Research Associates**

a) from the host university

1. S. Vijayabalaji (2007)	14. A. Sudha (2010)	30. S.B. Pattabiraman (2012)
2. M. Chitra (2007)	15. A. Vadivel (2011)	31. K. Pattabiraman (2012)
3. M. Rajsekar (2008)	16. V. Karunakaran (2011)	32. S. Srinivasan (2012)
4. Thangaraj Beaula (2009)	17. G. Mohanraj (2011)	33. V. Sriram (2012)
5. S. Vijaya (2009)	18. P. Murugadas (2011)	34. M. Seenivasan (2012)
6. G. Satheesh Kumar (2009)	19. S. Tamilselvan (2011)	35. V. S. Subha (2013)
7. R. Ezhilarasi (2009)	20. S. Sivasankar (2012)	36. A. Swaminathan (2013)
8. B. Elavarasan (2009)	21. K. Ravikumar (2012)	37. P. Meena Priya (2013)
9. S. Pazhani Balamurugan (2009)	22. K. Elangovan (2012)	38. S. Sampath Kumar (2013)
10. S. Sumathy (2010)	23. G. Kannadasan (2012)	39. V. Karthikeyan (2013)
11. P. Manoharan (2010)	24. R. Vijayalakshmi (2012)	40. V. Saravanan (2013)
12. S. Anita Shanthi (2010)	25. P. Valsamy (2012)	
13. V. Chinnadurai (2010)	26. R. Saritha (2012)	

b) from other universities: Nil

**40. Number of post graduate students getting financial assistance from the university? :** Nil

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.** - Nil

**42. Does the department obtain feedback from**

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The progress of the students are monitored by tests and assignments. Weak students are encouraged to improve their learning skills. All students are given advise and suggestions whenever needed and their problems are properly addressed in time.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, Based on the feedback from students teachers are advised to modify the methodology of teaching if necessary and also to take special efforts to prepare well for classes and pay special attention to slow learners.

c. alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes, the feedback is obtained from the graduates and employers at periodic intervals, especially during annual meetings. The feedback is used for improvement in curriculum development and syllabus modification. It is helpful for further development of institution so as to improve quality of teaching, research and extension activities.

**43. List the distinguished alumni of the department (maximum 10)**

Dr. M. Sambandham	Professor and Chair, More House College, Atlanta, U.S.A.
Prof. P.L. Kannappan	University of Waterloo, Canada.
Prof. V. Krishnamoorthy	Former Deputy Director, Birla Institute of Technology, Pilani.
Prof. K.S. Padmanaban	Director (Rtd.), Ramanujan Institute for Advanced study in Mathematics, University of Madras, Chennai.
Dr. V. Thangaraj	Director (Rtd.), Ramanujan Institute for Advanced study in Mathematics, University of Madras, Chennai.
Dr. P.R. Parthasarathy	Professor, Department of Mathematics, IIT Madras.
Dr. R. Ramanarayanan	Joint Director (Rtd.), Collegiate Education, Chennai.
Dr. A. Krishnamoorthy	Cochin University of Science and Technology, Cochin.
Dr. S. Kumaresan	Head, Department of Mathematics and Statistics, University of Hyderabad, Hyderabad.
Dr. T. Tamizh Chelvam	Professor and Head, Department of Mathematics, Manonmaniam Sundaranar University, Tirunelveli.

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

1. Prof. G. Sankaranarayanan Endowment Lectureship scheme for 2007 – 08 was held on 26.03.2008.
2. Prof. R. Balakrishnan Endowment Seminar was held on February 21, 2009.
3. Dr. K. Rangaswamy – Dr. Bala. V. Balachandran Endowment lecture was held on 3<sup>rd</sup> March, 2009.
4. Prof. R. Balakrishnan Endowment Seminar was held on March 11, 2011.
5. Ramanujan Memorial seminar for 2007 – 08 held on 14, March 2008, 2008 – 09 held on 9<sup>th</sup> March 2009, 2009 – 10 held on 30.03.2010, for 2010 -11 held on March 28, 2011 and for 2011 -12 held on March 12, 2012.

**Lectures under UGC-SAP programme:**

1. Prof. V. Ramalingam, Department of Computer Science and Engineering, FEAT, Annamalai University delivered a course of lectures on "MATLAB" during 13,19,20, March 2010.
2. Dr. A. Muthusamy, Department of Mathematics, Periyar University, Salem visited the Department during 12 - 22, May 2010 and delivered a course of lectures on "Decompositions of graphs".
3. Dr. A.M.S. Ramaswamy, Department of Mathematics, Pondicherry University, Puducherry delivered a lecture on "Number Theory" on 10.02.2011.
4. Dr. M. Marudai, Department of Mathematics, Bharathidasan University, Tiruchirappalli delivered a lecture on "Multivariate Calculus" on 24.02.2011.
5. Dr. G.P. Youvaraj, Ramanujan Institute, University of Madras, Chennai delivered a lecture on "Planar Harmonic Mappings" on 11.03.2011.
6. Dr. N. Rudriah, UG-DSA centre in Fluid Mechanics, Department of Mathematics, Bangalore University, Bangalore delivered a lecture on 22.03.2011.
7. Dr. M. Sambandham, Professor and Chair of Mathematics, More House College, Atlanta, Georgia, U.S.A. delivered a lecture on "Hybrid Fractional Differential Equations" on 17.06.2011.
8. Dr. A.N. Mohamad, School of Mathematics and Statistics, Hawassa University, Hawassa, Ethiopia delivered a lecture on "Octave Active in Linear Algebra" on 06.09.2011.
9. Dr. S.A. Choudum, Professor, Department of Mathematics, IIT Madras, Chennai delivered a lecture on "A panoramic view of edge-colorings and open problems" on 19.01.2012.
10. Dr. M. Sambandham, Professor and Chair of Mathematics, More House College, Atlanta, Georgia, U.S.A. visited our Department under UGC-SAP visiting Fellow and delivered a course of lectures on "Random Polynomials" from 06.02.2012 to 24.02.2012.
11. Dr. P.S. Srinivasan, Department of Mathematics, Bharathidasan University, Tiruchirappalli delivered a lecture on "Foundations of Real Analysis" on 01.03.2012.
12. Dr. G.P. Youvaraj, Ramanujan Institute, University of Madras, Chennai visited our Department under UGC-SAP and delivered a course of lectures on "Fixed Point Theorems" on 12.03.2012 and 13.03.2012.
13. Dr. V. Thangaraj, Professor, Director and Head, Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chennai delivered a lecture on "Probability Measure - An Introduction" on 03.04.2012.
14. Dr. M. Sambandham, Professor and Chair of Mathematics, More House College, Atlanta, Georgia, U.S.A. delivered a lecture on "Stochastic Difference Equations" on 05.07.2012.
15. Dr. K. Thaga, Head, Department of Statistics, University of Botswana, Gaborone, Botswana, delivered a lecture on "Basic Elements in Control Chart" on 09.07.2012.
16. Dr. A. Krishnamoorthy, Professor, Department of Mathematics, Cochin University of Science and Technology, Cochin, delivered lectures on "Retrial Queues" and "Markov Chains" 30 - 31.08.2012.
17. Dr. V. Thangaraj, Professor, Director and Head, Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chennai delivered a lecture on "Some limit theorems in probability" on 10.10.2012.

**45. List the teaching methods adopted by the faculty for different programmes.**

Lecture method, Power point presentation by LCD, OHP and use of Mathematical models. In addition student seminars are also conducted periodically.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

The recommendations for modifications are the outcome of yearly feedback from the students as well the faculty members based on the critical assessments in individual subjects. The suggestions and recommendations of all the faculty members are taken into account, while framing the syllabi and modifications therein. The Board of Studies is constituted by incorporating a person from reputed industry/research institute along with senior faculty members from other universities. Maximum care is taken while constituting the syllabi to cater

to the needs of the students to face competitive examinations such as SET, UGC-NET, GATE and civil service examinations. The syllabi thus framed are sent to subject experts to get suggestions and improvements. The feedbacks are received from the students and subject experts, to make the syllabi a comprehensive.

**47. Highlight the participation of students and faculty in extension activities.**

NSS students under the leadership of one faculty participate in annual camps where they inculcate good habits among the public. Many students donate blood for the needy.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

National and International Conferences, Seminars and Workshops are conducted by our Department periodically to enrich the students extraordinary skills in their future endeavors. Also the quality of research is maintained by insisting the research scholars and the staff members by participating in conferences, seminars and workshops to publish their research articles in the reputed journals in their research areas.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. - Nil**

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

**Linear Algebra:** - This department is known for research in generalized inverses. Generalized inverses have applications in Stochastic Processes, Game Theory and Electrical Networks. The concept of equi projection matrices (EP) are coined from this department and many papers has been published in reputed journals like Linear Algebra and its Applications, SIAM journal, International journal of Algebra and International Mathematical Forum. Presently research is being carried out in the field of Minkowski space to determine the solvability of matrix equations  $AXB = C$ .

**Stochastic Processes:** - This Department is well known for its research in Stochastic Process, in particular Inventory Theory and Queuing Theory. A number of Ph.D's awarded in this Department are from this area. Some standard models on inventory theory and queuing theory were coined and analyzed in this Department and are published in the standard journals like Annals of Probability, IEEE transactions, Journal of Applied Probability etc., during 1970 to 1980. During the same period research in the field of Random Polynomials was initiated in this country at our Department. Recently research is going on queuing theory including Retrial Queues, Vacation Queues, Feedback Queues and Finite Source Queues. Some pioneering work on Queues using Matrix Geometric method, the most powerful numerical technique in the field of stochastic modeling was carried out at this department.

**Discrete Mathematics:** - In *Graph Theory*, a part of *Discrete Mathematics* our results have been cited in many monographs. We have been working on different areas of Graph Theory such as, Cycles, Eulerian Graphs, Product Graphs, Decompositions of Graphs, Planar Graphs, etc., Our research is on par with International standards. We have published a variety of articles in reputed journals such as Journal of Graph Theory, Discrete Mathematics, Journal of Combinatorial Theory (Ser. B), Graphs and Combinatorics, Ars Combinatoria, Australasian Journal of Combinatorics, Journal of Combinatorial Designs, Utilitas Mathematica.

**Fuzzy Sets and Systems:** - Research work is also carried out in different areas of Fuzzy Mathematics like Fuzzy Topology, Fuzzy n-normed Linear Spaces, Fuzzy Operators, Fuzzy Fixed Point Theory, Fuzzy Algebra and Rough Sets. One monograph on Fuzzy n-normed linear space has been published by LAP, Germany. Research work is being continued in Fuzzy Topology and Fuzzy Algebra.

**Mathematical Modeling:** - Research is also carried out in the area of Mathematical Modeling, particularly as applied to Fluid Dynamics.

## 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

### Strengths:

- Qualified Faculty.
- Well equipped Library with reputed journals, back volumes and an excellent collection of text books.
- Computer Lab with Internet and MathScinet Facilities
- Availability of Hi-tech Hall (A/C) with LCD projector.
- Well supported by administrative staff.

### Weaknesses:

- Lack of national, international collaborations.
- Lack of Communication Skills
- Absence of Mathematical Software.

### Opportunities:

- UGC-SAP (DRS-I) awarded
- DST-FIST supported,
- Greater opportunities are there for students progression from UG to research
- NBHM Library Recurring Grant
- Generous Financial Support from CSIR, DST, NBHM for conducting Conferences and Workshops periodically.

### Challenges:

- To attract extramural funds
- To improve the learners communicative skills in English

## 52. Future plans of the department.

**Linear Algebra:** - We are trying to find necessary and sufficient conditions for the solvability of matrix equation  $AXB=C$  in Minkowski space and to determine the non negative definite solutions for the above linear equation. Further, we are trying to determine the necessary and sufficient conditions for the solvability of the matrix equation  $A^*XA=C$  where  $A$  is skew symmetric, ortho symmetric.

**Stochastic Processes:** - We are in the process of solving some real life situations adhering to Finite source / Finite capacity Queueing models. Our future plan includes statistical estimation of parameters of a Queueing system using simulation technique. Research will also be carried out in the corresponding Fuzzy Queueing models.

**Fuzzy Sets and Systems:** - Our future research includes study of different type of Fuzzy Ideals in different Algebraic structures like Rings, Near-Rings, Semi-Rings and Semigroups.

It is proposed to extend the notion of convex fuzzy sets to intuitionistic fuzzy convex sets, strictly intuitionistic fuzzy convex sets and strongly intuitionistic fuzzy convex sets. Some properties of these sets can be studied. The theory of  $M$ -convex, quasi convex and graded intuitionistic fuzzy convex sets can be developed. The notion of weakly compatible maps, occasionally weakly compatible maps, compatible maps of type  $\alpha$  and type  $\beta$  could be extended to intuitionistic fuzzy metric space.

**Mathematical Modeling in Fluid Dynamics:** - We focus on developing mathematical models in fluid dynamics using computational methods in the following areas: (i) Environmental pollution due to oil spill on sea and land (ii) Bacterial and Virus transport through contaminated water (iii) Aerosol dispersion due to the effect of electrical field in atmospheric fluid.

**Graph Theory:-** To find orientations numbers for different classes of graphs such as line graphs, tensor product of graphs, Cartesian product of graphs, circulant graphs and complete multipartite graphs. We also propose to find strong diameter for several special classes of graphs.

## DEPARTMENT OF STATISTICS

- 1. Name of the Department** :- Statistics
- 2. Year of establishment** :- 1956
- 3. Is the Department part of a School/Faculty of the University?** Yes Faculty of Science
- 4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**  
 M.Sc. Statistics with Computer Applications (CBCS);  
 M.Sc. Statistics with Computer Applications (Five year Integrated programme)  
 M.Phil.; Ph.D.
- 5. Interdisciplinary courses and departments involved** - Nil
- 6. Courses in collaboration with other universities, industries, foreign institutions, etc.** - Nil
- 7. Details of programmes / courses discontinued, if any, with reasons** - Nil
- 8. Annual/ Semester/Choice Based Credit System**

Semester, Choice Based Credit System

### 9. Participation of the department in the courses offered by other departments

Departments of Mathematics, Physics, Chemistry, Earth Science, Zoology, Botany, Bio-Technology, Bio-Chemistry, Geology, Ocean Technology, Commerce, Political Science, Population Studies, Rural Development, Microbiology, Master of Physiotherapy.

Departments of Agronomy, Soil Science & Agrl. Chemistry, Entomology, Microbiology, Plant Pathology, Genetics and Plant Breeding, Horticulture, Agrl. Extension, Agrl. Economics.

### 10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned *	Actual **
Professor	01	6
Associate Professors	03	2
Asst. Professors	09	7

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Includes the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

### 11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. V. Rajagopalan	M.Sc., M.Phil. Ph.D.	Professor and Head	Stochastic Modelling	24	1
Dr. M.K. Ravichandran	M.Sc., M.Phil. Ph.D.	Professor	Stochastic Modelling	26	1
Dr. R. Kannan	M.Sc., M.Phil. Ph.D.	Professor	Bio-Statistics, Survival Analysis and its Applications.	22	4
Dr. R. Elangovan	M.Sc., M.Phil. M.Ed., Ph.D.	Professor	Stochastic Processes and its Applications.	21	5
Dr. D. Venkatesan	M.Sc., M.Phil. Ph.D.	Professor	Time Series Analysis, Bayesian Inference.	18	2



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. G. Meenakshi	M.Sc., M.Phil. PGDCA. Ph.D.	Professor	Bayesian Inference.	18	-
Dr. S. Parthasarathi	M.Sc., M.Phil. Ph.D.	Associate Professor	Reliability, Time Series Analysis.	14	-
Dr. P. Pandiyan	M.Sc., M.Phil. MBA. PGDCA.Ph.D.	Associate Professor	Stochastic Process.	14	-
Dr. N. Pukazhenth	M.Sc., M.Phil. B.Ed., SLST, Ph.D.	Assistant Professor	Stochastic Processes and its Applications.	13	-
Dr. C. Subramanian	M.Sc., M.Phil. PGDCA. Ph.D.	Assistant Professor	Stochastic Processes and its Applications.	10	-
Dr. M. Vijayakumar	M.Sc., M.Phil. Ph.D.	Assistant Professor	Bayesian Inference.	6	-
Dr. P. Arumugam	M.Sc., M.Phil. Ph.D.	Assistant Professor	Bayesian Inference, Time Series Analysis, Stochastic Process.	6	-
Dr. N. Paranjothi	M.Sc., (Maths) M.Sc., (Statistics) M.Ed., DCPA. M.Phil. Ph.D.	Assistant Professor	Queuing Theory.	6	-
Dr. S. Eakambaram	M.Sc., M.Phil. Ph.D.	Assistant Professor	Regression Analysis.	6	-
Dr. N. VijayaSankar	M.Sc., M.Phil. Ph.D.	Assistant Professor	Stochastic Processes and its Applications.	5	-

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:** Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information -** Nil

**14. Programme-wise Student Teacher Ratio**

M.Sc. : (CBCS & Integrated): 4:1

M.Phil. : 1:3

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	Actual
Technical Staff	03
Administrative Staff	05

**16. Research thrust areas recognized by funding agencies**

Stochastic Processes and its Applications, Time Series Analysis, Bio-Statistics

**17. Number of faculty with ongoing projects from**

a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

Name of the Teacher	Title of the Project	Duration	Funding Agency	Amount
Dr. R. Kannan (Principal Investigator) and Dr. M.K. Ravichandran (Co- Principal Investigator)	Stochastic models for estimation of expected time to seroconversion	2012 - 2015	UGC	9,63,300/-
Dr. D. Venkatesan (Principal Investigator)	Inference on Compositional Time Series Data	2012 - 2015	UGC	9,53,300/-

Name of the Teacher	Title of the Project	Duration	Funding Agency	Amount
and Dr. P. Arumugam and Dr. M. Vijayakumar (Co- Principal Investigators)				
Dr. P.Pandiyan (Principal Investigator) and Dr. M. Vijayakumar (Co- Principal Investigator)	Stochastic Modeling for HIV Inspection	2012 - 2015	UGC	10,20,800/-
Dr. V. Rajagopalan (Principal Investigator) and Dr. N. Vijayasankar ( Co - Principal Investigator)	Biometric Study on Diabetes Mellitus	2013- 2016	UGC	10,93,300/-

### 18. Inter-institutional collaborative projects and grants received

a) All India collaboration b) International - Nil

### 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.

UGC-Non-SAP: Rs.20,00,000/-

### 20. Research facility / centre with

- state recognition
- national recognition
- international recognition

### 21. Special research laboratories sponsored by / created by industry or corporate bodies - Nil

### 22. Publications:

- Number of papers published in peer reviewed journals (national / international) : 91 (Annexure - I)
- SCI journals :
- Monographs

Author	Co-author	Monographs Title	ISBN No.	Publisher	Year
D. Venkatesan	P. Arumugam	A Bayesian Analysis of Changing Time Series Models	978-3-8433-9367-6	LAP LAMBERT Academic Publishing GmbH & Co. KG, Germany	2011
D. Venkatesan	M. Vijayakumar	Bayesian Inference for Structural Changes in Time Series Models	978-3-8443-1492-2	LAP LAMBERT Academic Publishing GmbH & Co. KG, Germany	2011
S. Eakambaram	R. Elangovan	Least Absolute Deviation Regression Theory and Methods	978-3-8465-0856-5	LAP LAMBERT Academic Publishing GmbH & Co. KG, Germany	2011

- Chapters in Books : Nil

- Edited Books : Nil
- Books with Non ISBN

Author	Monographs Title	Publisher	Year
N. Paranjothi D. Venkatesan	Mathematics for Agricultural Sciences (Practical Manual)	ARIF, Pondicherry	2011

- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index - range / average : 160
- SNIP : 0
- SJR : 0.01
- Impact Factor - range / average : 0.2
- h-index : 01

### 23. Details of patents and income generated - Nil -

### 24. Areas of consultancy and income generated - Nil -

### 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad

- Dr. D. Venkatesan was awarded the **Visiting Fellowship** by for three months at University of Naples - L'Orientale, Italy from 1<sup>st</sup> May to 31<sup>st</sup> July 2009.
- Dr. D. Venkatesan was invited as a **Guest faculty at University** of Naples Federico II, Italy, from June 24 - 26, 2009.
- Dr. D. Venkatesan was invited as a **Guest faculty at University of Sannio**, Benevento, Italy, from July 6 & 7, 2009.
- Dr. D. Venkatesan was invited as a **Guest faculty at Second University of Naples**, Italy, June 20 - 23<sup>rd</sup>, 2009.
- Dr. D. Venkatesan was awarded Summer Research Fellowship by **INSA**, for a period of two months at CSIR centre for Mathematical Modelling and Computer Simulation Bangalore, May - June, 2010.
- Dr. D. Venkatesan was awarded the **visiting fellowship by the Department of Probability Theory and Statistics**, The Eotvos Lorand University, Budapest, Hungary, from 15<sup>th</sup> May to 30<sup>th</sup> May, 2012.
- Dr. S. Eakambaram visited Department of Mathematics, IIT Bombay, Powai, Mumbai, through the **Young Scientist Fellowship** Programme of Tamilnadu State Council for Science and Technology, Chennai, during 1<sup>st</sup> May to 30<sup>th</sup> June 2011.

### 26. Faculty serving in

- a) National committees : Nil
- b) International committees : Nil
- c) Editorial Boards : Nil
- d) any other (please specify) : Board of studies, member in Ph.D boards of other universities

### 27. Faculty recharging strategies

Faculty recharge is promoted by encouraging staff to attending orientation programs conducted by other universities, participating and presenting papers in State, National and International Seminars, Symposia and Workshops.

## 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects :- 100% (2 Years M.Sc., (Cbc) Students And 5 Years (Integrated) Students Undertake Compulsory Projects In The Final Semester)
- percentage of students doing projects in collaboration with other universities / industry / institute - Nil

## 29. Awards / recognitions received at the national and international level by

- Faculty - Dr. S. Eakambaram was awarded the Young Scientist Fellowship for the year 2010 - 2011 by Tamilnadu State Council for Science and Technology, Chennai.

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. - Nil

## 31. Code of ethics for research followed by the departments

The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices (GRP).

Faculty members will not plagiarize in verbal or written communication, and will give full and proper credit to the creativity, ideas, and efforts of colleagues and students. Faculty will not fabricate, falsify, or suppress results, deliberately misrepresent research findings

The research students pursuing their M.Phil and Ph.D programmes do a course work on Research methodology, in which they are taught all the ethical issues.

## 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. Statistics (CBCS)	03	01	02	100%	
M.Sc. Statistics (5 year Integrated)	11	07	04	45%	
M.Phil. Statistics	01	01	-	100%	
Ph.D. Statistics	03	-	-	-	-

## 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. Statistics (CBCS)	-	38%	-	62%
M.Sc. Statistics (Five Yr. Integ.)	-	27%	-	73%
M.Phil. Statistics	100%	-	-	-
Ph.D. Statistics	100%	-	-	-

## 34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. - Nil

## 35. Student progression

Student progression	Percentage against enrolled
UG to PG	-
PG to M.Phil.	50%
PG to Ph.D.	40%
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	-
• Other than campus recruitment	4%
Entrepreneurs	-

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	80%
from other universities within the State	20%
from universities from other States	-
from universities outside the country	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period : 3

### 38. Present details of infrastructural facilities with regard to

- a) Library - 2264 Books
- b) Internet facilities for staff and students - 03 PCs with Internet facilities are available for staff and students
- c) Total number of class rooms - 6
- d) Class rooms with ICT facility - -
- e) Students' laboratories - 02 (Computer lab)
- f) Research laboratories - 01 (Computer lab)

### 39. List of doctoral, post-doctoral students and Research Associates

- a) from the host university : Doctoral - 32

#### List of Ph.D - Awarded (2007 - 2012)

Topic	Candidate	Year
A Bayesian Analysis of Changing Time Series Models	Arumugam, P.	2007
On some stochastic models for estimation of Time to Serovonversion of HIV infected	Venkatachalam, KA	2007
Outlier detection using order statistics – A Bayesian Approach	G. Meenakshi	2008
Statistical Model in Survival Analysis	John William Felix	2008
Stochastic processes and its applications (In queue problems, Inventory control & SQC)	Jayanthi, S	2008
A study on the estimation of expected Time to sero conversion of HIV infected	Ganesan, A	2008
Stochastic processes and their applications	Pukaznenth, N.	2008
Contributions to the development of models in manpower planning – A stochastic Approach	Vijayasankar, N	2008
Contribution to the study of some stochastic models in manpower planning	Ananthraj, C.	2008
A study of some discrete Time Vacation queues and Retriat Queues	Paranjothi, N	2009
Bayesian inference for the change point problems in time series models using MCMC technique	Vijayakumar, M	2010
On Some applications of least Absolute Deviations Regression Theory and Methods	Eakambaram, S	2010
Stochastic Models for Optical recruitment policies in manpower planning	Arivazhavan, G	2010
A study on some stochastic model for Estimation of expected time to sero conversion of HIV infected	Thirumurugan, A	2010
Stochastic models for manpower planning policies	Susi Ganesh kumar, E.	2011
A Study on Some Stochastic Models for HIV infection and Aids	Palanivel, R.M	2013
A Study of Stochastic Models Related to Manpower Planning	Vinoth, R	2013

- b) from other universities - Nil

**40. Number of post graduate students getting financial assistance from the university? - Nil**

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

Interaction with subject experts, prestigious Alumni are being involved recently along with academicians of various organizations to identifying the need of the society to take up necessary modifications in developing new programs, which will be subsequently placed before the Board of Studies

**42. Does the department obtain feedback from**

**a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? - Yes.**

The view of the faculty members on curriculum are usually obtained by sending the draft copy the curriculum to the faculty members and their opinions and suggestions will be placed before the Board of Studies for consideration.

The reports of the evaluation of the students by the faculty are usually discussed in the regular staff meetings and suitable modification and remedial measures are worked out.

**a. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Yes, The senior faculty in the department reviews the feedbacks obtained from the students and suitable measures will be adopted.

**b. alumni and employers on the programmes offered and how does the department utilize the feedback?**

The input from the alumni and employers are mostly used for the curriculum development. The department understands the societal needs of the course by interaction with alumini and keeping in mind the future demands.

**43. List the distinguished alumni of the department (maximum 10)**

Dr. P. Vellaisamy	Professor of Statistics, Department of Mathematics, IIT Bombay, Powai, Mumbai.
Dr. G. Arivarignan	Professor & Head, Department of Mathematics, Madurai Kamaraj University, Madurai - 625 021.
Dr. P. Dhanavanthan	Professor & Head, Department of Statistics, Pondicherry Central University, Puducherry - 605 014.
Dr. A. Rajarathinam	Professor & Head, Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli - 627 012.
Dr. A. Subbarayan	Professor & Head, Department of Computer Applications, SRM University, Kattankulathur - 603 203.
Dr. G. Kunasekaran	Director (PRIDE), Periyar University, Salem.
Dr. K. Senthamarai Kannan	Professor, Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli - 627 012.
Dr. A. Santhakumaran	Professor of Statistics, Indian Institute of Crop Processing Technology, Ministry of Food Processing Industry, Govt. of India, Tanjore - 613 005.
Dr. A. Loganathan	Associate Professor, Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli - 627 012.
Dr. M. Dharmalingam	Associate Professor of Statistics, Department of Management Studies, Pondicherry University (Karaikal Center), Karaikal.

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

The Department request the visiting alumni to deliver a lecture or arrange a meeting to share their experience with the students.

**45. List the teaching methods adopted by the faculty for different programmes.**

Lecture method, Power point presentation by LCD, OHP and Statistical Analysis.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

The learning outcomes are monitored by means of internal snap tests. Students are advised to take Interactive seminars and submit assignments regularly.

**47. Highlight the participation of students and faculty in extension activities.**

The NSS wing of the Department organizes village camp to educate the public on health issues and importance of agro forestry and bio shields for the safe and healthy life.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

The students and staff are encouraged to take part in the extension activities of the university in propagating the advancements and applications of science to the rural community

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. - Nil**

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

Our department took a leading role in developing curricula and syllabi for Agricultural Statistics and Econometrics courses for Undergraduate and Post graduate programmes. Further faculty members have been continuously involved in initiating research in theoretical statistics, applied statistics and bio-Statistics. Currently research under major research projects are carried out in the area of Stochastic Processes, Bayesian inference, Bio-statistics, Reliability, Survival Analysis, Queuing theory etc.

**51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Strength:**

- Qualified Faculty.
- Well equipped library with reputed journals, books.
- Computer lab with internet facilities, LCD projector.
- Supported by administrative staff.

**Weakness:**

- No sponsored programs.
- Lacking national level collaborations
- Lack of Industrial Interaction

**Opportunities:**

- Financial support from UGC, DST through MRP and Non-SAP programme
- More national and international seminars
- Industrial Interaction

**Challenges:**

- To attract extramural Grants
- To start sponsored innovative courses

**52. Future plans of the department.**

It is proposed to start a new course in Actuarial Statistics in the near future. The department has also taken initiative measure to promote staff members for acquiring projects from different funding agencies. Further it is planned to develop the interaction with different institute and industries for research and consultancy.





## DEPARTMENT OF PHYSICS

**1. Name of the Department :-** Physics

**2. Year of establishment :-** 1929

**3. Is the Department part of a School/ Faculty of the university?** Yes, Faculty of Science

**4. Names of Programmes /Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters: Integrated Ph.D., etc.):**

M.Sc Physics (Integrated); M.Sc. Physics (CBCS); M.Phil.; Ph.D.

**5. Interdisciplinary courses and departments Involved:** Zoology, Statistics, Earth Sciences

**6. Courses in collaboration with other universities, industries, foreign institutions:** Nil

**7. Details of programmes/courses discontinued, if any, with reasons:**

Integrated M.Sc Electronic Science (Reason: takers were meager)

**8. Annual / Semester / Choice Based Credit System**

Semester & Choice Based Credit System

**9. Participation of the department in the courses offered by other departments**

The department offers optional courses for Mathematics, Chemistry, Earth Sciences, Marine Biology, Botany, Music

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned *	Actual**
Professor	02	5
Associate Professors	06	6
Asst. Professors	18	13

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Includes the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	Experience
Dr.S.Barathan	M.Sc.,Ph.D.,	Professor and Head	Material Science	29
Dr.V.Ramaswamy	M.Sc.,M.Phil., Ph.D.,	Professor	Applied Spectroscopy and Nuclear Physics	26
Dr.P.Vasantharani	M.Sc.,M.Phil.,M.Ed. Ph.D.,	Professor	Ultrasonics	21
Dr.P.Sivagurunathan	M.Sc.,M.Phil., Ph.D.,	Professor	Spectroscopy	19
Dr.C.Manoharan	M.Sc.,M.Phil., Ph.D.,	Asso. Prof.	Spectroscopy and Material Science	15
Dr.S.Kumar	M.Sc.,M.Phil., Ph.D.,	Asso. Prof.	Chemical Physics	15
Dr.S.Bakkialakshmi	M.Sc.,M.Phil., M.Ed., Ph.D.,	Asso. Prof.	Spectroscopy	15
Dr.H.Saleem	M.Sc., M.Phil.,M.Ed., Ph.D.,	Asso. Prof.	Molecular Spectroscopy	15
Dr.D.Govindarajan	M.Sc., M.Ed., Ph.D.,	Asso. Prof.	Material Science	13
Dr.S.Sivakumar	M.Sc., M.Phil., Ph.D.,	Asst. Prof.	Spectroscopy	14

Name	Qualification	Designation	Specialization	Experience
Dr.S.Dhanapandian	M.Sc., Ph.D.,	Asst. Prof.	Spectroscopy and Material Science	12
Dr.D.Geetha	M.Sc., M.Phil., Ph.D.,	Asst. Prof.	Ultrasonics and Nano Materials	11
Dr.N.Krishnakumar	M.Sc., Ph.D.,	Asst. Prof.	Spectroscopy and Biophysics	10
Dr.K.Raghu	M.Sc., Ph.D.,	Asst. Prof.	Material Science	10
Dr.G.Viruthagiri	M.Sc., Ph.D.,	Asst. Prof.	Spectroscopy and Material Science	7
Dr.S.Akilandeswari	M.Sc., M.Phil., Ph.D.,	Asst. Prof.	Spectroscopy	7
Dr.R.Ezhilpavai	M.Sc.,M.Phil.,Ph.D.,	Asst. Prof.	Ultrasonics	7
Dr.K.Balamurugan	M.Sc., M.Phil., Ph.D.,	Asst. Prof.	Ultrasonics and Nano Materials	7
Dr.N.Shanmugam	M.Sc., M.Phil., Ph.D.,	Asst. Prof.	Spectroscopy and Nano Materials	7
Ms.I.Kalaiarasi	M.Sc., M.Phil.,	Asst. Prof.	Spectroscopy	7
Dr.R.Gobi	M.Sc., M.Phil., Ph.D	Asst. Prof.	Applied Spectroscopy and Crystal Growth	7
<b>Centralized Instrumentation and Service Laboratory (CISL)</b>				
Dr. B.Shanthi	B.E., M.Tech., Ph.D	Professor	Instrumentation	22
Dr.G.Sivakumar	M.Sc.,Ph.D.,	Asso. Prof.	Material Science and Applied Spectroscopy	13
Mr.B.Gobinath	M.Sc.,M.Phil.,	Asst. Prof.	Material Science	7

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors :** Nil

**13. Percentage of classes taken by temporary faculty–programme-wise information:** Nil

**14. Programme-wise Student Teacher Ratio:** M.Sc. Physics (CBCS) :1:8

M.Sc. Physics (Integrated):1:3

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Actual
Technical staff	08
Administrative Staff	19

**16. Research thrust areas recognized by funding agencies:** Bio-Physics; Thin Films

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Project	Funding Agency	Title	Faculty Name	Amount
Major Project	UGC	Spectroscopic Studies on the Comparative effects of chelating agencies destrioxamine and deferiprone on the toxicity, distribution and excretion of Aluminium in Mice	Dr.S.Sivakumar Assistant Professor	Rs. 8,66,800/-
Major Project	UGC	Fabrication of Dye sensitized solar cells with nanocrystalline ZnO thin films	Dr.C.Manoharan Associate Professor	Rs.11,93,800/-
Minor Project	UGC	Fabrication of dye sensitized solar cell with natural dyes	Dr.S.Dhanapandian Assistant Professor	Rs. 1,70,000/-

**18. Inter-institutional collaborative projects and grants received - Nil**

a) All India collaboration, b) International

**19. Departmental projects funded by DST-FIST, UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.**

- Rs. 44 Lakhs (FIST)
- Rs. 30 Lakhs (UGC Non SAP)

**20. Research facility /centre with state recognition, national recognition, international recognition**

National recognized "Centralized Instrumentation and Service Laboratory" (CISL)

**21. Special research laboratories sponsored by/created by industry or corporate bodies**

**22. Publications:**

- Number of papers published in peer reviewed journals (national/ international): 463
- Monographs : Nil
- Chapters in Books : Nil
- Edited Books : Nil
- Books Published

Author Name	Title of the Book	Publisher Name
Dr.S.Bakkialakshmi Associate Professor	1) Dyes and Their Properties	Popular Publications
	2) Laser Spectroscopy: Fundamentals and Its Applications	7/5 First Main Road, Kanagasabai Nagar, Chidambaram-608 001

- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Nil
- Citation Index - range / average : 2-18 / 3.7
- SNIP & SJR : 0-0.1
- Impact Factor - range / average : 0.3-3.1 / 1.248
- h-index : 6

**23. Details of patents and income generated : Nil**

**24. Areas of consultancy and income generated : Nil**

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: Nil**

**26. Faculty serving in National committees/ International committees / Editorial Boards/ any other (please specify)**

Faculty serving in	Name and Designation	Journal Name
Editorial board	Dr. V.Ramaswamy Professor of Physics	1.Journal of Current Sciences 2.Bulletin of Pure and Applied Sciences

**27. Faculty recharging strategies**

- a. University is conducting inservice training programme / research programmes periodically.
- b. Staffs are regularly attending Refresher, Orientation programmes and Workshops conducted by Universities / Academic Staff College.
- c. The University promotes "Faculty Improvement Programme" and "Faculty Exchange Programme" for the benefit of teachers.

## 28. Student projects

a) percentage of students who have done in-house projects including inter-departmental projects, b)percentage of students doing projects in collaboration with other universities / industry / institute - Nil

## 29. Awards / recognitions received at the national and international level by Faculty/ Doctoral / post doctoral fellows /Students

Dr.K.Raghu, Assistant Professor of Physics has received NLC Endowment Award for the best NSS Programme Officer during the year 2011 - 2012.

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

National Seminars/ Conferences/Workshops	Funding Agency	Outstanding Participants
One day National workshop on "Scanning Electron Microscope" conducted on 5th March 2010	UGC	Dr.G.Kulanthaivelu, Emeritus Professor, CAS in Botany, Madras University, Chennai Dr. Jacob Philip, Director, Sophisticated Test and Instrumentation Centre, Cochin University of Science and Technology, Cochin
International Conference on "Recent Frontiers on Applied Spectroscopy" conducted on 22-24, Sep'2012.	UGC,TNSCST, ICMR,DBT, CISR, INSA	Dr. James R.Durig, Curator's, Professor, Department of Chemistry, University of Missouri, Kansas City, Missouri-64110, USA Dr. Feride Severcan, Department of Biological Sciences, Middle East Technical University, Ankara, Turkey Prof. N.R. Jaganathan, Head of the Department of NMR and MRI Facility All India Institute of Medical Sciences, New Delhi
National Conference on "Advances in Materials Science" conducted on 1-2, Mar'2012.	UGC	Dr.M.N.Ponnusamy, Professor, Dept of Crystallography and Biophysics, University of Madras, Chennai Dr.N.Ponpandian, Associate Professor, Dept of Nanoscience and Technology, Bharathiyar University, Coimbatore

## 31. Code of ethics for research followed by the departments

- The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices (GRP).
- Faculty members will not plagiarize in verbal or written communication, and will give full and proper credit to the creativity, ideas, and efforts of colleagues and students. Faculty will not fabricate, falsify, or suppress results, deliberately misrepresent research findings
- The research students pursuing their M.Phil and Ph.D programmes do a course work on Research methodology, in which they are taught all the ethical issues.

## 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. Physics (Integrated)	49	15	12	50%	50%
M.Sc. Physics (CBCS)	102	39	26	70%	95%
M.Phil. Physics	12	2	5	100%	100%
Ph.D. Physics	30	9	7	100%	100%

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. Physics (Integrated)	--	--	--	--
M.Sc. Physics (CBCS)	--	5%	--	--
M.Phil. Physics	42%	58%	--	--
Ph.D. Physics	45%	53%	1%	--

### 34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

UGC-CSIR-NET : 2 – Central Services : 2 – State Services : 30

### 35. Student progression

Student progression	Percentage against Enrolled
UG to PG	--
PG to M.Phil.	42 %
PG to Ph.D.	50 %
Ph.D. to Post-Doctoral	--
Employed	
• Campus selection	--
• Other than campus recruitment	
Entrepreneurs	--

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	90 %
from other universities within the State	10 %
from universities from other States	--
from universities outside the country	--

### 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period

Number of Faculty awarded Ph.D. : 6

### 38. Present details of infrastructural facilities with regard to

a) Library : - The department library is equipped with a good collection of books on various titles in physics in an area of 9.21 m x 7.46 m, as cited below

Books	: 3068
Text Books	: 2330
Reference	: 738
Journals	: 4600

b) Internet facilities for staff and students : Staff-6 , Students-2

c) Total number of class rooms : 5

d) Class rooms with ICT facility : 3

e) Students' laboratories : 6

f) Research laboratories : 5

### 39. List of doctoral, post-doctoral students and Research Associates :

a) from the host university : 101

Name of the Candidate	YEAR	Name of the Candidate	YEAR	Name of the Candidate	YEAR
Dr.R.Uvarani	2007	P.Kalaimagal	2009	Akhil.R.Krishnan	2011
Dr.P.S.Ramesh	2007	S.Kannan	2009	V.Pandiyan	2011
Dr.E. Manikandan	2007	K.Thiruppathi	2009	R.Ravibaskar	2012
Dr.J.Subashini	2007	M.Balachandramohan	2009	K.Parivathini	2012
Dr.S.Meena	2007	S.Muthu Shailaja	2009	D.Chandrakala	2012
Dr.D. Balamurugan	2007	K.Veeramuthu	2009	K.Ponnarasi	2012
Dr.S.Velmurugan	2007	K.Mohanraj	2009	M.Prakash	2012
Dr.P.Rajkumar	2007	P.Veluchamy	2009	S.Veerasingam	2012
Dr.R.Ilango	2007	A.Geetha	2009	M.Ramesh	2012
Dr.K.Dharma Lingam	2007	B.Gnanavel	2010	S.Subash Chandrabose	2012
Dr.K.Dheena Thayalan	2007	G.Elango	2010	Raghesh Chandran	2012
Dr.B.Anand	2007	G.Suresh	2010	M.Vijayalakshmi	2012
Dr.N.Anandan	2007	J.Karpagam	2010	K.S.Pramod	2012
Dr.S.Akilan Deswari	2007	S.Thanga Pandian	2010	S.Chandra	2012
Dr.A.Uma Maheswaran	2008	R.Gopi	2011	S.Renuka	2012
Dr.K.Rama Chandran	2008	S.Senthil	2011	Sr.Anishia	2012
Dr.B.Dhinakaran	2008	C.Shanthi	2011	R.M.Vimala Thithan	2012
Dr.G.Arul.	2008	S.Sebastian	2011	P.Hajasharif	2013
Dr.R.Thiyaga Rajan	2008	U.Rajesh Kumar	2011	P.Sutharsan	2013
Dr.N.Srinivasan	2008	S.S.Gomathi	2011	Mr.N.K.Sulfikkarali	2013
Dr.A.Panneer Selvam	2008	R.Nithya	2011	Mr.K.Job Sabu	2013
Dr.F.Liakath Alikhan	2008	T.Thilagavathi	2011	Mr.P.Kabilar	2013
Dr. K.Ananda Lakshmi	2008	B.Gokulakumar	2011	Mr.S.Murugan	2013
Dr.S.Nithya Nantham	2008	M.Shanthi	2011	Ms.S.Sujeetha	2013
Dr.C. Meganathan	2008	S.Anbalagan	2011	S.Sudha	2013
Mr.M.E.RAJA SARAVANAN	2008	R.Ganapathi Raman	2011	Ms.R.Sheelarani	2013
Mr. S.ILAKKIAMANI	2008	A.Loganathan	2011	S.Balasaraswathy	2013
Mr. A.KRISHNAN	2008	S.Meyvel	2011	Mr.S.Gopinath	2013
K.Balamurugan	2009	V.Vijaya Sundaram	2011	Ms. K.Ananthi	2013
M.Vadivel	2009	G.Murugadoss	2011	Ms.A.Felcy Navajothy	2013
T.Jayakumari	2009	E.Kavitha	2011	Mr.G.Srinivasan	2013
K.Karthikeyani Vijayakumari	2009	T.Menaka	2011	Mr.M.Rajeshkumar	2014
T.G.Siva Sankaran	2009	L.Balu	2011	Mr.C.Kalyanasundaram	2014
R.Gopalkrishnan	2009	S.Saravanan	2011		

b) from other universities : 8

Scholar	Topic	Year
Dr.T.Sumathi	Ultrasonic Studies on Ternary Liquid Systems And Glass Specimen	2007
Dr.S.Sivakumar	Spectroscopic Analysis of the Antidotal Efficacy of Chelating Agents on the Heavy Metal Intoxicated Fresh Water Fish <i>Cirrhinus Mrigala</i>	2008
Dr. B.Dominic Joshua	Vibrational Spectral Studies on Some Substituted Phenols And Benzoic Acid Derivatives and their Correlation with Quantum Chemical Calculations	2008
Mr.B.Samuel Ebinesar	Behavioural Study of Some Ferrofluids and Selected Biosamples By Ultrasonic Techniques	2008
R.Kesavasamy	Ultrasonic Studies on Ternary Liquid Systems And Electrolytic Solutions	2009
N.Shanmugam	Spectroscopic Estigation of Dredged Sediments Collected From The Palk Strait Region of Bay of Bengal, India	2009
N.Sundaramurthy	Acoustical Studies on Molecular Interactions In Ternary Liquid Mixtures	2011
R.Amutha	Synthesis And Characterization of Self-Assembled Semi Conductor And Magnetic Materials	2011

**40. Number of post graduate students getting financial assistance from the university?** - 10 students / year

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.** - Nil

**42. Does the department obtain feedback from**

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, this helps to improve the curriculum depending on the applicability of the particular topic and latest improvements. Hence suggestions will be incorporated in the curriculum where ever necessary.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, frequent teacher student meet is conducted for teaching-learning-evaluation which helps to alter and adjust the pedagogy of teaching learning. This also eases the student to grasp the essence.

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes, this helps to incorporate the recent updates in different fields of this science. Moreover the Alumini meet also help in placements of students.

**43. List the distinguished alumni of the department (maximum 10)**

Name of the Alumnus	Designation with work location
Dr.V.Sankaran	Chairman, Department of Physics, University of Venda for Science and Technology, Thohoyandou-0950, South Africa
Dr.V.Chandrasekaran	Scientist-G, Head, Magentic Materials Group and Materials Development Division, DMRL, Hyderabad
Dr.S.Viswanathan	Director, Regional Computer Centre for Geophysical Services, ONGC, Baroda
Col. Dr.L.Jayaraman	CO4TDR , IFTC, Jabalpur, Mathya Pradesh
Dr.K.Srinivasan	Scientist -G, Nuclear Power Corporation, Calcutta
Dr.S.Parthasarathy	Senior Scientific Officer, National Geophysical Laboratory (NGRI) Hyderabad
Dr.G.Krishnaprasad	Deputy General Manager (Geophysics), ONGC, Dehra Dun
Dr.S.Ragavendraramanan	Director, Meteorology Center, Nungambakkam, Chennai
Dr.M.Kamalakaran	Deputy Superintendent (Geophysics), ONGC, Dehra Dun
Dr.A.Ramalingam	Director for Admissions, Anna University, Chennai

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Expert Name	Date	Lecture Title
<b>Dr.V.Shanmugasundram Endowment Lecture Scheme</b>		
Dr.P.Ramaswamy, Director-Research, S.S.N. College, Chennai. (Former Vice-Chancellor, Algappa University, Karaikudi)	18-4-2007	Crystal Growth
Dr.J.Kumar, Director-Crystal Growth Centre, Anna University, Chennai	14&15, Dec'2009	Recent Advancements in Materials Science
Dr.S.R.Ramanan, Director-Regional Meteorological centre, Chennai	6-4-2011	Tropical Cyclone & Global Warming
<b>150th Ph.D. in Physics Awardees Celebration</b>		
Dr.K.R.Murali, Scientist -Electro Chemical Material Science, Division, CECRI, Karaikudi	2& 3, Apr'2008	Thin Films

#### 45. List the teaching methods adopted by the faculty for different programmes.

Conventional chalk & talk, lecturing, group discussion, seminars and audio visual aids like OHP, LCD, etc.

#### 46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

The department conducts internal examinations / Seminars/Assignments to monitor the learning potential of students. From the feedback obtained from faculty and student, we ensure that program objectives are constantly met.

#### 47. Highlight the participation of students and faculty in extension activities.

Students are actively engaged themselves in NSS, NCC and Youth Red Cross at regular interval.

#### 48. Give details of “beyond syllabus scholarly activities” of the department.

The department regularly conducts national and international workshops and conferences. In addition, a Research Colloquium is regularly organized in which research scholars deliver seminars on the latest developments in the field. Eminent scholars from within the University and from other institutions in India and overseas deliver lectures periodically under the aegis of the Physics Society. In addition, Students are also motivated to deliver talks on the topic of their own choice in current emerging field through the forum Physics Society every week.

#### 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. - Nil

#### 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. - Nil

#### 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

##### Strength

- Qualified Faculty
- Funding from National agencies
- Updated curriculum on the basis of UGC guidelines.
- Well stacked library
- Fully equipped laboratories

##### Weakness

- Poor enrollment in integrated PG program
- Mostly first generation learners as students
- Nonavailability of fellowship for research scholars
- Poor communication skills of students

##### Opportunities and Challenges

Opportunities provided by the statutory bodies like UGC, DST, State Govt. etc., would be fully exploited, to meet the challenges in the competitive world and to survive in the flourishing digital era.

#### 52. Future plans of the department.

It is proposed to start M.Sc. Medical Physics with a tie up of RMMC&H of our own University and TIFR expand research activities in emerging fields like applications of Nano science in Bio-physics, Medicine, etc.



## DEPARTMENT OF CHEMISTRY

**1. Name of the Department :** - Chemistry

**2. Year of establishment :** - 1929

**3. Is the Department part of a School/Faculty of the university?** - Yes, Faculty of Science

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated**

Masters; Integrated Ph.D., etc.)

M. Sc (Chemistry) – 2 year

M. Sc (Org. Chemistry) – 2 year (2007-10)

M. Sc (Chemistry) – 5 year Integrated Course

M. Phil (Chemistry)

Ph. D (Chemistry)

**5. Interdisciplinary courses and departments involved :** - Nil

**6. Courses in collaboration with other universities, industries, foreign institutions, etc. :** - Nil

**7. Details of programmes / courses discontinued, if any, with reasons**

M.Sc. Organic Chemistry was introduced in 2007 and was discontinued in the year 2010 from the curriculum due to non-eligibility for teaching job which resulted in poor admission.

**8. Annual/ Semester/Choice Based Credit System:-** Semester, choice based credit system

**9. Participation of the department in the courses offered by other departments**

Earth Sciences, Bio-Chemistry, Bio-technology, Bio-Informatics, Physics and Zoology

**10. Number of teaching posts sanctioned and filled sanctioned filled**

	Sanctioned *	Actual **
Professors	04	10
Associate Professors	08	03
Assistant Professors	14	16

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Includes the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

**11. Faculty profile with name, qualification, designation and specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. A. Manimekalai	M.Sc.,M.Phil.,Ph.D	Professor and Head	Inorganic Chemistry	37	2
Dr. SP. Meenakshisundaram	M.Sc.,Ph.D.	Professor	Physical Chemistry	34	1
Dr. K. Ramalingam	M.Sc.,Ph.D.	Professor	Inorganic Chemistry	26	2
Dr. S. Kabilan	M.Sc.,Ph.D.	Professor	Organic Chemistry	26	2
Dr. K. R. Sankaran	M.Sc.,Ph.D.	Professor	Physical Chemistry	26	-
Dr. M. Gopalakrishnan	M.Sc.,Ph.D.	Professor	Organic Chemistry	24	2
Dr. V. R. Parameswaran	M.Sc.,Ph.D.	Professor	Inorganic Chemistry	22	-
Dr. Sasmitha Das	M.Sc.,Ph.D.	Professor	Physical Chemistry	20	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. J. Jayabharathi	M.Sc.,Ph.D.	Professor	Organic Chemistry	18	2
Dr. M. Shanthi	M.Sc.,M.Phil.,Ph.D.	Professor	Inorganic Chemistry	15	-
Dr. K. Krishnasamy	M.Sc.,M.Phil.,Ph.D.	Professor	Physical Chemistry	15	2
Dr. N. Rajendiran	M.Sc.,M.Phil.,Ph.D.	Associate Professor	Physical Chemistry	15	1
Dr. S. Thirumaran	M.Sc.,M.Phil.,Ph.D.	Associate Professor	Inorganic Chemistry	14	1
Dr. RM. Sockalingam	M.Sc.,Ph.D.	Associate Professor	Physical Chemistry	13	
Dr. R. Baskaran	M.Sc.,M.Phil.,Ph.D.	Assistant Professor	Inorganic Chemistry	14	-
Dr. B. Karthikeyan	M.Sc.,M.Phil.,Ph.D.	Assistant Professor	Physical Chemistry	13	1
Dr. H. Manikandan	M.Sc.,M.Phil.,Ph.D.	Assistant Professor	Organic Chemistry	11	-
Dr. G. Thirunarayanan	M.Sc.,M.Phil.,Ph.D.	Assistant Professor	Organic Chemistry	10	-
Dr. R. Rajalakshmi	M.Sc.,M.Phil.,Ph.D.	Assistant Professor	Organic Chemistry	9	-
Dr. G. Rajarajan	M.Sc.,M.Phil.,Ph.D.	Assistant Professor	Inorganic Chemistry	9	-
Dr. V. Sughanya	M.Sc.,M.Phil.,Ph.D.	Assistant Professor	Organic Chemistry	9	-
Dr. C. Anbuselvan	M.Sc.,M.Phil.,Ph.D.	Assistant Professor	Physical Chemistry	8	-
Mr. S. Srinivasan	M.Sc.,M.Phil.,Ph.D.	Assistant Professor	Inorganic Chemistry	8	-
Dr. V. K. Subramanian	M.Sc.,Ph.D.	Assistant Professor	Inorganic Chemistry	8	-
Dr. S. Senthil Velan	M.Sc.,M.Phil.,Ph.D.	Assistant Professor	Physical Chemistry	7	-
Dr. I. Muthuvel	M.Sc.,M.Phil.,Ph.D.	Assistant Professor	Inorganic Chemistry	7	-
Dr. K. Rajeswari	M.Sc.,M.Phil.,Ph.D.	Assistant Professor	Organic Chemistry	7	-
Dr. B. Arul Prakasam	M.Sc.,M.Phil.,Ph.D.	Assistant Professor	Organic Chemistry	7	-
Mr. G Manikandan	M.Sc.,M.Phil.	Assistant Professor	Physical Chemistry	7	
Mr. S. Senthnan	M.Sc.,M.Phil.	Assistant Professor	Organic Chemistry	7	
Ms. P Vijaya	M.Sc.,M.Phil.	Assistant Professor	Physical Chemistry	7	
Mr. P. Mayavel	M.Sc.,M.Phil.,Ph.D.	Assistant Professor	Organic Chemistry	5	-
Ms. P. Girija	M.Sc.,M.Phil.	Assistant Professor	Organic Chemistry	5	
Ms. A T Alphonsa	M.Sc.,M.Phil..	Assistant Professor	Inorganic Chemistry	5	
Mr. S Anand		Programmer		7	

## 12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:

Emeritus faculty: Dr. M. Swaminathan, Dr. C. Karunakaran

**13. Percentage of classes taken by temporary faculty – programme-wise information:-** Nil

**14. Programme-wise Student Teacher Ratio: -** 1:20

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:-** Administrative Staff: 33; Technical Staff: 8

**16. Research thrust areas recognized by funding agencies:**

The Department is actively involved in research in the following areas:

- Synthesis, structural analysis and biological evaluation of heterocyclics
- Green synthesis of biologically active molecules
- Synthesis of nanomaterials for photocatalytic and bactericidal applications
- Synthesis of transition metal complexes as green emitters
- Synthesis of bimetallic nanoparticles to optosense DNA bases
- Environmental remediation through semiconductor photocatalysis
- Study of molecules and inclusion complexes in excited state through fluorescence
- Growth and characterization of NLO materials
- Structural variations of metal complexes in  $MS_4$ ,  $MS_4N_2$  and  $MS_2PN$  coordination environments
- Structural and optoelectronic properties of NLO chromophores by computational techniques
- Drug design and discovery
- Material Science and solid state chemistry
- Synthesis of Heterocyclics

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Title of the Project	PI	Funding Agency	Duration	Amount Sanctioned Rs.
UGC SAP - Chemistry	Dr. C. Karunakaran	UGC	2007-2012	4500000
DST FIST - Chemistry	Dr. C. Karunakaran	DST	2009-2014	20000000
UGC Non SAP	Dr. A Manimekalai	UGC	2007-2010	4000000
"Magnetically separable ZnO-shell with iron oxide-core nanomaterials for photocatalytic applications"	Dr. C. Karunakaran	SERB (DST)	2011-2014	29,55,680
Development of Eco Brnign Photocatalysts for Environmental Remediation and Organic Synthesis	Dr. M. Swaminathan	CSIR	2010-2013	1596000
Crystal Growth and Characterization of metalthionia (symmetrical / unsymmetrical) complexes transition metal dropping effects	Dr. SP. Meenakshisundaram	DST	2011-2014	2273669
Synthesis and characterization of MnO <sub>2</sub> based metal ion intercalated Scrubbers	Dr. K. Ramalingam	CSIR	2010-2013	951000

Title of the Project	PI	Funding Agency	Duration	Amount Sanctioned Rs.
Synthesis, Biological evaluation, structure-activity relationship and docking study of 2,6-DIARYL-1-Heteracyclohexan-4-YL-5-Spiro-1,4(H)-Thiadiazolidin (2,3-b)-1,3,4-Triazolidine and 2,6-Diaryl-1-Heteracyclohexan-4-YL-5-Spiro-1,4(H)-Thiazolo(3,4,-)thiadiazoles	Dr. S. Kabilan	UGC	2011-2014	1187800
Development of glycogen synthase kinase - 3B inhibitors for neurogenesis in neurogenerative disorders	Dr. S. Kabilan	DBT	2011-2014	6611000
Design, Synthesis, Molecular Modeling and Biological Studies of Ethyl 2-[(2,4-Diaryl]-3-Azabicyclo[3,3,1] nonan-9-ylidene)Hydrazono)-4-methyl-2, 3-Dihydrothiasole -5-carboxylate and Ethyl 2-5-Carboxylate E) Hydrazono)-4-oxothiazolodine-5-Carboxyl	Dr. S. Kabilan	CSIR	2011-2014	1622000
	Dr. S. Kabilan	DBT(NEC)	2012-2015	17980000
Design, Synthesis, Physical & Analytical Characterization, Antibacterial and Antifungal Activities of Novel Pyrimidine Derivatives comprising Biolabile Morpholine and piperazine Nuclei	Dr. M. Gopalakrishnan	CSIR	2009-2012	1026000
A Green Chemical approach towards effluent treatment and disposal of dilute acids waste generated from synthesis on promising energetic materials using fly ash	Dr. M. Gopalakrishnan	MoEF	2010-2012	949946
Synthesis of cyclometalated iridium (III) complexes and their applications in organic light emitting devices	Dr. J. Jayabharathi	UGC	2009-2012	1045800
Synthesis and Characterisation of Luminescent Chemosensors	Dr. J. Jayabharathi	DRDO	Sanctioned 2010	3316043
Synthesis and photophysical and electroluminescent studies of some heteroleptic iridium complexes	Dr. J. Jayabharathi	DST	Sanctioned 2010	2710000
Synthesis and Characterisation of nano bimetallic sensors	Dr. B. Karthikeyan	UGC	2010-2013	514800
A study on the morphogenesis of scale and its preclusion - an atomistic approach	Dr. V.K. Subramanian	UGC	2010-2013	711800
Preparation and characterization of nano metal oxide doped sol-gel films for technological application	Dr. S. Senthilvelan	UGC	2011-2014	679800
Total				74631338

## 18. Inter-institutional collaborative projects and grants received

### a) All India collaboration

b) International : - Inter-institutional collaborative projects:

b) National :- Indian Institute of Advanced Scientific Research, Guwahati  
PSG college of Pharmacy, Coimbatore  
Cavin Kare (P) Ltd., Chennai

## 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.

### Details of UGC-SAP (DRS-1) support in the Department of Chemistry, Annamalai University for the period 2007 - 2012

Date of First approval with level at inception	:	28.2.2007; DRS-I
Date of implementation of current phase as noted by the UGC	:	01.04.2007
Status	:	DRS-I
Period of report (CAS/DSA/DRS with PHASE)	:	1.4.07 to 31.3.2012
Amount allocated for 5 years	:	45 lakhs

Non Recurring	Recurring	Total
35 lakhs	10 lakhs	45 lakhs

Coordinator's Name	:	Prof. A. Manimekalai, Professor & Head
Date of first sanction	:	28.2.2007

### Details of DST FIST

Budget Heads	Amount Sanctioned (Rs.)	Date of Sanction
a. Equipment		17.03.2010
• 400 MHz NMR Spectrometer	1,15,00,000/-	17.03.2010
• Powder XRD	50,00,000/-	
b. Infrastructure	20,00,000/-	17.03.2010
c. Networking	Nil	-
d. Maintenance	15,00,000/-	17.03.2010
e. Total	2,00,00,000/-	

## 20. Research facility / centre with

- state recognition - Nil
- national recognition - Nil
- international recognition - Nil

## 21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

## 22. Publications: (Annexure A)

- Number of papers published in peer reviewed journals (national/ international): 615 (Annexure - I)
- Monographs : Nil
- Chapters in Books : Nil
- Edited Books : Nil
- Books Published
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Nil
- Citation Index - range / average :
- SNIP & SJR :
- Impact Factor - range / average :
- h-index :

## 23. Details of patents and income generated

Patents filed:

**Dr. M. Gopalakrishnan**

1. Improved synthesis of 2-hydroxy naphthoquinone (Lawsone) and its analogues. (Patent Number: 2140/CHE/2009 dated 04-09-2009)
2. Dendrite elongation inhibition agents from artocarpus altilis (Bark). (Patent Number: 632/CHE/2010 dated 10-03-2010)
3. A skin lightening agent inhibiting dendrite elongation from *Crotalaria medicaginea*. (Patent Number: 3045/CHE/2011 dated 05-09-2011)

**Dr. J. Jayabharathi** - Novel Iridium (III) complexes (PATENT NO 3212/CHE/2010)

Income generated : Nil

**24. Areas of consultancy and income generated** : Nil

## 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad

**Dr. S. Nagarajan, Professor of Chemistry**

1. Guest researcher - **International** Center for Materials Nanoarchitectonics (MANA), NIMS, Tsukuba, Japan (13<sup>rd</sup> May to 11<sup>th</sup> June, 2011).
2. Guest researcher - **International** Center for Materials Nanoarchitectonics (MANA), NIMS, Tsukuba, Japan (23<sup>rd</sup> May to 8<sup>th</sup> July, 2010).
3. Visiting Fellowship of *CNRS France*, 2008, May -July, 2009, Nanoscience group, CEMES-CNRS, France.
4. *BOYSCAST* fellowship awarded by Ministry of Science & Technology, Govt of India, worked with Nanoscience group of CEMES- CNRS, Toulouse, France, *March*, 2007- March, 2008.

## 26. Faculty serving in

**a) National committees b) International committees c) Editorial Boards d) any other (please specify)**

a) National committees: Dr. C. Karunakaran - Ugc National Committee  
 Dr. A. Manimekalai - UPSC  
 Dr. SP. Meenakshisundaram - UPSC

b) International Committees: - Nil

c) Editorial Boards:

Dr. M. Gopalakrishnan - Journal of Enzyme Inhibition and Medicinal Chemistry (Impact factor: 1.630)

## 27. Faculty recharging strategies:

Associate Professors and Assistant Professors are attending refresher/orientation course as per the UGC guidelines.

## 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects: 100% (M.Sc. Organic Chemistry Students (2007-2009) Have Undertaken Project Work In The Iv Semester)
- percentage of students doing projects in collaboration with other universities /industry/ institute : - Nil

## 29. Awards / recognitions received at the national and international level by

### Faculty

1. Dr. K. R. Sankaran, Professor of Chemistry received Best teacher award from Chemical Research Society of India in 2010
2. Dr. S. Nagarajan, Professor of Chemistry
  - a. Visiting Fellowship of *CNRS France*, 2008, May –July, 2009, Nanoscience group, CEMES-CNRS, France.
  - b. *BOYSCAST* fellowship awarded by Ministry of Science & Technology, Govt of India, worked with Nanoscience group of CEMES- CNRS, Toulouse, France, *March*, 2007- March, 2008.

### Doctoral / post doctoral fellows

9 Ph.D students are selected for post-doctoral fellowship in South Korea, Japan, United States, Spain and Singapore

Students : Nil

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

### a) National

Source of funding: UGC unassigned, DST, CSIR, DRDO, TNGST, BNRS, UGC-SAP

Title	Convener	Date	Outstanding Participants
National Workshop on "Instrumental Techniques in Chemistry"	Dr. M. Swaminathan	3rd & 4th November, 2007	Prof. Prasath, VSSC, Trivandrum
National Seminar on "Theoretical and Chemical Sciences"	Dr. A. Manimekalai	22nd & 23rd February, 2008	Prof. Venuvalingam, Bharathidasan University
National Conference on "Emerging Trends in Chemical Research"	Dr. K. Ramalingam	17th & 18th October, 2008	Prof. M. Gopalakrishnan, IISc, Bangalore
Lecture - Workshop Programme On "Synthetic and Structural Chemistry"	Dr. K. Pandiarajan	21st & 22nd March, 2009	Prof. K. K. Balasubramanian, Shasun Fine Drugs
National Conference on "Materials Science"	Dr. SP. Meenakshisundaram	9th & 10th October, 2009	Dr. Bhagavannarayana, NPL, New Delhi
National Seminar on "New Frontiers in Chemistry"	Dr. S. Kabilan	15th & 16th March, 2010	Dr. K. K. Balasubramanian, Shasun Fine Drugs, Chennai Dr. R. Jayaraman, IISc, Bangalore Dr. S. Chandrasekaran, IISc, Bangalore Dr. S. K. Dogra, IISER, Bhopal
National Seminar on "Chemistry of Nanomaterials and Molecular Dynamics"	Dr. C. Karunakaran	30th & 31st December, 2010	Dr. V. S. Arunachalam, Former Advisor to the Ministry of Defence
National Seminar on "Novel Synthetic and Computational Strategies in Chemical Sciences"	Dr. K. R. Sankaran	28th & 29th March, 2011	Dr. K. Baskar, IIT, Chennai
National Seminar on "Recent Trends in Synthetic Methods and Chemistry of Natural Products"	Dr. M. Gopalakrishnan	14th & 15th October 2011	Dr. Sikdar, DRDO, Pune (HEMRD)
National Seminar on "New Vistas in Catalysis and Surface Science"	Dr. V. R. Parameswaran	16th & 17th March 2012	Prof. Dr. N. N. Nambudari, IIT, Bombay

### b) International: Nil

### 31. Code of ethics for research followed by the departments

- The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices (GRP).
- The research students pursuing their M.Phil and Ph.D. programmes do a course work on Research methodology, in which they are taught all the ethical issues related to conducting experiments and reporting data. In addition, research students also attend a Research Methodology Workshop where they are trained in research ethics including ethical guidelines for writing theses and research papers.

### 32. Student profile course-wise:

Course	Year	Applications received	Registered	Men	Women
M.Sc. Chemistry	2007-2008	634	162	126	36
	2008-2009	252	158	115	43
	2009-2010	354	144	104	40
	2010-2011	328	174	137	37
	2011-2012	200	114	80	34
M.Sc. Organic Chemistry	2007-2008	45	22	19	3
	2008-2009	45	41	32	9
	2009-2010	51	35	30	5
M.Sc. V year Integrated Chemistry	2007-2008	110	45	29	16
	2008-2009	107	47	35	12
	2009-2010	122	57	40	17
	2010-2011	71	34	25	9
	2011-2012	100	59	35	24

### 33. Diversity of students:

Name of the Course (refer question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from the universities of other States	% of students from abroad
M. Sc (Chemistry)	Nil	90%	10%	Nil
M. Sc (Organic Chemistry)	Nil	60%	40%	Nil
M. Sc (Chemistry) – 5 year Integrated Course	Nil	99%	1%	Nil
M. Phil (Chem)	50%	70%	30%	Nil
Ph. D (Chem)	50%	50%	Nil	Nil

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. : GATE: 4

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	UG course not available
PG to M.Phil.	45 %
PG to Ph.D.	15 %
Ph.D. to Post-Doctoral	10 %
Employed	
• Campus selection	15 %
• Other than campus recruitment	50 %
Competitive Exams	
State	10 %
National level	12%



**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	87 %
from other universities within the State	10%
from universities from other States	3%
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period :- 3****38. Present details of infrastructural facilities with regard to**

a) Library : Area : 40 Sq.Mts.  
 No. of Books : 6340/160  
 No. of Journals : 6

b) Internet facilities for staff and students : 15 nos.

c) Total number of class rooms : For M.Sc Students : 7; M. Phil Students : 1

d) Class rooms with ICT facility : Nil

Students laboratories : 6  
 Research laboratories For M.Phil students : 1  
 For Ph.D scholars : 4  
 For Instruments : 2

**39. List of doctoral, post-doctoral students and Research Associates**

a) from the host university : 50

b) from other universities : 8\*

Name	Year Awarded	Name	Year Awarded	Name	Year Awarded
Dr. G. Aridoss*	2007	Dr. J. Thanusu	2011	Dr. N. Alexander	2010
Dr. R. Rajalakshmi	2007	Dr. S. Umamatheswari*	2011	Dr. G. Marimuthu	2010
Dr. S. Manivarman	2008	Dr. D. Srividhya	2010	Dr. V. Vimalraj	2010
Dr. P. Suresh Kumar	2008	Dr. J. Dharmaraja	2010	Dr. V. Srinivasan	2011
Dr. P. Parthiban*	2008	Dr. G. Nagarajan	2011	Dr. K. Rajeswari*	2011
Dr. K. Murugavel	2008	Dr. S. Chitra	2011	Dr. C. Yuvaraj	2012
Dr. P. Sivakumar	2008	Dr. R. Ramachandran	2011	Dr. M. Padmavathy	2012
Dr. R. Venkataramanan	2009	Dr. R. Rajamohan	2011	Dr. K. Selvam	2012
Dr. M. Shanmugam	2009	Dr. C. Raju	2010	Dr. S. Sylvestre	2012
Dr. T. Stalin	2009	Dr. S. Sivakumar	2010	Dr. K. Saravanan	2012
Dr. R. Baskaran	2009	Dr. V. Kanagarajan	2011	Dr. C. Sankar	2012
Dr. S. Kamatchi	2009	Dr. T. Hemalatha*	2010	Dr. G. Manikandan	2012
Dr. R. Govindaraju	2009	Dr.P. Amudha	2009	Dr. S. Srinivasan	2012
Dr. S. Parthiban*	2009	Dr. S. Gurumurthy	2009	Dr. B. Krishnakumar	2012
Dr. R. Dhanalakshmi	2009	Dr. S. Senguttuvan	2010	Dr. R. Thanavelan*	2012
Dr. S. Jayanthi	2010	Dr. M. Rani	2011	Dr. G. Sivasubramanian	2012
Dr. P. Anil Kumar*	2011	Dr. I. Muthuvel	2011	Dr. P. Gomathi Sankar	2012
Dr. D. Devanathan	2011	Dr. N. Srinivasan	2011	Dr. A. Antony Muthu	2012
Dr. A. Thangamani*	2010	Dr. M. R. Ezhilarasi	2011	Prabhu	
Dr. L. Ravichandran	2010	Dr. A. Balamurugan	2011		

**40. Number of post graduate students getting financial assistance from the university?**

Nil

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

Nil

**42. Does the department obtain feedback from**

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes. Positively for the improvement of the faculty and the students

b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. Proper remedial measures have been taken and appropriately implemented

c) alumni and employers on the programmes offered and how does the department utilize the feedback?

No. However alumni and employers are regularly visiting the departments during conferences and seminars, for some they are sponsoring too. During that course, their suggestions for the improvement of the department, faculty and students are well received and reciprocated.

**43. List the distinguished alumni of the department (maximum 10)**

Dr. N. Sathyamoorthy	Director, IISER, Mohali
Dr. N. Jayaraman	Bhatnagar Awardee, Professor of Organic Chemistry, IISc, Bangalore
Dr. S. Perumal	Professor & Head, School of Chemistry, MKU
Dr. G. Kumaravel	Vice-President, BioGen Inc., Bostan, USA
Mr. C. K. Ranganathan	President, Cavin Kare (P) Ltd., Chennai
Dr. C. S. Venkatesan	Vice-President, Gland Pharma, Hyderabad
Dr. V. Palaniappan	Deputy Director, Kyoto Medical Services, Japan
Dr. S. Mohan	Director, Pollution Control Board, Tamilnadu
Mr. S. Ambigapathi	Director, Raindew Mineral Water and Kadal shampoo
Dr. S. Arul	Tirnal Health Care Ltd. Chennai

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- a. Every year, 2 lectures are being delivered by experts in different fields of Chemistry under the following
  - Prof. V. Baliah Endowment
  - Dr. R. Gurumurthy Mangalam Endowment
- b. Under the auspices of the Chemical Society and Research Colloquium every year 3 lectures are being arranged for the benefit of students

**45. List the teaching methods adopted by the faculty for different programmes.**

- Chalk and talk method during lecture hour duration
- Usage of overhead and LCD projectors
- Conducting tutorials and seminar classes
- Smart class room is available
- Continuous assessment of the students using periodic class test and internal assessment test both in practical and theory twice a semester
- Arrangement of industrial visits
- Exposing the students to expert lectures in chemical society

**46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Continuous assessment of the students using periodic class test and internal assessment test both in practical and theory twice a semester

**47. Highlight the participation of students and faculty in extension activities.****NSS**

Dept. of Chemistry is holding NSS units No.12 and 39

Male: 100; Female:100

Totally 7 camps were conducted in rural areas and every year compulsorily 2 camps are to be conducted

Besides, temple cleaning, coastal cleaning, plastic materials removing, e-waste collection, adventure camp, cycle expedition and motor cycle rally during birth day of Rajivgandhi from Annamalainagar to Sriperumbudur

**Red Cross**

Blood donation camps are conducted and students are Donating blood thrice annually

**48. Give details of “beyond syllabus scholarly activities” of the department.**

Every week, 4 lectures are being given by students and research scholars through Chemical Society and Research Colloquium respectively.

Quiz programmes are also conducted concerned with chemistry and general subjects.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details : Nil****50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

Twice a year, under the SAP programme two conferences in national level are conducted. The M.Sc students are allowed to participate ensuring the students to enrich their knowledge in the recent development in chemistry

The students are exposed to newer areas in chemistry through endowment lectures and special lectures in the Dept. of Chemistry

## 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

### Strengths

- Good Students-Faculty ratio
- Good laboratories
- Ongoing individual major projects: 15 nos.
- Advanced research instrumentation facility
- Excellent Library facility

### Weaknesses

- Rural students with poor English language
- Lack of internet facility to the students
- Need of Modernised library
- Further improvement in Lab facilities
- Lack of industry/institute interaction

### Opportunities

- Employment opportunities and In-plant training in SIPCOT industries.
- Opportunities in doing dual degree systems.
- Experiencing a good research environment.

### Challenges

- To clear competitive examinations
- 
- To undertake research in the areas of nanotechnology, supramolecular chemistry, drug design and discovery, optoelectronics, materials Science and photochemistry.
- Industrial Training.
- Creating leadership qualities and Entrepreneurship in students.

## 52. Future plans of the department.

- Improvement of the research facility by the procurement of high end instruments like Single Crystal XRD, AFM, TEM, LCMS, HPLC.
- Furthermore improvement in the laboratory facilities, smart class rooms, classed with audio visual aids
- Conducting bridge courses for the incoming students in particular to enhance the English language understanding.

## DEPARTMENT OF BOTANY

- 1. Name of the Department** : - Botany
- 2. Year of establishment** : - 1932
- 3. Is the Department part of a School/Faculty of the university?** :- Yes Faculty of Science
- 4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

P.G. : M.Sc. Botany (CBCS)/M.Sc. Botany (Integrated)/M.Sc. Herbal Science (Integrated)

M.Phil. : Botany/Herbal Science/Plant Biology & Plant Biotechnology

Ph.D. : Botany/Herbal Science/Plant Biology & Plant Biotechnology

**5. Interdisciplinary courses and departments involved - 01**

M.Sc Herbal Science - is a multi-disciplinary programme, handled by the following 14 departments of this University

- |   |                             |                     |
|---|-----------------------------|---------------------|
| 1. Botany;                                  | 2. Horticulture;            | 3. Pharmacy;        |
| 4. Agricultural. Botany;                    | 5. Agricultural Entomology; | 6. Plant pathology; |
| 7. Soil science and Agricultural Chemistry; |                             |                     |
| 8. Agricultural Economics;                  | 9. Computer science;        | 10. Statistics;     |
| 11. English;                                | 12. Tamil;                  | 13. Civics;         |
| 14. Political Science                       |                             |                     |

**6. Courses in collaboration with other universities, industries, foreign institutions, etc. - Nil**

**7. Details of programmes / courses discontinued, if any, with reasons -**

Nil

**8. Annual / Semester / Choice Based Credit System -**

Semester & Choice Based Credit System

**9. Participation of the department in the courses offered by other departments**

The subjects related to Botany offered by other sister departments are handled by the faculty members of Botany

Four optional papers: 1. Plant Science I, 2. Plant Science II,  
3. Plant Tissue culture 4. Gardening and Horticulture.

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned*	Actual**
Professors	01	05
Associate Professors	03	10
Asst. Professors	09	19

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Includes the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

**11. Faculty profile with name, qualification, designation and specialisation (D.Sc./ D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of research students working for Ph.D
Dr.K.Arumugam,	M.Sc., Ph.D	Prof.& Head	Plant Physiology	21	1
Dr. R. Panneerselvam,	M.Sc., M.Phil., Ph.D.,	Professor	Salt stress Physiology, Bio-reclamation of Salt affected soils.	37	5
Dr. P. Sundaramoorthy	M.Sc., M.Phil., Ph.D.,	Professor	Water pollution and Effluent toxicity	17	3
Dr. K.C. Ravindran,	M.Sc., Ph.D	Professor	Physiology of Mangroves & Photobiology , Bioreclamation of salt affected soil	17	3
Dr. P. Thamizhiniyan,	M.Sc., M.Phil., Ph.D	Professor	Water pollution Ecology	17	5
Dr. R. Ranganathan,	M.Sc., M.Phil., B.Ed., Ph.D	Assoc. Prof.	Stress Physiology	16	1
Dr. K. Sivakumar,	M.Sc., M.Phil., Ph.D	Assoc. Prof.	Algal Biotechnology	12	5
Dr. AL.A. Chidambaram,	M.Sc., M.Phil., Ph.D	Assoc. Prof.	Cytotaxonomy and Cytogenetics	16	2
Dr. P. Vijayarengan,	M.Sc., M.Phil., Ph.D	Assoc. Prof.	Pollution Ecology	15	2
Dr. P. V. Murali,	M.Sc., M.Phil., Ph.D	Assoc. Prof.	Stress Physiology	15	2
Dr. L. Mullainathan,	M.Sc., M.Phil., B.Ed., Ph.D	Assoc. Prof.	Cytogenetics	14	3
Dr. R. Somasundaram,	M.Sc., M.Phil., Ph.D	Assoc. Prof.	NaCl Stress Physiology	14	1
Dr. S. Natarajan,	M.Sc., M.Phil., Ph.D	Assoc. Prof.	Mangrove Physiology	14	1
Dr. D. Dhanavel,	M.Sc., M.Phil., Ph.D	Assoc. Prof.	Plant Breeding & Cytogenetics	14	3
Dr. P.S. Sharavanan,	M.Sc., M.Phil., Ph.D	Asst. Prof.	Heavy metal Pollution Ecology	13	4
Dr. R. Gopi,	M.Sc., M.Phil., Ph.D	Asst. Prof.	Plant Growth Regulation	12	3
Dr. M. Gomathinayagam,	M.Sc., M.Phil., B.Ed.,Ph.D	Asst. Prof.	Plant Growth Regulation	11	1
Dr. M. Selvaraju,	M.Sc., M.Phil., B.Ed.,Ph.D	Asst. Prof.	Aquatic Ecology	11	2
Dr.K.Ramakrishnan,	M.Sc., M.Phil., Ph.D	Asst. Prof.	Environmental Biology	11	2
Dr. R. Sridharan,	M.Sc., Ph.D	Asst. Prof.	Plant Physiology	11	2
Dr. G.M. Alagu Lakshmanan,	M.Sc., M.Phil., Ph.D	Asst. Prof.	Stress Physiology	10	1
Dr. C. Anbazhagan,	M.Sc., Ph.D	Asst. Prof.	Bio-Effluent treatment	10	2
Dr. R. Desingh,	M.Sc., M.Phil., Ph.D	Asst. Prof.	Stress Physiology	9	2

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of research students working for Ph.D
Dr. M. Anbazhagan,	M.Sc., Ph.D., PGDCA	Asst. Prof.	Bio-Technology	8	4
Dr. R. Rajendran,	M.Sc., B.Ed., M.Phil., Ph.D	Asst. Prof.	Cytotaxonomy and Cytogenetics	7	1
Dr. Ms. Haseena Rafath,	M.Sc.,B.Ed., Ph.D.,D.Sc	Asst. Prof.	Medicinal Plants	7	-
Dr. M. Chandrasekaran,	M.Sc.,M.Phil., Ph.D	Asst. Prof.	Pollution Ecology	7	1
Dr. L. Baskaran,	M.Sc.,M.Phil., Ph.D	Asst. Prof.	Plant Physiology	6	1
Dr. T.Sivakumar,	M.Sc., M.Phil., Ph.D	Asst. Prof.	Physiology of Senescence	7	1
Dr. P. Manivannan	M.Sc.,M.Phil., Ph.D	Asst. Prof.	Stress Physiology	6	1
Dr. (Ms). D. Kavitha,	M.Sc.,B.Ed.,M.Phil., Ph.D.	Asst. Prof.	Plant Physiology	5	-
Dr.D. Raajasubramanian,	M.Sc.,M.Phil (Ph.D)	Asst. Prof.	Ecology	5	-
Dr. S. Prabakaran,	M.Sc., Ph.D	Asst. Prof.	Environmental Biology	5	1

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors - Nil.**

**13. Percentage of classes taken by temporary faculty – programme-wise information- NA**

**14. Programme-wise Student Teacher Ratio - 1:5**

Programme	Student Teacher Ratio
M.Sc.	2:1
M.Phil.	1:1
Ph.D.	2:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled -**

	Actual
Technical and Administrative Staff	19

**16. Research thrust areas recognized by funding agencies**

M.Phil. and Ph.D. Research Programmes are being pursued in the following areas

- Salt Stress Physiology
- Bio-reclamation of salt affected soils
- Bioactive compounds from Plant origin
- Triazole induced growth and metabolism in plants
- Physiology of salt tolerance in Mangroves
- Stress Physiology in crop plants
- Drought/ Salt Tolerance in Millets
- Bioactive peptides from medicinal plants
- Cytotaxonomy and Biosystematics
- Ecophysiological studies on effluent toxicity
- Molecular Profiling of Mangroves
- Mutation breeding in pulses.

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Principal Investigator	Title	Agency	Period	Amount Rs.
Dr.M.Anbazhagan	In vitro propagation of <i>Stevia</i>	UGC	2007 - 2010	580920
Dr. L. Mullainathan	Effect of Gamma irradiation on the crop Improvement in <i>Vigna mungo</i> (L.) Hepper Var. Vamban - 1.	UGC	2007 - 2010	510600
Dr. R. Selvaraj	Mutation studies in <i>Jatropha curcas</i> using gamma rays and EMS	UGC	2008- 2011	511800
Dr. K.C. Ravindran	Restoration of Tsunami affected agricultural lands in Tamil Nadu coast by using salt accumulating halophytes	UGC	2009 - 2012	664300
Dr. C. Anbazhagan	Biodiversity and Bioaccumulation of heavy metals in Seaweed species from Uppanar Estuary, Cuddalore, TamilNadu	UGC	2009 - 2012	734300
Dr. V. Venkatesalu	Isolation of larvicidal compounds from plant origin against <i>Culex quinquefasciatus</i> , <i>Aedes aegypti</i> and <i>Anopheles stephensi</i>	DRDE	2009- 2010	495000
Dr.D.Dhanavel	Induced Mutagenesis in cowpea ( <i>Vigna unguiculata</i> (L) Walp.) using gamma rays	TNSCST -DBT	2009- 2010	10000
Dr. V. Venkatesalu	Isolation and characterization of antiplasmodial compound from traditionally used medicinal plants	DRDO	2009- 2012	2469340
Dr. R. Panneerselvam	Conservation, propagation and genetic variations of three <i>RET</i> Mangrove species ( <i>Xylocarpus mekongensis</i> , <i>X.granatum</i> and <i>Excoecaria agallocha</i> ), of Pichavaram mangroves, Tamil Nadu.	DBT, Ministry of Science & Technology	2009- 2012	3748000
Dr.K. Sivakumar	Seaweeds of fertilizer use on <i>Vigna mungo</i> and their effect on growth and yield by image analysis	UGC	2010- 2013	311500
Dr.R.Gopi	Molecular profiling in identification of <i>Bacopa monnieri</i> (L.) pennell ecotype variant for bacoside production	UGC	2010- 2013	889300
Dr.D.Dhanavel	Induced Mutagenesis in cowpea ( <i>Vigna unguiculata</i> L.) using Gamma rays	UGC	2011- 2014	675300
Dr.M. Anbazhagan	In vitro production and Isolation of bioactive metabolites from <i>hybanthus enneaspermus</i> (L.) F. Muell.	UGC	2011- 2014	711800
Dr.R.Rajendran	Induced Mutation studies on sesame ( <i>Sesamum Indicum</i> L.)	UGC	2011- 2014	281000
Dr.V.Venkatesalu Dr.P. Sundaramoorthy	Screening of mangroves and halophytes for antimalarial molecule against Chloroquine sensitive strain of <i>plasmodium falciparum</i>	DRDE, Gwalior	2011- 2014	489500
Dr.M.Chandrasekaran	Bioactive molecule from marine macro algae against multi-drug resistant bacterial strains	UGC	2011- 2014	839800
Dr.V.Venkatesalu	Isolation and identification of anticandidal compounds from <i>Cassia</i> species	ICMR	2011- 2014	1606200



Principal Investigator	Title	Agency	Period	Amount Rs.
Dr. L. Mullainathan	Effect of gamma irradiation on the crop improvement in chilli (capsicum annum L.) car K-1	UGC	2012-2015	1107800
Dr. S. Natarajan	A study on the mechanism of adaptability of Mangrove associates to saline condition	UGC	2012-2015	1104800
Dr. R. Sridharan	The effect of triazole compounds on growth and yield of radish (Raphanus sativus L.)	UGC	2012-2015	1031800
Dr. M.Selvaraju	Toxic Algal Blooms of Perumal Lake and Eutrophic ponds of Chidambaram Taluk	UGC	2012-2015	1208800
Dr.M.Gomathinayagam	Conservation, propagation and genetic variation analyses of endangered mangrove spices (Ceriops decandra) of Pichavaram, Tamilnadu	UGC	2012-2015	738300
Dr.G.M.Alagu Lakshmanan	Identification of selective molecular markers in the Genotypes of plectranthus forskholii (wild) briq for high forskolin content	UGC	2012-2015	792800
Dr.P.S.Sharavanan	Phytoremediation of Hexavalent chromium polluted soil using some ornamental plants	UGC	2013-2016	1159800
Dr.S.Prabakaran	Studies on the utilization of press mud through vermicomposting	UGC	2013-2016	874800
Dr.P.Manivannan	Triazole induced drought stress amelioration in Zea mays K.(maize)	UGC	2013-2016	974800
Dr.P.V.Murali	Drought tolerance and adaptation mechanism in paspalum scrobiculatum L. land races of Tamilnadu.	UGC	2013-2016	1024800

### 18. Inter-institutional collaborative projects and grants received - Nil

### 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.

Principal Investigator/ Co- Investigator	Title	Agency	Period	Amount Rs.
Dr.R.Panneerselvam- Co-ordinator	UGC-SAP -DRS- Phase II	UGC, New Delhi	2009-2014	6900000
Dr.R.Panneerselvam- Co-ordinator	DST-FIST - Phase II	DST-FIST,New Delhi	2009-2014	7450000

### 20. Research facility / centre with

- state recognition - Nil
- national recognition - Nil
- international recognition - Nil

### 21. Special research laboratories sponsored by / created by industry or corporate bodies - Nil

### 22. Publications:

- Number of papers published in peer reviewed journals (national / international) - 521 (Annexure - I)
- Monographs : Nil

- **Chapters in Books** : 3
- 1. Sankarganesh,K, ALA.Chidambaram, P.Sundaramoorthy, L.Baskaran and M.Selvaraju. 2008. Chapter 3. Influence of chromium and cadmium on generation, seedling growth and photosynthetic pigments of Soybean (*Glycine max* (L) Merr. Envionformatics (Ed. Prof. Aravindkumar). 29-32. Daya publishing Home, Delhi.
- 2. Sundaramoorthy,P, K.Sankar ganesh, L.Baskaran, ALA. Chidambaram and S.Natarajan, 2008. Chapter 7- Studies on the effect of Bavistin (*Carbendazim*) an seed germination and growth of some vegetable crops. Lbid., 57-61
- 3. Baskaran,L, P.sundaramoorthy, K.Sankarganesh, K.Jeyakumar and P.Vijayarengan. 2008. Chapter 22- Response of greengram (*Vigna radiate* L. wilczek) to raw and biological treated sugar mill effluent in Environmental issues and solutions. (Ed. Arvind kumar and Pashupathi Kumar Roy). 125-130 (ISBN): 1081 - 7035-4919, Daya publishing house , Delhi.
- **Edited Books** - NIL
- **Books with ISBN with details of publishers** - 01
  - Titel of the Book - Mangroves – The Tidal Forest
  - Name of the Author – Dr.R.Pannnerselam
  - ISBN : 978-81-7480-166-1
  - Publisher: Vigyan Prasar, DBT, GOI, Noida
- **Number listed in International Database**  
(For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- **Citation Index – range / average**
  - Total Citation Index : 2333
  - Citation Range : 1- 99
- **SNIP**
- **SJR**
  - Total Impact Factor – range / average
  - Total Impact Factor : 193.365
  - Impact Range – 0.266 - 6.472
- **h-index- 24(Highest)**
- 23. Details of patents and income generated** - Nil
- 24. Areas of consultancy and income generated** - Nil
- 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad** - Nil
- 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)**
- c) Editorial Boards:
  1. Dr. V. Venkatesalu, Professor - Member-Editorial Board - Medicinal & Aromatic Plants Abstracts, New Delhi
  2. Dr.P.Sundaramoorthy, Professor – Associate Editor – Journal of Environmental and Eco- planning
  3. Dr.P.Sundaramoorthy, Professor – Joint Editor – Journal of Current Sciences
  4. Dr. D. Dhanavel, Assoc. Prof – Editorial Board Member - Plant Archives, Crop Research and Advances in Plant Science.

#### d) Any other items

Some of our faculty members act as Board of Studies ' Member, Board of Examinations, Doctoral Committee members and Board of Selection Member in various Educational Institutes.

### 27. Faculty recharging strategies

Faculty attend in-service training, orientation, refresher courses and workshops organized in the University as well as in other Universities and institutions. Faculty also organize training programmes and workshops that hone their leadership qualities and organizational skills in addition to knowledge sharing with other institutions.

### 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects - 1.5 %  
Title of the project : induced mutagenesis in cowpea (*Vigna unguiculata* (L) Walp.) using gamma rays  
Name of the Investigator: Dr.D. Dhanavel  
Funding Agency : TNSCST -DBT  
Amount : Rs. 10,000/-
- percentage of students doing projects in collaboration with other universities / industry / institute - Nil

### 29. Awards / recognitions received at the national and international level by

#### ➤ Faculty

Professor E.P. Odum Gold Medal Award- Dr.P.Sundaramoorthy, Prof. of Botany - 2008

Best Poster Presentation award in 94<sup>th</sup> ISCA on "Plant Earth" Dr.M.Chandrasekaran, Asst. Prof.- 2008

Prestigious Thomson Reuters Research Excellence -INDIA Research Front Award - Dr. R. Pannerselvam, Former Prof. & Head and Dr. R. Gopi,Asst. Prof.in Botany-2009-

NESA-Scientist of the year 2010- Dr.P.Sundaramoorthy, Professor of Botany.

- Doctoral / post doctoral fellows - Nil
- Students - Nil

### 30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Name of the Programme	Funding Agency	Month and year	Outstanding Participants
National Seminar on "Applications of Plant Molecular Biology"	UGC	Mar 2008	-
National Seminar on "Climate change and Environmental Challenges"	UGC , DST and CSIR	Mar, 2009	Dr.C.J.Jagadeesha, ISRO, Bangalore Dr.A.Manoharan, CPCB, Delhi Dr.K.Palanivelu, Anna Univ. Chennai Dr.N. Parthasarathy, Pondicherry Univ

Name of the Programme	Funding Agency	Month and year	Outstanding Participants
National Seminar cum Workshop on "New frontiers in Molecular Biology and Biotechnology"	TNSCHE, and UGC	May, 2009	-
National seminar cum workshop on "Recent Trends in Plant Science Research"	UGC	Feb, 2010	-
National Seminar on "Future perspective of Botanical Research"	UGC	Feb, 2011	Dr.R.Rengasamy, Univ. of Madras, Chennai Prof. D.Velmuragan, Univ. of Madras, Chennai Dr.N.Raman, Univ. of Madras, Chennai Dr.S.Marimuthu, CECRI, Karaikudi
Molecular Biology workshop for College Teachers and Research Scholars	UGC	Apr, 2011	-
National Workshop on Plant Biotechnology: RAPD-PCR Techniques"	DBT	Aug, 2011	-

### 31. Code of ethics for research followed by the departments

- The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices (GRP).
- All researchers are aware and comply with the ethical and legal requirements relating to disclosures of personal information, biological material transfer and testing, and biodiversity protection before undertaking research. All researchers follow the standard procedures for conducting research laid down by relevant scientific and professional bodies.
- The research students pursuing their M.Phil and Ph.D programmes do a course work on Research methodology, in which they are taught all the ethical issues detailed above.

### 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage		
		Male	Female	Male	Female	
M.Sc. Botany (CBCS)	178	102	53	91	95	
M.Sc. Botany (Integrated)	25	09	05	92	98	
M.Sc. Herbal Science ( Integrated)	09	06	02	97	95	
M.Phil. Botany	62	41	16	100	100	
M.Phil. Herbal Science	13	05	07	100	100	
M.Phil. Plant Biology & Plant Biotechnology	00	00	00	-	-	
Ph.D. Botany	78	48	24	100	100	
Ph.D.. Herbal Science	13	06	07	100	100	
Ph.D. Plant Biology & Plant Biotechnology	06	04	00	100	100	
YEAR	M.Sc. Botany -CBCS		M.Sc. Botany (Int)		M.Sc. Herbal Science	
	Men	Women	Men	Women	Men	Women
2007-2008	25	13	-	-	06	02
2008-2009	16	06	-	-	-	-
2009-2010	26	08	-	-	-	-
2010-2011	23	13	03	01	-	-
2011-2012	12	13	06	04	-	-
2012-2013	10	09	06	07	-	-
2013-2014	11	19	07	06	-	-

YEAR	M.Phil. Botany		M.Phil. Herbal Science		M.Phil. in Plant Biology & Plant Biotechnology	
	Men	Women	Men	Women	Men	Women
2007-2008	10	05	-	-	-	-
2008-2009	05	03	-	01	-	-
2009-2010	15	04	02	-	-	-
2010-2011	06	03	02	01	-	-
2011-2012	05	01	01	05	-	-
2012-2013	04	03	03	-	-	-
2013-2014	01	01	-	-	-	-

YEAR	Ph.D. in Botany		Ph.D. in Herbal Science		Ph.D. in Plant Biology & Plant Biotechnology	
	Men	Women	Men	Women	Men	Women
2007-2008	08	02	-	-	-	-
2008-2009	07	05	-	-	-	-
2009-2010	11	07	-	01	01	-
2010-2011	12	07	03	04	01	-
2011-2012	10	03	03	02	02	-
2012-2013	12	02	01	02	06	02
2013-2014	14	03	-	03	01	01

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. Botany (CBCS)	Nil	80	20	NIL
M.Sc. Herbal Science (5 yr Integrated)	Nil	100	Nil	Nil
M.Sc. Botany (5 yr Integrated)	Nil	60	40	Nil

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. :** Nil

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	-
PG to M.Phil.	25 %
PG to Ph.D.	40%
Ph.D. to Post-Doctoral	-
Employed	
Campus selection	10 %
Other than campus recruitment	40%
Entrepreneurs	20 %

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	79 %
from other universities within the State	18 %
from universities from other States	3 %
from universities outside the country	-

### 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period

Ph.D Awarded: 05

D.Sc Awarded: 01

### 38. Present details of infrastructural facilities with regard to

- **Library** – Area -800sq.ft. 5,683 Seven National and International Journals are subscribed exclusively for Botany.
- Internet facilities for staff and students - 10 nodes
- Total number of class rooms - 7
- Class rooms with ICT facility - 1
- Students' laboratories - 4
- Research laboratories - 20

### 39. List of doctoral, post-doctoral students and Research Associates

Doctoral: a) from the host university

Name of the Scholar	Year	Name of the Scholar	Year	Name of the Scholar	Year
Pavadai, P	2007	B. Sankar	2009	Mr. K. Thirugnanamoorthy	2012
Gurusamy, V	2007	S. Rajasekaran	2009	Mr.P.Unnikannan	2012
Chandrasekaran, M	2007	A.K. Rajalakshmi	2009	Mr.V.Natarajan	2012
Raghu, S	2007	P.Indira	2010	Ms.R.Vijayalakshmi	2013
Sivasankari, S	2007	Mr. T. Ramesh	2011	Ms.K.Thamizh Selvi	2013
K.Murugaiyan	2008	Mr. D. Dhakshanamoorthy	2011	Ms.D.Kavitha	2013
G.M.AlaguLakshimanan	2008	Mr.M.Lenin	2011	Ms.N.Jothinayagi	2013
S. Velu	2008	Ms. K.Sumathi	2011	Ms.J.Kavina	2013
P. Mannivannan	2008	Mr. T.Venkatesan	2011	Ms.A.Sridevi	2013
A. Kishorekumar	2008	Ms. M.Girija	2011	Mr. G.Selvakumar	2013
S. Sridevi	2008	Mr.G.Kanagaraj	2012	Mr. V. Suresh	2013
K. Sankar Ganesh	2009	Ms.M.Kalpna	2012	Mr. Pawar Umesh Ramchandra	2013
M. Vijayaragavan	2009	Mr.A.Indrajith	2012	Mr.P.V.Sivakumar	2013
K. Kannathasan	2009	Ms.J.Sundari	2012	Mr.K.V.Ajayan	2013
L. Baskaran	2009	Ms.C.Thilagavathi	2012	Mr.M.Arumugam	2013
M. Ayyappan	2009	Mr. K.Manikandan	2012	Ms.Divya V.Nair	2013
K. Jayakumar	2009	Mr.D.Raajasubramanian	2012	Ms.P.Abirami	2013
M. Jenci	2009	Mr.R.Thangadurai	2012	Mr.M.Panneerselvam	2014
C. Abdul Jaleel	2009	Mr.P.Gopinathan	2012	Mr.A.Anbarasan	2014

b) from other universities - Nil

40. Number of post graduate students getting financial assistance from the university? :- Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. -

#### 42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? - Yes

Based on the feedback the syllabus is updated/modified. More effective pedagogical and evaluation methodologies are evolved to improve the teaching-learning process including problem solving, batch learning, group and independent assignments, and microseminars.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Feedback on Staff by the students are drawn. The feedback is considered positively and necessary steps are taken to fulfill the needs of the students.

c. alumni and employers on the programmes offered and how does the department utilize the feedback? ---

#### 43. List the distinguished alumni of the department (maximum 10)

Distinguished Alumni
Dr. A.T.Natarajan, Professor Emeritus, Leiden University, Netherlands and Visiting professor, University of Tuscia, Italy, Regional Expert (Far East), the UN International Atomic Energy Agency (IAEA), Former Head, Radiation Biology Section of IAEA
Dr.A.Gnanam, Former Vice-Chancellor, Bharathidasan, Madras and Pondicherry Universities, Former Chairman - NAAC, Chennai
Prof. K.M. Marimuthu, Former Vice-Chancellor, Bharathiyar University, 26. 1st Main Road Indira Nagar, Chennai 600 020.
Dr. M. Vivekanandan, Professor and Head, Department of Biotechnology, School of Life Science, Barathidasan University, Tiruchirapalli - 620 024.
Dr. R. Venkatramanan, Senior Scientist, Division of Physiology, Central Coffee Board Coorg-Mertare, Chickmagalore, Karnataka.
Dr. M.J.Akbar, IFS, DFO (HQ), Hyderabad
Dr. M. Jayakumar, Registrar, Thiruvalluvar University, Vellore, TN Teacher Educational University, Chennai
Dr. A. Manoharan, Senior Scientist, Central Pollution control Board, Bangalore
Dr. A. William Jados, A.R.S, Sr. Scientist, Central Sugar Cane Breeding Station, Coimbatore.
Dr. N. Anand, Former Vice-Chancellor, VELS University, Chennai.

#### 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

1. Dr. P.B. Kavikishore, Prof. Of Genetics, Osmania University, delivered a special lecture on Molecular aspects of Plant biology and cloning aspects of Plant genes 16.07.2007.
2. Prof. Dr. K.P. Chellappan Endowment lecture was delivered by Prof. Dr. N. Raaman, CAS in Botany, University of Madras , Guindy campus, Chennai 22.10.2008 on "Phytochemical isolation, antimicrobial and pharmacological screening of some Indian medicinal plants"
3. Dr. Siba Prasad Adhikary, Prof. of Botany, Utkal University, Bhubaneswar, Delivered a special lecture on "Biotechnological potentials of Seaweeds" on 23.02.2009.
4. Prof. Dr. S. Rajamanickam, Professor Emeritus, M.K. University, Madurai delivered a special lecture on "Eukaryotic gene regulation" on 02.03.2009.
5. Dr. C.J. Jagadeesha, Scientist, ISRO, Bangalore gave a special lecture on "Climate Change, Environment and Complex Adaptive Systems" on 07.03.2009 on the eve of the inaugural function of the UGC National Seminar.

6. Dr.K.Pazhanivel, Centre for Environmental studies, Anna University, Chennai gave a special lecture on "Utilization of Carbon-di-oxide for the production of value- added products- an option for climate change mitigation" on 07.03.2009.
7. Dr.N.Parthasarathy, Department of Ecology and Environmental Sciences, Pondicherry University, Puducherry delivered a special lecture on "Biodiversity Loss and Challenges for conservation in tropical forest environment" on 07.03.2009.
8. Dr.A.Manokaran, Scientist, Central Pollution Control Board, New Delhi gave a special lecture on " Assessment of Carbon footprint values generated by employee groups at Delhi, Jaipur and Dehradun and its mitigation measures for reducing Carbon-di-oxide emissions" on 08.03.2009.
9. Dr.T.S.Sivasankaramoorthy, Department of Botany, University of Mysore gave a special lecture on "The Structure and Replication of DNA" 19.05.2009 at 10.00 a.m.
10. Dr.Krishnan, Bharathidasan University, Trichy gave a special lecture on "Biotechnology for Human welfare" on 19.05.2009 at 12.00 Noon.
11. Dr.S.R. Jayachandran, Professor and Head, Department of Biotechnology, Pondicherry University gave a special lecture on "Complementary DNA" on 19.05.2009 at 02.00 PM.
12. Mr.CT.B.Kirubakaran, Manager, Lab India Instruments, Chennai delivered a special lecturer on "Real Time PCR system from Applied Biosystems" on 31.07.2009
13. Professor. Dr.B.C.Tripathy, School of Life Sciences, Jawaharlal Nehru University, New Delhi delivered a special lecturer on "Origin of Oxygenic Photosynthesis" on 16.09.2009.
14. Dr.D.Subramanian Endowment Lecture was delivered by Dr.M.Udhayakumar, Professor, Univ. of Agricultural Sciences GKVK, Bangalore on "Funds for Innovation : Options and Opportunities" on 22.12.2009.
15. Dr.S.Ragupathy, Dept. of Integrative Biology, University of Guelph, Ontario, Canada delivered Special Lecture on DNA Bar-coding on 03.03.2010.
16. Dr.T. Satyananda Murthy, Professor, Govt. degree College, Kakinada , Andhra Pradesh delivered Special Lecture on Mangroves of Andhra Pradesh and their Medicinal use on 09.04.2010.
17. Dr.G.R.Shivamoorthy, Professor of Botany, Academic Consultant, Excel Soft Technologies Pvt., Ltd, Mysore delivered Special Lecture on Biology of Parasitic Angiosperms- Gold mines of Botanical Curiosities on 10.08.2010.
18. Dr.G. Rangaswamy, Director, CAS in Botany, Guindy campus, University of Madras, Chennai delivered Special Lecture on "Molecular Taxonomy of *Dunaliella* and Biocides from marine macro algae" on 29.03.2010.
19. Dr. S. Ravi, Research Director, Karpagam University, Coimbatore delivered Special Lecture on Structure determination of Phytoconstituents by 2D NMR and LC-MS methods on 26.08.2011.
20. Dr.Harigopal, Secretary DST-FIST, New Delhi delivered Special Lecture on The Ways of availing Financial Assistance from various funding Agencies for Research on 08.02.2011.
21. Dr.D.N. Senthilkumar, Assoc. Prof. & Head, Dept. of Biotech, Mizoram Central University, Mizoram delivered Special Lecture on DNA barcoding of life on 20.01.2012.
22. Dr. N.S. Raju, Department of Environmental Science, University of Mysore delivered a special lecture on Bioremediation on 07.02.2014.

#### **45. List the teaching methods adopted by the faculty for different programmes.**

Chalk and Board Method;	Lecture Cum Demonstration Using Lcd & Ohps;
Micro Teaching;	Submission Of Subject Assignment Periodically;
Project Methods;	Field Visit;



#### **46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Oral Tests are conducted regularly and evaluated. Based on the performance of the student in the test, the students' capabilities are monitored.

#### **47. Highlight the participation of students and faculty in extension activities.**

The students are volunteers of NSS, Youth Red Cross and they are actively engaged in social services in their respective adopted villages.

#### **48. Give details of "beyond syllabus scholarly activities" of the department.**

The students are encouraged to participate in Science Quiz related conducted during various scientific celebrations and also encouraged to participate in Cultural events.

#### **49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. -**

#### **50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

The Department is actively engaged in generating new knowledge pertaining to the Bio-reclamation of salt affected soils, Bioactive compounds from Plant origin, Triazole induced growth and metabolism in plants, Bioactive peptides from medicinal plants that is published in peer reviewed international journals. In addition to that the Department organized workshops, conferences, endowment lectures etc.,

#### **51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. -**

##### **Strengths:**

- Commendable track record of publications
- Well furnished infrastructure
- Good student Faculty ratio
- Well equipped laboratories
- Well equipped Library with e-searching facility
- Fourteen ongoing projects

##### **Weakness:**

- Rural setup
- Poor enrolment of students
- Communication Skills

##### **Opportunities:**

- Trying to make the department as centre of Advanced study
- Starting Transgenic breeding
- International collaborations
- Interdisciplinary research with other departments

##### **Challenges:**

- To motivate students to clear competitive examinations
- To excel on par with advanced laboratories in advanced research

#### **52. Future plans of the department.**

- Transgenic Plant Breeding for Stress Tolerance
- Molecular Profiling of Medicinal Plants
- Salt stress Physiology
- Bio-reclamation of Coastal saline soils
- Bioactive compounds from plant origin
- Mutation Breeding.

## DEPARTMENT OF ZOOLOGY

**1. Name of the Department :-** Zoology

**2. Year of establishment :-** 1931

**3. Is the Department part of a School/Faculty of the University?:-** Yes, Faculty of Science

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

M. Sc. Zoology (CBCS);	M. Sc. Environmental Biotechnology (CBCS);
M. Sc. Microbiology (CBCS);	M.Sc. Integrated Zoology;
M.Sc. Integrated Bioinformatics;	M.Sc. Integrated Microbiology;
M. Phil. Zoology;	M.Phil. Bioinformatics;
M.Phil. Environmental Biotechnology;	M.Phil. Microbiology;
Ph. D. Zoology;	Ph.D. Bioinformatics;
Ph.D. Environmental Biotechnology;	Ph.D. Microbiology;

**5. Interdisciplinary courses and departments involved:**

Interdisciplinary Programme	Departments involved
M.Sc. Bioinformatics (5 years Integrated)	Computer Science, Biochemistry and Biotechnology, Pharmacology, Chemical Engineering, Chemistry Marine Sciences
M.Sc. Environmental Biotechnology (2 years CBCS)	Chemistry, Physics and Botany
M.Sc Microbiology (2 years CBCS and 5 years Integrated)	Agriculture, Biochemistry and Biotechnology

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil

**7. Details of programmes / courses discontinued, if any, with reasons:** Nil

**8. Annual/Semester/Choice Based Credit System:-**

Semester & Choice Based Credit System

**9. Participation of the department in the courses offered by other departments:**

The Zoology departments offers optional courses for Botany, Chemistry, Physics BioChemistry and Biotechnology, Marine Biology, and Statistics

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned*	Actual**
Professors	01	07
Associate Professors	02	04
Asst. Professors	10	29

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Includes the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

### 11. Faculty profile with name, qualification, designation and specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualifications	Designation	Specialization	Experience
Dr.N.Indra	M.Sc., M.Phil., B.Ed., Ph.D.,	Professor & Head	Toxicology	33
Dr.V.Mathivanan	M.Sc., M.A. M.Ed., Ph.D.,	Professor	Fishery Biology & Environmental Toxicology	23
Dr.G.Jagadeesan	M.Sc., M.Phil., Ph.D.,	Professor	Metal toxicity	18
Dr.A.Jebanesan	M.Sc.,M.Ed., Ph.D.,	Professor	Vector Biology	17
Dr.S.Hemalatha	M.A.M.Sc., M.Phil,Ph.D.,	Professor	Fish Toxicology	16
Dr.G.Gunasekaran	M.Sc., B.Ed., Ph.D.,	Professor	Vermiculture	16
Dr.T.Rameshkumar	M.Sc., M.Phil., M.Ed., Ph.D.,	Associate Professor	Insect Physiology & Toxicology	16
Dr.V.I.Paul	M.Sc., B.Ed., M.Phil., Ph.D.,	Associate Professor	Fisheries and Environmental Toxicology	16
Dr.A.Subramaniyan	M.Sc., M.Phil., Ph.D.	Associate Professor	Fisheries, Invertebrate Reproduction	14
Dr.C.Elanchezhian	M.Sc.,M.Phil. B.Ed., Ph.D.,	Associate Professor	Insect Physiology & Toxicology	14
Dr.S.Ravichandran	M.Sc., M.Phil., B.ED.,Ph.D.,	Assistant Professor	Toxicology - Insect Physiology	13
Dr.S.Miltonprabhu	M.Sc., B.Ed., M.Phil., Ph.D.,	Assistant Professor	Toxicology & Pharmacology	13
Dr.V.Manoharan	M.Sc., M.Phil., Ph.D	Assistant Professor	Ornithology, Environmental Toxicology	11
Dr.K.Pugazhendy	M.Sc., M.Phil., D.L.L., Ph.D.,	Assistant Professor	Toxicology	11
Dr.M.Muniyan	M.Sc., B.Ed., Ph.D.	Assistant Professor	Toxicology	11
Dr.C.Prabhakar	M.Sc., D.I.P.C., Ph.D.,	Assistant Professor	Toxicology	11
Dr.K.Parthasarathi	M.Sc, M.Phil, Ph.D.,	Assistant Professor	Vermibiotechnology	11
Dr.R.Gopal	M.Sc., Ph.D.,	Assistant Professor	Toxicology	11
Dr.S.Dhanasekaran	M.Sc., M.Phil., Ph.D.,	Assistant Professor	Toxicology	8
Dr.J.Baskaran	M.Sc., M.Phil., B.Ed., Ph.D	Assistant Professor	Aquaculture	7
Dr.M.Prakash	M.Sc., M.Phil., P.G.D.C.A., Ph.D	Assistant Professor	Vermi-pharmacology	7
Dr.P.K.Senthil kumar (Microbiology)	M.Sc., M.Phil., Ph.D.,	Assistant Professor	Medical Microbiology	7 ½
Dr.C.Uma (Microbiology)	M.Sc., M.Phil., Ph.D.,	Assistant Professor	Medical Microbiology	7 ½
Ms.S.P.Jeyapriya	M.Sc., M.Phil.,	Assistant Professor	Toxicology	7
Mr.J.Nelson Samuel Jebastin	M.Sc., M.Phil.,	Assistant Professor	Bioinformatics	7
Dr.J.Rajesh Singh	M.Sc., M.Phil., Ph.D	Assistant Professor	Biotechnology	6

Name	Qualifications	Designation	Specialization	Experience
Dr.P. Senthilraja	M.Sc., M.Phil, Ph.D	Assistant Professor	Bioinformatics	6
Dr.Shaik Ameer Basha	M.Sc., M.Phil., Ph.D.,	Assistant Professor	Environmental Biology	6
Dr.D.Sangeetha (Microbiology)	M.Sc., M.Phil., Ph.D.,	Assistant Professor	Medical Microbiology	7
Dr.V.Sumathi (Microbiology)	M.Sc., M.Phil., Ph.D.,	Assistant Professor	Medical Microbiology	7
Dr.P.Ganesh (Microbiology)	M.Sc., M.Phil., Ph.D.,	Assistant Professor	Solid Waste Recycling, Organic Farming, Biopesticides.	6
Dr. M.Govindarajan	M.Sc., M.Phil., Ph.D.,	Assistant Professor	Vector biology & phytochemistry	6
Dr. M.Pradhap	M.Sc., M.Phil., Ph.D	Assistant Professor	Sericulture	6
Dr. K.Kolanjinathan (Microbiology)	M.Sc., M.Phil., Ph.D.,	Assistant Professor	Medical Microbiology	6
Dr. G.Manimegala	M.Sc., M.Phil., Ph.D	Assistant Professor	Vermiculture	6
Dr. K.Sivasubramani (Microbiology)	M.Sc., M.Phil., Ph.D	Assistant Professor	Metagenomics, Medical microbiology, Marine biotechnology.	6
Dr.P.Sangeetha	M.Sc., M.Phil., Ph.D.,	Assistant Professor	Entomology	6
Dr.P.Sivagurunathan (Microbiology)	M.Sc., M.Phil., Ph.D	Assistant Professor	Industrial microbiology, Enzymology	6
Ms. N.G. Tamilselvi	M.Sc., M.Phil	Assistant Professor	Insect Toxicology	6
Dr.J.Michael Antony Prabhur Arachi	M.Sc.,M.Phil., Ph.D.,	Assistant Professor	Fishery Biology	6

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:** Nil

**13. Percentage of classes taken by temporary faculty - programme-wise information:** Nil

**14. Programme-wise Student Teacher Ratio:**

Programme	Student Teacher Ratio
M.Sc.	15:1
M.Phil.	1:1
Ph.D.	3:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:**

	Actual
Technical Staff	05
Administrative staff	15

**16. Research thrust areas recognized by funding agencies:**

The Department is actively involved in Research in the following area:

Heavy metal toxicity effect on animals;	Pesticide toxicity effect on animals;
Vector control;	Vermicompost;
Application of probiotic feed efficacy on fish;	Nanotechnology;
Phytochemistry;	Drug design and discovery;
Xenobiotic toxicology	

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Principal Investigator	Title of the Project	Funding Agency	Duration of the project	Total Amount Sanctioned (Rs.)
Dr.M.Govindarajan	Isolation, Purification Characterization of Bio-active compound(s) from selected medicinal plants against vector Mosquitoes	DST	2009-2012	14,43,600
Dr.K.Parthasarathi	Diversity and abundance of indigenous composting earthworm species in Cauvery delta district of Tamilnadu, in-situ conservation and exploitation for soil fertility	UGC	2010-2014	4,66,000
Dr.M.Govindarajan	Isolation and characterization of bioactive compound(s) from <i>Albizia lebbek</i> , <i>Delonix elata</i> and <i>Pithecellobium dulce</i> against vector mosquitoes	UGC	2010-2014	5,18,000
Dr.P.Ganesh	Production of enriched coir pith compost by different methods and its effect on selective crops	UGC	2011-2014	7,89,300
Dr.(Mrs.)Selvisa bhanayakam	Feed efficacy of silkworm <i>Bombyx mori</i> (L.) (Lepidoptera: Bombycidae) fed with MR2 Mulberry leaves and <i>Spirulina</i> treated leaves in relation to silk production.	UGC	2012-2015	11,36,800
Dr. S. Hemalatha	Genotoxic potential of the endocrine disruptor malathion on <i>Clarius batrachus</i> and the efficacy of a selected antidote vitamin C	UGC	2012-2015	13,40,800
Dr.A. Subramaniyan	Isolation and pharma cological chacterization of Lion fish ( <i>Pterois resseli</i> ) venom	UGC	2012-2015	10,61,800
Dr. C.Elanchezhyiyam	Isolation and characterization of antidiabetic active principles from the fruit extract of <i>Helicteres isora</i>	UGC	2012-2015	11,90,800
Dr.S.Miltonprabu	Protective role of diallyl trisulphide on serolo- gical, biochemical, molecular and histological variables in arsenic intoxicated rats	UGC	2012-2015	13,21,800
Dr. C.Prabhakar	Bio-physicochemical status of mangroves in coastal zones, Muthupettai, Tamilnadu, India	UGC	2012-2015	11,50,800
Dr.N.Indra	Protective efficacy of <i>Centella asiatica</i> L.(Apiaceae) on isoniazid induced toxicity in albino rats	UGC	2013-2016	10,15,800
Dr.A.Jebanasan	Studies on the Biodiversity and Distribution of tree hole mosquitoes of Southern India.	UGC	2013-2016	13,58,300
Dr.T.Rameshkumar	Anti-Genotoxic effect at garlic extract and vitamin C against in Vivo Tricloson- induced genotoxic damage in Zebra fish <i>Brachydanio Rerio</i> (HAM)	UGC	2013-2016	11,24,800

Principal Investigator	Title of the Project	Funding Agency	Duration of the project	Total Amount Sanctioned (Rs.)
Dr.S.Dhanasekaran	Isolation of noval pesticidal compounds from selected indigenous medicinal plants with special Reference to mosquitocidal activity against important vector mosquito <i>Diptera culicidae</i> .	UGC	2013-2016	12,45,800
Dr.K.Pugazhendy	Therapeutic efficacy of pisonia albio and cardiospermum Halicacabuns on the Hepatoprotective and antioxidant potential in the Atrazine intoxicated albino wiarat rat <i>rattus norcegius</i> .	UGC	2013-2016	11,65,000
Dr.M.Prakash	Isolation and identification of antimicrobial protein from fresh water snakehead fish <i>Channa punctatus</i> and <i>Channa striatus</i> .	UGC	2013-2016	7,56,800
Dr.M.Govindarajan	The potential use of bio- active compound(s) from plants against mosquitoes.	ICMR	2013-2016	18,00,660
Dr.M.Pradhap	Isolation characterization of intestinal microflora of <i>Archoternopsis wroughitoni</i> .	UGC	2013-2016	11,31,800
Dr.K.Kolanjinathan	Isolation of bioactive compounds from selected seaweeds of mandapam coast, Tamilnadu	UGC	2013-2016	10,16,800

### 18. Inter-institutional collaborative projects and grants received

a) All India collaboration b) International - Nil

### 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.

Non-SAP received in the year

2008-2009-10 lakhs

2009-2010-15 lakhs

2010-2011-20 lakhs

2012-2013- 20 lakhs

UGC-SAP : Rs. 59.50 lakhs.

### 20. Research facility / centre with

- State recognition Nil
- National recognition Nil
- International recognition Nil

### 21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil

### 22. Publications:

- Number of Papers published in peer reviewed journals (national / international): 444 (Annexure - I)
- Monographs - Nil
- Chapters in Books - 27
- Edited Books - 7

## ➤ Books with ISBN with details of publishers

Name of the staff	Book title	Publisher and ISBN Number	Year
Dr.M.Govindarajan	Apiculture	Lanbert Academic Publishing, Germany. ISBN No:978-3-659-32309-6	2013
Dr.N.Indra, Dr.G.Jagadeesan Dr.V.I.Paul, Dr.R.Gopal Dr.M.Prakash, Dr.Pradhap	A Manual for Biostatistical analysis	Sri Veera Publications. ISBN NO 978-93-80174-09-9	2013
Dr.M.Govindarajan	A Manual on techniques in isolation of Bio-active molecules	ManiBharathi Publi-shers.ISBN No: 97881925287-1-7	2013
Dr.M.Govindarajan	Mosquitocidal properties f Caesalpinia pulcherrima (Family: Fabaceae)	Lanbert Academic Publishing, Germany. ISBN No:978-3-659-36039-8	2013
Dr.V.I.Paul	Biodiversity: Issues, Impacts, Remediation and Significance.	VLMN Publishers, New Delhi	2013
Dr.M.Govindarajan	Chemical Composition and Mosquitocidal Potential of Mentha spicata (Linn.) Essential Oil; Recent Progressing Medicinal Plants” on “Essential oil III and Phytopharmacology” (RPMP Vol. 38)	Studium Press LLC, USA ISBN No:933699-98-1	2014
Dr.k.Kolanjinathan	Kolanjinathan.K.,P.Ganesh, P.Saranraj. Pharmacological importance of seaweeds.	Published by LAP Lambert Academic Publishing ISBN 9783659316326	2014

- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index - range / average - Average 1 to 105 (2085)
- SNIP
- SJR
- Impact Factor - range / average - 0.3 to 3.5
- h-index - 58

**23. Details of patents and income generated :** Nil

**24. Areas of consultancy and income generated:** Nil

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:** Nil

**26. Faculty serving in**

a) National committees:

Dr. Selvi sabhanayagam	-	UPSC, TNPSC
Dr. N. Indra	-	UPSC
Dr. V. Mathivanan	-	TNPSC, APSC, UPSC

b) International Committees: Nil

c) Editorial Boards:

Dr. Selvisabhanayakam - Current Science

Dr.S.Milton Prabu - Journal of Toxicology Research & Reviews

Dr.C.Prabhakar - International Journal of Recent Scientific research

Dr. M.Govindarajan - ISRN parasitology- 2010 -till date

-International Journal of Pure and applied Zoology- 2013- till date

-International Journal of Recent Scientific research2013- till date

-International Journal of Current Life Sciences2013- till date

- International Journal of Microbiology and Bioinformatics2013- till date

- International Journal of current Agricultural Sciences2013- till date

Dr.M.Pradhap-International Journal of Ocean Sciences – China

d) Any other (Please specify) -

Several faculty serve as Members of Board of Selection, Board of Studies, Doctoral Committees and as Office Bearers in Professional Societies.

### **27. Faculty recharging strategies (UGC, ASC, Refresher/Orientation Programs, Workshops, training programs and similar programs.)**

Faculty attend in-service training, orientation, refresher courses and workshops organized in the university as well as in other Universities and institutions to recharge and rejuvenate interest. The University promotes “Faculty Improvement Programme” and “Faculty Exchange Programme” for the benefit of teachers. Faculty also organize training programmes and workshops that hone their leadership qualities and organizational skills in addition to knowledge sharing with other institutions.

### **28. Student projects**

- Percentage of students who have done in-house projects including inter-departmental projects: 100% -  
(M.Sc. Bio-Informatics and M.Sc. Environmental Biotechnology students undertake project work in the final year end semester)
- Percentage of students doing projects in collaboration with other universities / industry / institute : M.Sc students doing projects in collaboration with Other Universities - 10%  
Industry - 85% Institute - 5%

### **29. Awards / recognitions received at the national and international level by**

#### **No. & Names of Prestigious Award received by the Faculty**

S.No.	Names of Prestigious Awards	Name of the Faculty
1	Dr.B.Vasantharaj David Award for 2011	Dr.S.Dhanesakaran
2	Shiksha Rattan Puraskar for 2013	Dr.M.Govindarajan

### **Doctoral / post doctoral fellows**

20 to 30 percentage of students are selected for doctoral fellowship in India

Students - Nil



### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

1. UGC National Seminar on “Current Trends in Environment and Biosafety – SCEB – 2008” organized in the Department of Zoology, Annamalai University on 8<sup>th</sup> and 9<sup>th</sup> March, 2008. Organizing Secretaries Dr.V.Meenakshi, Professor and Head, Dr.N.Indra, Professor, Dr.G.Jagadeesan, Professor, Dr.A.Jabanesan, Professor and Dr.K.Pugazhendy, Assistant Professor.
2. UGC National Conference on “Recent Trends in Bioscience – 21<sup>st</sup> Millennium- BIOS – 2009” organized in the Department of Zoology, Annamalai University on 6<sup>th</sup> and 7<sup>th</sup> March, 2009. Organizing Secretaries Dr.N.Indra, Professor, Dr.G.Jagadeesan, Professor, Dr.A.Jabanesan, Professor.
3. UGC Sponsored National Seminar on “Advances in Biological Sciences (ABS 2010)” organized in the Department of Zoology, Annamalai University, Annamalainagar held on 22 & 23 January, 2010. Organizing Secretaries Dr.S.Hemalatha, Professor Dr.G.Gunasekaran, Professor Dr.T.Rameshkumar, Associate Professor.
4. National Conference on “Aggrandize of Life Science – ALISCI – 2010” organized in the Department of Zoology, Annamalai University on 29<sup>th</sup> and 30<sup>th</sup> March, 2010. Organizing Secretaries Dr.G.Jagadeesan, Professor, Dr.S.Hemalatha, Professor, Dr.A.Subramaniyan, Associate Professor, Dr.C.Elanchezhiyan, Associate Professor, Dr.S.Miltonprabhu, Assistant Professor, Dr.R.Gopal, Assistant Professor
5. UGC, MoES Sponsored National Conference on “Advances in Environmental Research : an Interdisciplinary Approach (AERIA -2011)”, organized in the Department of Zoology, Faculty of Science, Annamalai University Annamalainagar held on 11<sup>th</sup> & 12<sup>th</sup> of March 2011. Organizing Secretaries Dr.V.I.Paul, Associate Professor, Dr.A.Subramaniyan, Associate Professor and Dr.C.Elanchezhiyan, Associate Professor
6. “UGC Sponsored National workshop on Current trends and techniques in environmental toxicology (CTTET’ 2011)” on 23<sup>rd</sup> to 25<sup>th</sup> February, 2011 Organizing Secretaries Dr.G.Jagadeesan, Professor, Dr.S.Hemalatha, Professor, Dr.S.Miltonprabhu, Assistant Professor
7. UGC, ICMR Sponsored National Workshop on “ Toxicological Techniques” – TOXITEC – 2011 Organized in the Department of Zoology, Annamalai University on 19<sup>th</sup>, 20<sup>th</sup> March, 2012. Organizing Secretaries Dr.S.Hemalatha, Professor, Dr.C.Elanchezhiyan, Associate Professor, Dr.S.Milton Prabhu, Assistant Professor and Dr.V.Manoharan, Assistant Professor
8. UGC, MoES and ICMR Sponsored National Conference on “Environment Biodiversity And Bioethics- Current Trends And Future Perspectives” 2012 (NCEBB ’2012)” on 23<sup>rd</sup> & 24<sup>th</sup> March, 2012 Organizing Secretaries Dr.S.Milton Prabhu, Assistant Professor, Dr.V.Manoharan, Assistant Professor and Dr.K.Pugalendhy, Assistant Professor
9. DBT, ICMR, MoEF and CSIR sponsored National workshop on Trends and Techniques in Bioactive molecules (IBAM-2013) date 31<sup>st</sup> January to 2<sup>nd</sup> February, 2013. organized by Dr.M.Govindarajan, Assistant Professor
10. National Conference on environmental issues and challenges vision 2020 (Envision 2020) 27<sup>th</sup> & 28<sup>th</sup> September 2013 organized by Dr.M.Muniyan and Dr.C.Prabhakar, Assistant Professors
11. National Seminar on Golden thoughts on current Microbial Research 15<sup>th</sup> March, 2013. Organized by Dr.B.Karthikeyan, Dr.R.Parthasarathi and Dr.P.Ganesh at Department of Agricultural Microbiology.

#### Outstanding participants:

1. Dr. Sanjappa, Director, Botanical Survey of India, Calcutta
2. Dr. J.R. Bhatt, Director, ministry of Environment and Forests, New Delhi
3. Dr. B. Meenakumari, Deputy Director General, ICAR, New Delhi
4. Dr.T.J. Pandian – Visiting Professor
5. Dr.P.Sachidhanandam, Professor, Medical Biochemistry, IBMS, Tharamani.
6. Dr. Samuel Paul Raj, Professor and Head, Dept of Waste Recycling, Madurai Kamaraj University
7. Prof. Dr. Sathiyarayanan – Visiting professor
8. Dr. T.C. Santiago, Pricipal Scientist, Central Institute of Brackish water Aquaculture, Chennai

**International:** Nil

### 31. Code of ethics for research followed by the departments

- The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices (GRP).
- The Institutional Animal Ethics Committee (IAEC) examines proposals for the conduct of animal studies follows the rules for Good Laboratory Practice established by the Committee for the Purpose of Control and Supervision on Experiments on Animals (CPCSEA) under the guidance of an authorized veterinarian.
- The research students pursuing their M.Phil and Ph.D. programmes do a course work on Research methodology, in which they are taught all the ethical issues detailed above. In addition, research students also attend a Research Methodology Workshop where they are trained in research ethics including ethical guidelines for writing theses and research papers.

### 32. Student profile course-wise:

Year	M.Sc Zoo	M.Sc EBT	M.Sc Int. Zoo	M.Sc Int. Bioinf.	M.Phil	Ph.D	M.Phil (Bioinf.)	Ph.D (Bioinf.)	M.Sc Micro-biology	M.Sc Int. Micro-biology	M.Phil	Ph.D	Total
2007-2008	56	25	16	12	17	12	--	--	--	60	28	--	226
2008-2009	37	15	--	19	10	5	--	--	--	49	26	9	170
2009-2010	47	2	7	14	17	9	--	--	12	31	24	17	180
2010-2011	34	2	4	4	21	37	--	--	33	32	26	27	220
2011-2012	66	--	2	3	9	17	--	--	32	40	24	13	206
2012-2013	33	--	4	--	6	26	5	2	18	12	18	29	153
2013-2014	22	--	7	--	2	15	--	1	29	43	3	10	132

### 33. Diversity of students:

Name of the Course (refer question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from the universities of other States	% of students from abroad
M. Sc (Zoology)	Nil	90%	10%	Nil
M. Sc (Environmental Biotechnology)	Nil	80%	20%	Nil
M. Sc (Zoology) 5 year Integrated Course	Nil	100%	Nil	Nil
M.Sc (Bioinformatics) 5 Year Integrated Course	Nil	66%	6%	28%
M. Phil (Zoology)	80%	20%	18%	Nil
M. Phil (Environmental Biotechnology)	Nil	100%	Nil	Nil
Ph. D (Zoology)	70%	10%	20%	Nil
M.Sc (Microbiology)	75%	15%	10%	Nil
MSc(Microbiology) 5 year Integrated course	70%	20%	10%	Nil
M. Phil (Microbiology)	80%	10%	10%	Nil
Ph. D (Microbiology)	70%	20%	10%	Nil

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SLET, GATE and other competitive examinations? Give details category-wise. - NET: Nil SLET: 2 GATE: Nil**

**35. Student progression**

Student progression	Percentage against enrolled
UG to PG	UG course not available
PG to M.Phil.	20%
PG to Ph.D.	45%
Ph.D. to Post-Doctoral	Nil
Employed	
• Campus selection	10%
• Other than campus recruitment	Data not available
Competitive Exams	
State	25%
National level	Data not available

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	50%
from other universities within the State	43%
from universities from other States	7%
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period : - Ph.D awardees: 7**

**38. Present details of infrastructural facilities with regard to**

- a) Library
1. No. of Books in Library : 5713
  2. International Journals : 2
  3. National Journals : 7

b) Internet facilities for staff and students : 25 nos.

c) Total number of class rooms

For M.Sc students : 7

For M. Phil students : 1

d) Class rooms with ICT facility : Nil

a) Students laboratories : 6

b) Research laboratories For M.Phil students : 1

For Ph.D scholars : 1

For Instruments : 2

### 39. List of doctoral, post-doctoral students and Research Associates

a) from the host university : - Ph.D.

Name of the Candidate	Year of Award	Name of the Candidate	Year of Award	Name of the Candidate	Year of Award
K.Aruldoss	2007	M. Manosathiya devan	2010	S.Sarojini	2012
N. Ushananadhni	2007	J. Renugadevi	2010	P.Gganesh prabu	2012
S. Sankarasami pillai	2007	R.Anandhan	2010	T.Kumaresan	2012
P. Veerasamy	2007	M.Prakash	2010	S.U.Anitha	2013
M. Govindarajan	2008	M.Lousia	2010	R.Prabavathi	2013
S. Subathra	2008	Jayachandran	2010	S.Venkatesan	2013
R.P.Raja	2008	P.Vijayan	2011	S.Anantha krishnaswamy	2013
K.Mullai	2008	A.Elangovan	2011	K.Loganathan	2013
M. Blamurugan	2009	V.Shoba	2011	S.Subarani	2013
V. Kavitha	2009	A.Anandhan	2011	P.Parthiban	2013
B. Aruljothi	2009	M.Susiladevi	2011	M.Muthumani	2014
P. Jayakumar	2009	G.Manimegala	2011	F.Anniefelicia	2014
T.Pushpanathan	2009	T.Vivekananthan	2012	A.Arulprakash	2014
D.Balasundaram	2010	D.Jayaprakash	2012	S.Balasubra manian	2014
S.Chandran	2010	J.Vaidehi	2012		

b) from other universities : Ph.D.

A. Rajeswari	2008	J.Baskaran	2011	K.Moorthikumar	2012
S. Puvaneswari	2009	K.Tarmaraj	2012	S.Manjula	2013
A.Boopathiraja	2010	P.Rajasekar	2012	U.Ramesh	2013
K.Balamurugan	2011	A.Rameshkumar	2012	M.Anbalagan	2013
K.Krishnappa	2011	V.Manoharan	2012	S.R.Pugazvendan	2013
S.Arulkumar	2011	M.Pradhap	2012	K.S.Abbiramy	2013

a1) from the host university : Ph.D. (Microbiology)

T.Neelakandan	2011	G.Thiripurasundari	2013	K.Sathiyaseelan	2013
J.Umashankari	2012	V.Sumathi	2013	P.Saranraj	2013
P.K.Senthilkumar	2012	Arokiamary	2013	L.Mugilan	2013
K.Kolanjinathan	2012	U.Sakthivel	2013	Mr.U.Boominathan	2013
Ms.Sajani Samuel	2012	Mr.N.Sivakumar	2013	Ms.Munmun Sikdar	2013
Mr.Santhanu das	2012	Mr.S.Vivekanandan	2013	P.Udhayaraja	2014
Ms.D.Sangeetha	2012	RTS.Nandhini	2013.	L. Shyamala	2014
Ms.K.Mythili	2012	Ms.K.Vaidehi	2013	K.Bradeeba	2014
Ms.C.Uma	2012	A.Sheela Devi	2013	Krishnapriya.K	2014
Mr.S.Rajasekar	2013	S.Megala	2013	Esath Natheer.S	2014
Mr.P.Sivagurunathan	2013	S.Anitha	2013		

40. Number of post graduate students getting financial assistance from the university? - Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. : Nil

42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? -

Yes. Positively for the improvement of the faculty and the students

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. Proper remedial measures have been taken and appropriately implemented

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

No. However alumni and employers are regularly visiting the departments during conferences and seminars. Their suggestions for the improvement of the department, faculty and students are well received and reciprocated.

#### 43. List the distinguished alumni of the department (maximum 10)

Name of the Alumnus	Designation with work location
Mr.M.Boovaragan	Former Minister, Govt. of Madras
Mr.A.Ponnusamy	Former Education Minister, Govt. of TamilNadu
Mr.K.Balachander	Film Director, Tamil Cinema, Chennai
Dr.V.R.Muthukarruppan	Former Vice chancellor, Madurai Kamaraj University, Madurai Former Vice chancellor, Bharathidhasan University, Trichirappali
Dr.A.Hari Reddy	Scientist University of California,USA
Dr.S.Jayakumar	Scientist University of California, USA
Dr.G.Elavalagan	Former Scientist, DRDO, New Delhi
Dr.P.Padmanaban	Director of Bioimaging Institute, Singapore
Dr.K.Thiyagesan	Principal A.V.C. College, Mayiladuthurai
Dr.M.Varadharajan	Former Principal, A.V.C. College, Mayiladuthurai

#### 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- Every year, 2 lectures are being delivered by experts in different fields of Zoology under the following endowments.  
 Dr.Vijayam SriRamulu Prize; R. V. Seshaiya Gold Medal;  
 Krishnan Memorial Prize; Rajah Sri Annamalai Chettiar Prize;  
 Prof. P.Govindan Excellence Genetics Prize; Dr. K.Marimuthu Endowment Prize;  
 Vallalar Ramasamy Padayachiar Endowment Prize;  
 Dr.Purachithalavi J.Jayalalitha Endowment;  
 Dr.V.R.Muthukaruppan Endowment; Dr. Ponnammal Shankermurthy Endowment;  
 Dr. L.S. Ranganathan Prize
- Under the auspices of the Zoological Society and Research Colloquium every year lectures are being arranged for the benefit of students and research scholars.

#### 45. List the teaching methods adopted by the faculty for different programmes.

- Chalk and talk method in general
- Use of overhead (OHP) and LCD projectors in the theory and practical classes
- Conducting tutorials and seminar classes regularly
- Home assignments are given to the students for all subjects
- Continuous assessment of the students using periodic class test and internal assessment test both in practical and theory twice a semester
- Organizing field visits to have direct field experience to the students
- Exposing the students to expert lectures in zoological society to enrich the subject knowledge.

#### 46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Continuous assessment of the students using periodic class test and internal assessment test both in practical and theory twice for each semester

#### 47. Highlight the participation of students and faculty in extension activities.

All the students are motivated to participate in the following extension activities

NSS; Red Ribbon Club; Youth Red Cross

#### 48. Give details of “beyond syllabus scholarly activities” of the department.

Every week, lectures are being given by research scholars through Research forum and lectures and other educational activities such as seminars, quiz programme etc. are organized by the department.

#### 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details :- Nil

#### 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Twice a year, under the unassigned grant two conferences and one workshop in national level are conducted. The M.Sc students are allowed to participate ensuring the students to enrich their knowledge in the recent development in Biological field especially in Zoology
- The students are exposed to newer areas in Zoology through endowment lectures and special lectures in the Department of Zoology
- The students are given short visit to have field study and industrial visit.

#### 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

##### Strengths:

- Good Student-Faculty ratio
- Good laboratories
- Extramural projects
- Excellent Library facility

##### Weaknesses

- Rural students with poor family background
- Most of the students studied in Tamil medium in their UG courses
- Lack of communication skills

##### Opportunities

- Despite, the University Department located in a rural area, it is surrounded by SIPCOT industries and several educational institutions. So the students have enormous opportunities for their career advancement.
- The Department of Zoology has collaboration with Central Silk Germplasm Research Centre (CSGRC), Hosur, Tamil Nadu for Bio-Molecular evaluation of selected silkworm races for their genetic hardness using biological nano-particles.

##### Challenges

- To bear national level competitive examinations
- To undertake research in the fields of Serinotechnology, drug design and discovery, molecular biology, heavy metal toxicology, vector biology, sericulture and vermicomposting.

#### 52. Future plans of the department.

- Improvement of the research facility by the procurement of high end instruments and specialized laboratories.
- Smart class rooms.
- Conducting bridge courses for the incoming students in particular to enhance the English language skills.

## DEPARTMENT OF EARTH SCIENCES

**1. Name of the Department :** - Earth Sciences

**2. Year of Establishment:** - 1953

**3. Is the Department part of a School/Faculty of the University:** Yes, Faculty of Science

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

M.Sc Applied Geology (CBCS);

M.Sc Applied Geology (Integrated)-CBS;

M.Phil., Applied Geology/Geoinformatics; Ph.D., Geology/ Applied Geology/Geoinformatics

**5. Interdisciplinary courses and departments involved**

Course	Course	Department	Faculty
M. Sc Applied Geology (CBCS)	Geostatistics	Statistics	Science
	Basic Chemistry	Chemistry	Science
	English for competitive examinations	English	Arts
M.Sc Applied Geology CBS (Integrated)	Computer Application -I& II	Computer Science	Engineering
	Basic Chemistry	Chemistry	Science
	Physics of the earth	Physics	Science
	Mathematical Geology and Computer Programming	Mathematics	Science
	Survey Practical	Civil Engineering	Engineering
	Geostatistics	Statistics	Science
	Mineral Beneficiation	Chemical Engineering	Engineering
	Ore Dressing	Chemical Engineering	Engineering

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.** - Nil

**7. Details of programmes / courses discontinued, if any, with reasons** - Nil

**8. Annual/ Semester/Choice Based Credit System**

M.Sc., Applied Geology (CBCS), M.Sc., Applied Geology (CBS)

**9. Participation of the department in the courses offered by other departments**

Course	Course	Department	Faculty
M. Sc Physics (CBCS)	Environmental Geosciences	Physics	Science
M.Sc Botany(CBCS)		Botany	Science
M.Sc Zoology(CBCS)		Zoology	Science
M.Sc Environmental Bio technology (CBCS)		Zoology	Science
Economics -MBA	Disaster Management	Economics	Arts
M.Sc Physics (CBCS)	Applied Geophysics	Physics	Science
M.Sc Chemistry(CBCS)	Applied Geochemistry	Chemistry	Science
BE Civil Engineering	Engineering Geology	Civil Engineering	Engineering
ME (Structural Engineering) Regular/ Part Time	Disaster Management	Structural Engineering	Engineering
M.Sc (CBS)IOST	Introduction to Earth Sciences	Marine Biology	Marine Sciences
M.Sc (CBS)IOST	Marine Geology (Theory & Practical)	Marine Biology	Marine Sciences

### 10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned*	Actual **
Professor	01	02
Associate Professors	02	03
Asst. Professors	08	15

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Includes the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

### 11. Faculty profile with name, qualification, designation and specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr.T.Ramkumar,	M.Sc. Post M.Sc. M.Phil. M.Sc.(UK) Ph.D	Professor & Head	Marine Geochemistry, Sedimentology & GIS	17	5
Dr. S. Chidambaram,	M.Sc., Ph.D.	Professor	Hydro geochemistry and EIA studies	16	6
Dr. S.R.Singara-subramanian	M.Sc., M.Phil., Ph.D.	Associate Professor	Sedimentology & Marine Geology	14	1
Dr. G.R. Senthilkumar,	M.Sc., M.Phil., Ph.D	Associate Professor	Industrial minerals, Mining Geology & Hydrogeology	14	2
Dr. R.S.Kumar,	M.Sc., Ph.D.	Associate Professor	Petrology & Geochemistry	12	2
Dr. M.V. Mukesh,	M.Sc., Ph.D.	Assistant Professor	Environmental Sciences, & Marine Geology	12	-
Dr. S. Aravindan	M.Sc., M.Tech, Ph.D.	Assistant Professor	Hydrogeology and Remote sensing	12	1
Dr.S.Vasudevan,	M.Sc., Ph.D.	Assistant Professor	Geomorphology, Sedimentology and GIS	12	1
Mr. T. Jeyavel Rajkumar,	M.Sc., Ph.D Dip (Hydro) P.G Dip (R.S & GIS).	Assistant Professor	Hydrogeology & Geophysics	10	-
Dr. R. Prabhakaran,	M.Sc., Ph.D.	Assistant Professor	Mineralogy, Geochemistry & Petroleum Geology	10	-
Dr.N.Ganesh	M.Sc., Ph.D	Assistant Professor	Hydrogeology & Hydrogeochemistry	10	-
Mr. B. Selvaraj,	M.Sc., M.Phil.	Assistant Professor	Petrology, Mineralogy and Geochemistry	9	-
Ms. K. Sujatha,	M.Sc., P.G Dip (Eco & Envi).	Assistant Professor	Hydrogeology, Economic Geology & Environmental Science	6	-
Dr. P. Anandhan	M.Sc., M.Phil., Ph.D.,	Assistant Professor	Hydrogeology & Hydrogeochemistry	6	-
Mr. G. Ramesh	M.Sc., M.Phil.,	Assistant Professor	Environmental Geology & Sedimentology	5½	-
Mr. C. Karthikeyan	M.Sc., M.Phil.,	Assistant Professor	Geomorphology & Dynamic Geology	5	-



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. R. Manivannan	M.Sc., M.Phil., Ph.D.	Assistant Professor	Mineralogy & ore Geology	5	-
Mr. S. Kumaravel	M.Sc., M.Phil.,	Assistant Professor	Remote sensing & GIS for Earth Science system studies	4½	-
Mr. M. Senthilkumar	M.Sc., M.Phil.,	Assistant Professor	Corals studies	4 ½	-
Mr. S. Rajmohan	M.Sc., M.Phil.,	Assistant Professor	Remote sensing	4	-

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus Professors:-** Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information:-** Nil

**14. Programme-wise Student Teacher Ratio**

M.Sc., Applied Geology Integrated (CBS): 5:1

M.Sc., Applied Geology Regular (CBCS) : 4:1

M.Phil., Applied Geology/Geoinformatics : 2:1

Ph.D., Geology/ Applied Geology/Geoinformatics: 2:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Actual
Technical Staff	5
Administrative Staff	9

**16. Research thrust areas recognized by funding agencies**

Hydrogeochemistry, sedimentology and remote sensing and GIS

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

**Number of Faculty with ongoing Project = 37 (national)**

Year	Faculty	Title	Funding Agency	Grants Received
2007-08	Dr.B.Guruganam	Integrated Rainwater Harvesting plants for Augmenting Groundwater Recharge Using Geophysics, Remote sensing and GPS in GIS Environment.	NRDMS - DST	12,85,000/-
	Dr. S. Chidambaram,	A study on fluoride ions in groundwater of Dindigul, Dist, TN	DST (Fast track)	6,12,000/-
	Dr. S. Chidambaram	An isotope geochemical study on the coastal aquifer susceptibility from Pondicherry to Nagapattinam with special focus on natural hazard	BRNS	14,38,000/-
	Dr. K. Srinivasamoorthy	Assessment of pollution and vulnerability status of water supply aquifers in Mettur Taluk, Salem Dist, Tamilnadu using geophysical, Hydrogeochemical, isotopic and GIS approach.	DST	9,75,000/-

Year	Faculty	Title	Funding Agency	Grants Received
	Dr. K. Srinivasamoorthy	Identification of groundwater recharge zones and assessment of pollution status in Thirumanimutur sub basin, Tamilnadu, India using geophysical and Geochemical Techniques.	UGC	9,20,000/-
	Dr. S. Aravindan	Hydrogeochemical mapping through GIS in Paravanar river sub basin with special reference to minor elements, Cuddalore Dist, Tamilnadu.	UGC	7,00,000/-
	Dr. S. Rajendran	Development and validation of remote sensing spectral signatures for visualizing uncertainties in high resolution and Hyperspectral satellite data (SPECSIGNS).	NRDMS - DST	46,00,000/-
2008-09	Dr. B. Gurugnanam	Integrated village level study on Hard Rock Aquifers in parts of upper Thirumanimutur watershed, Salem, District, Tamilnadu using Geographic Information Technology.	NRDMS - DST)	20,24,000/-
	Dr.S.Chidambaram	Hydrogeochemical modelling of coastal aquifer in and around Kalpakkam	AERB	17,76,000/-
	Dr.S.Chidambaram	Defloridation of water using natural material for better drinking water supply in rural region.	MOENF	38,84,000/-
	Dr. S. Singara-subramanian.	Tsunami and post Tsunami coastal sediment characterization at Vedharanyam and Kodiakarai Tamilnadu, East coast of India.	DST - SERC	2,10,000/-
	Dr.S.R.Singara-subramanian	Analysis of Tsunamigenic sediment along the East Coast between Portonova and Cuddalore, Tamilnadu (TSUMPAC)	CSIR	20,91,000/-
	Dr. G.R. Senthilkumar	To establish a relationship between electrical resistivity signatures, fracture geometry and impact of hydro fracturing on low yielding aquifers.	DST	4,73,000/-
	Dr.S.Vasudevan	A Strategic Environmental Quality Assessment of Lake Sediments from Cuddalore District, Tamilnadu: Perumal and Veeranam Lakes.	UGC	31,03,000/-
2009-10	Dr.T.Ramkumar	Groundwater Quality mapping in the coastal areas of Cauvery deltaic region, Tamilnadu using GIS Technology	UGC	8,57,300/-
	Dr. B. Gurugnanam	ELECGIS (Electioneering through Geographic Information System)	Govt. of Tamilnadu	27,83,000/-
	Dr.M.V.Mukesh,	Spatial decision support system through 3D GIS studies in parts of Kodai hills, Tamil Nadu	UGC	9,07,000/-
	Dr. T. Jeyavel Raja Kumar,	Evaluation of sea water damage on underground fresh water coastal aquifers from Vaippar to Thiruchendur coast, Tamilnadu, India	CSIR	14,98,000/-
2010-11	Dr. S. Chidambaram	Integrated approach to delineate groundwater susceptibility to contamination from near surface features and protection priorities in Pungar sub basin , Tamilnadu, India (DST)	DST	10,96,000/-
	Dr.R.S.Kumar	Petrogenetic study of Titan -Magnetic mineralization associated with massif type anorthosite magmatism in parts of Kadavur-Mammaniyur complex ,Tamilnadu	DST	5,04,000/-

Year	Faculty	Title	Funding Agency	Grants Received
	Dr.M.V.Mukesh	Morphodynamic and Coastal Erosion study along the East coast between Mandapam and Vember, Tamilnadu	CSIR	31,29,360/-
	Dr.M.V.Mukesh	Study of Si fluxes and nutrient inputs across the Tambraparani river basin in the east coast of India and assessment of their impacts on Coastal resources-AGeo-Biochemical Approach(SINUINAIC)	MoES	14,61,880/-
	Dr.S.Vasudevan	Evaluation of toxic element sequester trends in Kodaikanal lake sediments,Tamil nadu.	DST	21,46,000/-
	Dr.T.Jeyavel Rajakumar	Mapping of surface water quality in parts of Tamilnadu state, India using high resolution and Hyperspectral satellite data an Integrated approach (HYPERWATERQ)	UGC	11,38,000/-
2011-12	Dr.T.Ramkumar	Identification and Mapping of Seawater intrusion and sustainable Management of Ground Resources in the Coastal region of Cauvery Delta-Tamilnadu	DST	18,00,000/-
	Dr. S. Chidambaram	A Study on the uranium speciation and migration in the hard rock aquifers of Madurai District, Tamilnadu by hydrogeochemical modeling	UGC	6,40,300/-
	Dr. S.Chidambaram	Vulnerability assessment and groundwater management studies in aquifers of Pondicherry	MOWR	26,80,000/-
	Dr. S. Chidambaram	Integrated Geophysical hydrochemical and isotopic techniques to identify sources of groundwater salinization in coastal aquifers of Cuddalore district, Tamil Nadu	DST	26,00,000/-
	Dr.M.V.Mukesh	Determination of heavy metal concentration in the sediments and water of Uppanar river and coastal area of Cuddalore industrial Zone, Tamilnadu	UGC	9,16,800/-
	Dr.S.Kumaravel	Seawater intrusion research investigations to develop remote based land interaction systems for coastal aquifers adjoining Marakkanam area in the east coast of Tamilnadu and Pondy. union territory India	DST	23,56,800/-
2012-13	Dr.T.Ramkumar	Integrated study on geophysical, hydrogeological and soil conditions for land use planning in the Vedaranyam swamp area,Tamilnadu	MSSRF	6,98,500/-
	Dr. S.R.Singara-subramanian	Identification of storm surge and Heavy minerals deposits between Coleroon River mouth and Poomphuar Nagapatinam District, East cost of India.	UGC	11,80,300/-
	Dr.R.Prabhakaran	Physio-chemical, Mineralogical and Geochemical studies of clay of Trichinopoly group, Tamil Nadu and Identification of their potential for Industrial Applications.	UGC	9,39,800/-
2013-14	Dr.T.Ramkumar	Geospatial Information System on Geochemistry of coastal sediments of Tamil Nadu. Integrated GIS Based Environmental	DST	29,40,000/-

Year	Faculty	Title	Funding Agency	Grants Received
		Geochemical Database		
	Dr. S. Chidambaram	Study on the behavior of Uranium in groundwater from the granitic terrain of central Tamilnadu	BRNS	30,00,000/-
	Dr.M.V.Mukesh	Study of Si fluxes and nutrient inputs across the Vellar river basin in the east coast of India and assessment of their impacts on Coastal resources-A Geo-Biochemical Approach(SINUIA)	MOE&F (NNRMS)	27,27,600/-
	Dr.T.Jeyavel Rajakumar	Mapping of Potential Aquifer zone and groundwater quality in Chittar Sub basin of Tamirabarani River basin , Tamil Nadu India	DST	15,50,000/-

### 18. Inter-institutional collaborative projects and grants received

Title of the Project	Collaborating institution (National)	Total Outlay (in lakhs)
Hydrogeochemical and Isotopic Studies in Gadilam River Basin, Tamilnadu, India.	DST (CWRDM)	6.75
Subsurface flux of coastal water and management of coastal aquifer.	DST - JNU, CESS	0.66
An isotope geochemical study on the coastal aquifer susceptibility from Pondicherry to Nagapattinam with special focus on natural hazard.	BRNS	14.38
Defluoridation of water using natural material for Better drinking water supply in rural region	JNU	38.84
Hydrogeochemical modeling of coastal aquifer in and around kalpakkam – an integrated approach.	SRI,AERB	18.6

### 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.: - Total grants received. DST-FIST : 60 Lakhs

### 20. Research facility / centre with

- State recognition
- National recognition                      DST - FIST
- International recognition

### 21. Special research laboratories sponsored by / created by industry or corporate bodies Nil

### 22. Publications: (Detailed list in Annexure )

- Number of papers published in peer reviewed journals (national / international) – 161 (Annexure – I)
- Monographs
- Chapters in Books
- Edited Books - 05
  - GIS for earth resources management
  - Isotope tracer techniques for water resource development and management
  - Role of aqua chemical modeling in water resources pollution
  - Training Manual on Hydrogeochemical modeling using PHREEQC and MODFLOW
  - Proceedings of the workshop on Alternate water management strategies

➤ Books with ISBN with details of publishers

Title with page Nos.	Publisher ISSN/ ISBN No
Training Manual on Mathematical models in hydrogeochemistry Assessment of groundwater quality and management (2005)	Ganga Publishers 9788186867945
Mineral Exploration: Recent Strategies (2007) Eds. S.Rajendran, K.Srinivasamoorthy, S.Aravindan	New India Publisher ISBN 978-81-89422-71-4
Essentials of hydrogeology(2009) B.Gurugnanam	New India Publisher ISBN 978-81-90851-29-9
Geographic Information Systems (2009) B.Gurugnanam	New India Publisher ISBN 978-81-90851-28-2
Hyperspectral Remote Sensing and spectral signature applications (2009) Eds. S.Rajendran, S.Aravindan, T.Jeyavel Rajakumar, R.Sivakumar, K.R.Murali Mohan	New India Publisher ISBN 978-81-89422-34-9
Ground water monitoring and management through hydrogeochemical modeling approach (2010) Eds. S.Chidambaram, K.Srinivasamoorthy, AL.Ramanathan, P.Anandhan, R.Manivannan, M.Balakrishna Prasad, Manish kumar	Ik international 9789380578163
Recent Trends in water Research Remote sensing and general perspectives (2010) Eds. S.Chidambaram, K.Srinivasamoorthy, R.Manivannan, P.Anandhan, AL.Ramanathan	Ik international 9789380578170
Recent Trends in water Research Hydrochemical and hydrological perspectives (2010) Eds. S.Chidambaram AL.Ramanathan, K.Shivanna, R.Arthur James	Ik international 9789380026916
Geospatial Technologies (2013) Eds. S.Vasudevan, T.Ramkumar, G.Ramesh	New Academic Publishers, ISBN, 9788186772560
Lakes rivers and Coastal wetlands- Recent Perspectives (2013) Eds. S.Vasudevan, T.Ramkumar, SR.Singarasubramanian, RS kumar, G.Ramesh	New Academic publishers. ISBN 978-81-86772-57-7

- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index - range / average : 5-661
- SNIP : 0.00-1.194 (2012)
- SJR : 0.00-1.28 (2012)
- Impact Factor - range / average : 0.5 - 2.2
- h-index Range : 1 - 12

**23. Details of patents and income generated :- Nil**

**24. Areas of consultancy and income generated - Integrated Geoscience Rs. 6.98 Lakhs**

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**

Faculty	Scheme	Lab	Location
S.Aravindhnan	INSA	National Geophysical Research Institute	Hyderabad
S.Vasudevan	INSA	National Institute of Hydrology	Roorkee
K.Srinivasamoorthy	INSA	National Geophysical Research Institute	Hyderabad
S.Chidambaram	IAEA	Bhabha Atomic Research Centre	Mumbai
S.Chidambaram	DST - ILTP	Far East Geological Institute, Russian Academy of Sciences	Viladivostok, Russia
S.Chidambaram	IAEA	Philippines Nuclear Research Institute	Quezon City, Philippines

**26. Faculty serving in-** a) National committees b) International committees c) Editorial Boards d) Board of studies :

National committee	NIL
International committee	NIL
Editorial Boards	Dr.T.Ramkumar, Dr.S.Chidambaram, K.Srinivasamoorthy
Board of Studies	Dr.T.Ramkumar, Dr.S.Chidambaram, Dr.SR. Singarasubramanian, Dr.GR Senthilkumar, Dr.R.S.Kumar, Dr.MV.Mukesh,

**27. Faculty recharging strategies**

Faculty recharge is promoted by encouraging staff to attending orientation programs conducted by other universities, participating and presenting papers in State, National and International Seminars, Symposia and Workshops. Moreover they are also insisted to update the recent trends in the field of geology by attending training programs conducted by various institutes.

Refresher course attended by the Faculty: 10

Orientation attended by the Faculty : 5

**28. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects: 100
- percentage of students doing projects in collaboration with other universities / industry / institute : 100

**29. Awards / recognitions received at the national and international level by**

- Faculty: 3 (2 Bharat Jyoti Award & INSA)
- Doctoral / post doctoral fellows : (INSPIRE, RG fellowship)
- Students : 1 (inspire)

**30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.**

Seminars

Date	Title	Funding Agency	Out Standing Participants
22nd & 23rd March 2007	"HYDROCARE 2007" on "Concerns and concrete solutions for conserving water, Assessing and improving groundwater Quantity, Quality and Integrated Management"	UGC	A.L Ramanathan,JNU, New Delhi
14th & 15th February 2008.	"Hyperspectral Remote sensing and Spectral Signature Database Management System - HYPERSPEC 2008"	DST	R.Sivakumar, DST K.R.Murali Mohan, DST
2- 3rd March 2009	National Seminar on Recent Trends in water research	MOES, CSIR, BRNS,UGC	S.R.Ramanan, IMD Chennai K.Tirumalesh, BARC, Mumbai
17th and 18th Feb, 2011	National Seminar on "Basins of India, their resources and management".	ONGC,NLC,UGC	Dr. Singvi, PRL, Ahmadabad
29th & 30th March, 2012	Sustainable management of Groundwater with Special Focus on Coastal Aquifers (SMOGCAS)	BRNS,MOES,CSIR	U.Saravanakumar,Head, BARC, Mumbai A.L Ramanathan,JNU, New Delhi
March 24th -25th, 2013	National seminar on Lakes, Rivers and Coastal Wetlands		S.M.Ramaswamy, Former V.C of Gandhigram University, Dindigul

## Conference

5th & 6th March 2010.	"Recent trends in Geoscience Research" organized between.	UGC	Shri.Surendra mohan, DGM, NLC Neyveli
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## Workshops

3rd and 4th March, 2007.	Working Group Meet on "Hyperspectral Signature Database Management system - A Development and Perspective" organized	DST	Dr.Murali mohan, DST Anji Reddy, JNTU, Hyderabad
13th February, 2008.	3rd National Advanced working Group meet on "Hyperspectral Remote Sensing"	DST	R.Sivakumar, DST K.R.Murali Mohan, DST
2nd April, 2011	Recent Trends in minerals exploration	Mining Engineers Association, TN	Mr.Natrajan, President Mr.Sankarasubbu Vice President, MEAI, TN Chapter
Jan 25th, 2013	Recent Trends in Bio geochemistry		A.L Ramanathan, JNU, New Delhi
14th -20th Feb, 2013	Workshop on basic principles and applications of Geospatial technology	UGC	C.J.Kumanan, BARD, Trichy
March 15, 2013	Workshop on Alternative Water Management strategies		V.R.Visweswaran, VRV consultants Chennai Dr.Sivakumar, CE (Rtd), PWD, Chennai

## Training

S. No.	Date	Title	Funding Agency	Participants and experts
1	17 <sup>th</sup> to 29 <sup>th</sup> December, 2008.	National Training Programme on "Hyperspectral remote sensing and object Oriented image Analysis" organized between	NNRMS-ISRO	University of Hyderabad, Madras university Chennai, Anna university Periyar University, Salem, Barathidasan university, Tirchy etc.,
2	1 <sup>st</sup> to 5 <sup>th</sup> March 2010	Application of hydro geochemical modeling in water research	AERB	PGWA, Pondicherry, CWRDM, Kozhikode, AERB, Kalpakkam, BARC, Mumbai
3	15 <sup>th</sup> to 29 <sup>th</sup> November 2010	Training on Role of Aqua chemical modeling in water resource pollution	DST	IIT, Chennai, TNAU, Coimbatore, University of Mysore, Bangalore university.
4	Jan 21 <sup>st</sup> -31 <sup>st</sup> , 2013	Training course on hydrogeochemical modeling using PHREEQC and MODFLOW	MoES	NIH, Rookee, JNU, New Delhi, Kerala University, Trivandrum, Tezpur university, SRI Kalpakkam

### 31. Code of ethics for research followed by the departments

- Faculty members will strive to communicate their knowledge of the geosciences to the public; to promote proper stewardship of all natural resources in manner that is environmentally and economically responsible; to effectively communicate their knowledge of natural hazards to the public; to apply their knowledge for the enhancement of public policy and land-use planning; and to support educational opportunities for students, the profession, and the public.
- Faculty will treat students respectfully treated and without exploitation in the department. Members will strive to accurately represent an understanding and

knowledge of the geosciences, avoiding and discouraging the dissemination of erroneous, biased, or exaggerated statements.

- Faculty will also offer their professional advice and guidance only on those subjects in which they are informed and qualified through professional training or experience.
- Faculty will strive to cooperate with other researchers whenever possible and appropriate to assure rapid interchange and dissemination of knowledge in the geosciences.
- In publications, faculty should strive to differentiate facts, opinions, and hypotheses.
- Faculty will not plagiarize in verbal or written communication, and will give full and proper credit to the creativity, ideas, and efforts of colleagues and students. Faculty will not fabricate, falsify, or suppress results, deliberately misrepresent research findings, or otherwise commit scientific fraud.
- Faculty will not attempt to injure the reputation or professional opportunities of another scientist by false, biased, or undocumented claims. Faculty will not seek employment, grants, or gain by offers of gifts or favors, or by any other malicious action.
- Faculty will undertake reasonable efforts to ensure inclusiveness and will not discriminate against others, in the course of their work on the basis of race, sex, creed, age, sexual orientation, national origin, religion, and disability. Faculty will not practice or condone harassment in any form in any context.

### 32. Student profile course-wise:

Name of the Course	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
PG	119	87	24	32	4
Integrated Masters	78	54	2	16	2
M.Phil.	15	9	1	11	5
Ph.D.	20	13	3	6	2

### 33. Diversity of students

Categories	Year 1 (2008-09)		Year 2 (2009-10)		Year 3 (2010-11)		Year 4 (2011-12)		Year 4 (2012-13)		Year 4 (2013-14)	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
SC	4	2	13	2	6	-	2	3	9	6	26	6
ST	-	-	-	-	-	-	-	-	-	-	1	
OBC	14	1	6	7	22	3	10	1	14	11	58	8
General	-	-	-	-	-	-	-	-	-	-	6	6
Others	-	-	-	-	-	-	-	-	3	-	3	4

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.** - NET : 3 – SET : 1 – UPSC (GSI) : 2 – GATE : 1 – TNPS : 8

### 35. Student progression (2007-2012)

Student progression	Percentage against enrolled
UG to PG	-
PG to M.Phil.	5:5
PG to Ph.D.	11:6
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	30
• Other than campus recruitment	56
Entrepreneurs	14



### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	12
from other universities within the State	9
from universities from other States	
from universities outside the country	

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: - 04

### 38. Present details of infrastructural facilities with regard to

#### a) Library

Print	Number of books added during the last three years	Non Print	Special collections
3019/236	113	102	3019

b) Internet facilities for staff & students: YES

c) Total number of class rooms : 5

d) Class rooms with ICT facility : 1

e) Students' laboratories : 8

f) Research laboratories : 7

### 39. List of doctoral, post-doctoral students and Research Associates

#### a) from the host university :

Candidates Name	Awarded
M.V.Prasanna	2008
R. Sakthivel	2008
N.Prabhakaran	2009
A.Thirunavukkarasu	2009
S.Suresh	2010
D.Thondimuthu	2010
S.Pethaperumal	2010

Candidates Name	Awarded
R.Manivannan	2011
M.Vasanthavigar	2011
V.Vijayakumar	2012
S.Venkatramanan	2013
B.Selvaraj	2013
S.Manikandan	2014

#### b) from other universities

Candidates Name	Awarded
T. Jeyavelrajakumar	2007
Indu. V. Nair	2011
Johnsonbabu	2012
Shankar	2012

Candidates Name	Awarded
K.Sujatha	2013
A.Karthikeyan	2013
S.Kumaravel	2014

40. Number of post graduate students getting financial assistance from the university? - Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes. The introduction of new courses mainly concerns to the emerging field of science, with an equal importance on the job opportunities of the programme. Interaction with industrialists, subject experts, scientists, prestigious Aluminus in the developing area geological research and academicians of various organizations benefits the department in identifying the need of the society to take up necessary modifications in developing new programs.

Every new program of the department is put to discussion in the Board of Studies meeting and the outcome is subjected to the approval of the Academic Council.

#### 42. Does the department obtain feedback from

##### a) Faculty on curriculum as well as teaching-learning-evaluation? - Yes.

The view of the faculty members on curriculum are usually obtained by sending the draft copy the curriculum to the faculty members and their opinions and suggestions will be placed before the Board of Studies for consideration.

The reports of the evaluation of the students by the faculty are usually discussed in the regular staff meetings and suitable modification and remedial measures are worked out.

##### b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

The senior faculty in the department review the feedbacks obtained from the students and suitable measures will be adopted.

##### c) alumni and employers on the programmes offered and how does the department utilize the feedback?

The input from the alumni and employers are mostly used for the curriculum development and introduction of new courses. The department understands the societal needs by interaction with alumini and keeping in mind the future demands, it tries to cater these needs by offering new programs

#### 43. List the distinguished alumni of the department (maximum 10)

Prof.SM.Ramasamy	former Vice chancellor, Gandhigram university
Prof. A.Balasubramanian	former Pro Vice chancellor Pondicherry university, Presently in Dept of Geology, Mysore.
Prof.G.Shanmugam	Adj.Professor, University of Texas, USA
Prof.M.S.Pandian	Pondicherry university,
Mr.Prvesh Kumar	Leica systems, Bangalore
Dr.V.R.Visweswaran	Rtd Metro water Chennai,
Mr.Thillai Govindan	TWAD Board, Chennai
Mr.Senthil Kumar	ONGC, Karaikal
Mr.B.Vijayakumar	Geological Survey of india.
Dr.M.V.Prasanna	Asst.Professor, Curtin University, Malaysia
Dr.S.Rajkumar	SGS, New Delhi
Mr.Vijayaragavan	Assistant Geologist, Dept. of Geology & Mining, Chennai.

#### 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

The department utilizes the knowledge of the experts who visit the department for conduction Ph.D. Viva-Voce by means of requesting them to deliver a special lecture in their field of specialization.

The Department request the visiting alumni to deliver a lecture or arrange a meeting to share their experience with the students.

The Department is support with Sponsored Endowment Lectures which will be conducted periodically in the field of geoscience.

The Earth Science Association of the Department invites the distinguished personalities in the field of Geoscience and also from allied fields.



#### 45. List the teaching methods adopted by the faculty for different programmes



60% of lecture and 40% of ICT and participatory learning innovative pedagogy is followed. OHP, Video & Audio CDs, Slide show, Power point presentation, Group discussion, student Seminars, Maps, Field work, Field trip and Documentaries and Films

#### 46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

The learning outcomes are monitored by means of internal snap tests.

Students are advised to take seminar and submit assignments regularly.

The staff members are given chances to update their knowledge by means of participating in conferences and seminar closely related to their field of specialization.

#### 47. Highlight the participation of students and faculty in extension activities.

The NSS wing of the Department organizes village camp to educate the public on health issues and importance of agro forestry and bio shields for the safe and healthy life.



#### 48. Give details of “beyond syllabus scholarly activities” of the department.

The faculty members deliver inter active lectures on current issues and happenings in the field of geosciences on periodically.

Students takes active participation in the routine awareness camps on: Conservation of natural resources especially surface & ground water management, Preparedness for disaster management specifically to cyclone and monsoonal floods, and Climatic change and its impacts organized by the Earth Sciences association of the Department.

Awareness camps on non-renewable resources, like water, oil and mineral resources are conducted for different social communities.



**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. - No**

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

The department has made tremendous contribution in the field of mineralogy and petrology. The note worthy to mention include the identifying the petrogenesis of Sithampundi Anorthosite complex. The department is constantly engaged in higher research adopting advanced techniques in the field of Hydrogeochemistry, Lake sedimentology, Environmental geochemistry, Environmental Magnetism of coastal and Marine environments, Remote sensing and spatial information system, Sea water intrusion process and mitigation. The department organizes national seminar and workshops of current topics in Geo-science.

**51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

#### Strengths

- Young dynamic faculty members, highly intellectual.
- Diversified field of specialization among faculty members.
- Moderate to high analytical facility to undertake a research programme.
- Social student teacher interaction
- Collaboration with national level geological institutes and laboratories.
- Rigorous geological field work
- Care and concern of Alumini for curriculum development , employment and industrial training

#### Opportunities

- Our department provides an opportunity for rural first learners – not only to graduate themselves but also to continue their education to the highest level of research.
- More international seminar will be conducted to develop the collaborations and sandwich programs
- In crease in the demand of the geoscientist has to be made use off
- Greater opportunities are there for students progression from UG to research.
- The industrial interaction will be focused

#### Weakness

- Lack of sponsored Academic programmes
- Lack of International collaborations
- The university due to its geographical area of far away from the city, has attracted only few international students.
- Since most of the student entrants are, with education in the medium of regional language till Higher secondary level, they lack good Communicative Skills in English.
- Most of the students are first graduates. Hence, the motivation level is very low.
- Lack of space for future developmental activities

#### Challenges

- To improve the learners communication skills
- Interactions with the scientists of international repute
- To start sponsored innovative courses
- To obtain FIST phase II and UGC SAP for additional space and to improvise the teaching and research needs of the department

**52. Future plans of the department.**

- The department aims to attain the status of CAS status in the field of Geosciences.
- The department has a keen interest to develop an Environmental Isotope Geology lab for the study of present and paleo-environmental conditions.
- It aims to develop a spatial information data centre on Geo-science.
- It proposes to have a seismological monitoring system to study the vulnerability of coast zone in terms of neo tectonic activities.

## DEPARTMENT OF BIOCHEMISTRY & BIOTECHNOLOGY

- 1. Name of the Department:-** Biochemistry & Biotechnology
- 2. Year of establishment:-** 1994
- 3. Is the Department part of a School/Faculty of the university?:-** Yes, Faculty of Science
- 4. Names of programmes offered(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc.,D.Litt., etc.)**

- |  |  |
|--|--|
| 1. M.Sc. Biochemistry (CBCS) -2 years        | 2. M.Sc. Biotechnology (CBCS) -2 years |
| 3. M.Sc. Biotechnology (Integrated) -5 years | 4. M.Phil. Biochemistry                |
| 5. M.Phil. Biotechnology                     | 6. Ph.D. Biochemistry                  |
| 7. Ph.D. Biotechnology                       |  |

**5. Interdisciplinary courses and departments involved**

The M.Sc. Biotechnology Integrated Programme is interdisciplinary and involves 8 departments

Programme	Interdisciplinary Course	Offering Department	Offering faculty
M.Sc. Biotechnology (Int.)	1. Bio-organic Chemistry	Chemistry	Science
	2. Plant Science	Botany	Science
	3. Animal Science	Zoology	Science
	4. Bio-Statistics	Statistics	Science
	5. Bioprocess Engineering & Downstream Processing	Chemical Engineering	Engineering & Technology
	6. Environmental Biotechnology	Chemical Engineering	Engineering & Technology
	7. Marine Biotechnology	Marine Biology	Marine Sciences
	8. Drug Design & Drug action	Pharmacy	Engineering & Technology

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.** Nil

**7. Details of programmes discontinued, if any, with reasons** Nil

**8. Examination System: Annual/ Semester/ Trimester/Choice Based Credit System:-** Semester & Choice Based Credit System

**9. Participation of the department in the courses offered by other departments.**

The department offers optional courses for Botany, Zoology, Chemistry, Marine Sciences, and Chemical Engineering departments.

**10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/others)**

	Sanctioned *	Actual**
Professors	01	05
Associate Professors	02	01
Asst. Professors	05	27

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Includes the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

### 11. Faculty profile with name, qualification, designation and specialisation (D.Sc./D.Litt./Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	Experience	No .of Ph.Ds guided
Dr. S. Nagini	M.Sc., Ph.D.	Professor & Head	Cancer Biology	25	8
Dr.C.V. Anuradha	M.Sc.,M.Phil., Ph.D.	Professor	Diabetes, Toxicology	23	12
Dr. N. Nalini	M.Sc., Ph.D.	Professor	Cancer Biology, Atherosclerosis	21	13
Dr. L. Pari	M.Sc., M.Phil., Ph.D.	Professor	Diabetes, Toxicology	21	13
Dr. P. Subramanian	M.Sc., Ph.D.	Professor	Chronopharmacology	20	10
Dr. S. Manoharan	M.Sc., M.Phil., Ph.D.	Asso. Prof.	Cancer Biology	14	13
Dr.P. Stanely Mainzen Prince	M.Sc., B.Ed., M.Phil., Ph.D.	Asst. Prof.	Diabetes, Myocardial Infarction	13	6
Dr. E. Balamurugan	M.Sc., M.Phil, Ph.D.	Asst. Prof.	Psychopharmacology	14	-
Dr. B. Raja	M.Sc., Ph.D.	Asst. Prof.	Cardiovascular Biology	12	3
Dr. K. Suresh	M.Sc., M.Phil., Ph.D.	Asst. Prof.	Oral Cancer	12	2
Dr. N.Rajendra Prasad	M.Sc., M.Phil., Ph.D.	Asst. Prof.	Radiation oncology	12	4
Dr. S. Sivabalan	M.Sc., M.Phil. Ph.D.	Asst. Prof.	Metabolic syndrome	10	-
Dr. P. Pugalendhi	M.Sc., M.Phil., Ph.D.	Asst. Prof.	Cancer Biology	9	-
Dr. P.Selvaraj	M.Sc. M.Phil., Ph.D.	Asst. Prof.	Myocardial Infarction	8	-
Dr. L. Vennila	M.Sc., M.Phil., Ph.D.	Asst. Prof.	Myocardial Infarction	7	-
Dr. S. Mirunalini	M.Sc., M.Phil., Ph.D.	Asst. Prof.	Cancer, Myocardial Infarction	7	1
Dr. T. Manivasagam	M.Sc., M.Phil., Ph.D.	Asst. Prof.	Neuroscience	7	3
Dr. N. Vijayakumar	M.Sc., M.Phil., Ph.D.	Asst. Prof.	Chronobiology	7	-
Dr. V.Vinothkumar	M.Sc., M.Phil., Ph.D.	Asst. Prof.	Cancer Biology	7	-
Dr.C. Sankara Narayanan	M.Sc., M.Phil., Ph.D.	Asst. Prof.	Diabetes	6	-
Dr.N.Ashok Kumar	M.Sc., M.Phil., Ph.D.	Asst. Prof.	Diabetes, Toxicology	6	2
Dr. G. Sindhu	M.Sc., M.Phil., Ph.D.	Asst. Prof.	Cancer Biology	6	-
Dr. A. Justin Thenmozhi	M.Sc. M.Phil., Ph.D.	Asst. Prof.	Neuroscience	6	-
Dr. G. Kanimozhi	M.Sc., M.Phil., Ph.D.	Asst. Prof.	Radiation Biology	6	-
Dr. S. Srinivasan	M.Sc., M.Phil., Ph.D.	Asst. Prof.	Diabetes	6	-
Dr.R. Subashini	M.Sc., M.Phil, Ph.D.	Asst. Prof.	Cardiovascular Pharmacology	6	-
Dr. B. Deepa	M.Sc., M.Phil, Ph.D.	Asst. Prof.	Diabetes	6	-
Dr. R. Kowsalya	M.Sc., M.Phil., Ph.D.	Asst. Prof.	Cancer	5	-
Dr. R. Saravanan	M.Sc., M.Phil., Ph.D.	Asst. Prof.	Diabetes	5	-
Mr. R. Murali	M.Sc., M.Phil.,	Asst. Prof.	Diabetes	5	-
Ms. M. Kavitha	M.Sc., M.Phil.,	Asst. Prof.	Neuroscience	5	-
Ms. A. Kanagalakshmi	M.Sc., M.Phil.	Asst. Prof.	Radiation Biology	5	-
Ms. T. Dhanalakshmi	M.Sc., M.Phil.	Asst. Prof.	Cardiovascular Biology	4	-

### 12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

1. Dr. Sunil Sazawal, Johns Hopkins University, USA.
2. Dr.C.Rajamanickam, Director, Osho Biotech Research Institute, Madurai

### 13. Percentage of classes taken by temporary faculty - programme-wise information - Nil

### 14. Programme-wise Student Teacher Ratio:

M.Sc.: 7:1 – M.Phil.: 1:1 – Ph.D.: 6:1

3. Dr.K.Balasubramanian, CEO, Ramoni Research Foundation, Chennai - 600 061.

### 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Actual
Technical Officers	07
Non-teaching staff	15

### 16. Research thrust areas as recognized by major funding agencies

- Medical Biotechnology
- Cancer Biology
- Diabetes & Cardiovascular Biology
- Chronopharmacology & Chronotherapeutics
- Radiation Biology
- Neuroscience



### 17. Number of faculty with ongoing projects from

a) National funding agencies: 57

b) International funding agencies: One

Total grants received: Rs. 13,46,18,807

Give the names of the funding agencies, project title and grants received project-wise.

Principal Investigator	Title of the Project	Funding Agency	Duration of the Project	Outlay Rs.
Dr. S.Nagini	Evaluation of the anticancer effects of the neem limonoids azadirachtin and nimbolide in Hep G2 cells in vitro and in a rat hepatocarcinogenesis model in vivo	UGC	2010-2013	1208600
	Effect of cytomodulins on oral cancer therapy	DBT	2011-2012	750000
	Impact of agents with potential use in functional foods on biomarkers for induction of age related diseases	Indo-EU DBT	2010-2014	15818000
	Evaluation of therapeutic potential of glycogen synthase kinase 3 in chewing tobacco mediated oral cancer	DBT	2013-2015	2589000
Dr.C.V.Anuradha	Insulin sensitizing effects of astaxanthin in a mice model of metabolic syndrome: inflammatory pathways and endoplasmic reticulum stress as potential therapeutic targets	UGC	2010-2013	1191085
	Differential effects of soy protein, casein and egg albumin on insulin sensitivity: A study on adipocyte secretory profile and inflammatory pathways in fructose-fed insulin resistant rats	ICMR	2011-2013	1755088
	Dietary polyphenols as modulators of energy sensing network: evaluation under insulin resistant conditions	DST	2012-2015	3510000
Dr.N.Nalini	Molecular basis of chemoprevention by gallic acid: NFκB as a potential target in 1,2-dimethylhydrazine induced colon carcinogenesis	UGC	2011-2014	806800
	Molecular basis of chemoprevention by carvone: NFκB as a potential target in 1,2-dimethylhydrazine induced colon carcinogenesis	DBT	2011-2014	2798000
	Prospective observational study of rotavirus infection in infants in Sangam Vihar, India to prepare for a proposed rotavirus Vaccine Efficacy Trial, 166,453 USD CMR	Path Vaccine Solutions, USA	2012- 2013	14655174
Dr.L.Pari	Effect of Scoparia dulcis L (Sweet Broom Weed ) on liver and muscle glucose metabolism	UGC	2007- 2010	742840



Principal Investigator	Title of the Project	Funding Agency	Duration of the Project	Outlay Rs.
	Monitoring the cadmium level in SIPCOT - Cuddalore and study the beneficial effect of Tetrahydrocurcumin on cadmium toxicity	MOEF	2010 - 2012	2400000
	Anti-inflammatory and anti-diabetic effects of phytochemicals	Sami Labs	2012 - 2015	3500000
	Molecular action of naringin, a flavonoid in type 2 diabetes mellitus Induced endothelial dysfunction	UGC	2012-2015	753100
Dr.P.Subramanian	Circadian pattern of expression of d clock and vrille in brain and peripheral tissues of cryb and vg mutants of Drosophila melanogaster	DST	2007-2010	2139000
	Chronopharmacological and chronotherapeutic effect of fisetin in hyperammonemic rats	UGC	2010-2013	1391085
	Anticancer agents: chronopharmacological and chronotherapeutic and activity rhythm studies in the field mouse (Mus booduga) bearing liver cancer	ICMR	2010 -2013	1371600
	Chronotherapeutic studies of anticancer agents of temporally oscillating circadian clock and cell regulating gene transcripts in liver tumour bearing mice	ICMR	2013-2016	2442972
Dr.S.Manoharan	Evaluation of chemopreventive potential of carnosic acid on 7,12-dimethylbenz[a]anthracene induced oral carcinogenesis: A biochemical and molecular approach	ICMR	2009- 2012	1743775
	Anti-tumour initiating and anti-tumor promoting efficacy of andrographolide in 7,12-dimethylbenz[a]anthracene (DMBA) induced oral carcinogenesis: A biochemical and molecular approach	CSIR	2009- 2012	1555232
	Molecular chemopreventive approaches for ferulic acid in 7, 12-dimethylbenz(a)anthracene induced oral carcinogenesis	UGC	2011- 2014	1288800
	Biochemical and molecular evaluation of anticancer potential of lupeol in 7, 12-dimethylbenz(a)anthracene-induced oral carcinogenesis	DST	2011- 2014	2524524
Dr.P.Stanely Mainzen Prince	Preventive effect of (-) epicatechin on normal and isoproterenol induced myocardial infarction in rats	DST	2007-2010	690000
Dr.E.Balamurugan	Modulatory effect of ethanol on olanzapine treated methylphenidate induced mania and corticosterone induced depression	UGC	2013 -2016	1273300
Dr.B.Raja	Evaluation of cardioprotective effect of a novel bioflavonoid morin in DOCA-salt hypertensive rats	DST	2009- 2012	1982600
	Antihypertensive, vasorelaxant and antioxidant effect of diosmin- a citrus flavonoid in DOCA-salt hypertensive rats	UGC	2010- 2013	627800
Dr.K.Suresh	Evaluation of chemopreventive potential of 6-Paradol on 7, 12-dimethylbenz- [a]anthracene (DMBA) induced hamster buccal pouch carcinogenesis	UGC	2008- 2011	824300
	Evaluation of chemopreventive potential of mosinone-A on 7,12-dimethylbenz[a]anthracene (DMBA) induced hamster buccal pouch carcinogenesis	DST	2008-2011	1850000
	Evaluation of chemopreventive potential of Diosmin on DMBA induced oral carcinogenesis - An in vitro and in vivo approach	ICMR	2012- 2015	1936250

Principal Investigator	Title of the Project	Funding Agency	Duration of the Project	Outlay Rs.
	Protective effect of 6 shagaol on 7,12 dimethylbenz anthracene (DMBA) induced oral carcinogenesis in male golden Syrian hamsters	UGC	2013-2016	1118300
Dr.N.Rajendra Prasad	Evaluation of radiosensitizing effect of ferulic acid in Hela, CaSki and ME180 cancer cells	UGC	2007-2010	903000
	Evaluation of photo-protective effect of sesamol on UVB radiation induced cellular changes in cultured skin fibroblasts	DST	2007-2011	1813000
	Assessment of Health Status of Industrial and Medical Radiation Workers in the States of Tamil Nadu and Andhra Pradesh	AU-BARC	2011-2014	1700000
	Evaluation of preventive effect of caffeic acid on ultraviolet-B induced photocarcinogenesis in Swiss albino mice	UGC	2013-2017	1350000
	Sensitization of multidrug resistant ABCB1 overexpressing oral carcinoma KB cells to paclitaxel by ferulic acid	DST	2013-2017	4877000
Dr.P.Pugalendhi	Effect of diindolylmethane on Bisphenol A, an estrogenic endocrine disruptors exposed female Sprague-Dawely rats	UGC	2013-2016	1205800
Dr.S.Mirunalini	Chemopreventive potentials of Pergularia daemia (Forsk) chiov.on 7,12-dimethylbenz(a)-anthracene induced hamster buccal pouch carcinogenesis	DST	2012-2015	2025000
	Efficacy of the Pleurotus ostreatus (oyster mushroom) on experimental mammary carcinogenesis in rat and in human mammary cancer cells (MCF-7)	UGC	2012-2015	1370800
Dr.T.Manivasagam	Neurorescue role of the Polyphenols on Anatomical, Behavioural, Biochemical and Neurochemical variables in MPTP intoxicated Parkinsonic Mice.	UGC	2009-2012	1154800
	Neuroprotective effect of lycopene and lutein (carotenoids) on in vivo and in vitro models of Parkinson's Disease.	ICMR	2012-2015	1738538
	Impact of stress on experimental Parkinson's Disease: Causative or Progressive agents of PD?	DBT	2013-2016	4557000
	Neuroprotective effect of Asiatic Acid, a triterpene of Centella asiatica on in vivo and in vitro models of Parkinson's Disease	DST	2013-2016	2222000
Dr.V.Vinothkumar	Chemopreventive and chronotherapeutic efficacy of hesperetin on 7,12-dimethylbenz[a]anthracene (DMBA) induced hamster buccal pouch carcinogenesis	DST-SERB	2013-2016	1990000
Dr.N.Ashokkumar	Biochemical and molecular mechanism of myricetin on streptozotocin-cadmium-induced nephrotoxic rats.	UGC	2011-2014	921300
	Impact of Chlorella on nonalcoholic fatty liver disease in C57BL/6J mice model of hepatic insulin resistance by differential regulation of pancreatic endoplasmic reticulum kinase	ICMR	2012-2014	1965320
	Morellin modulates insulin signaling, glucose metabolism and haemodynamic factors associated with diet induced diabetic hypertension in mice.	DST	2012-2015	2472746
Dr.A.Justin Thenmozhi	Neuropromotive effect of the tannoid principles of Emblica officinalis on aluminium chloride induced rat model of Alzheimer's disease	UGC	2013-2016	1093800
	Neuroprotective effect of hesperidin, a dietary	DST	2013-2016	1995000

Principal Investigator	Title of the Project	Funding Agency	Duration of the Project	Outlay Rs.
	flavanoid in aluminium chloride- induced Alzheimer's disease: a molecular and biochemical approach			
Dr.G.Kanimozhi	Preventive effect of umbelliferone on ultraviolet-B radiation induced molecular changes in human dermal fibroblasts	DST	2013-2016	2300000
Dr.S.Srinivasan	Effect of citronellol, a monoterpene on insulin signalling cascade, proinflammatory markers and glucose metabolism in Streptozotocin induced diabetic rats	DST-SERB	2013-2016	2040000
Dr.R.Saravanan	Biochemical and molecular approach to the antidiabetic effect of Bergenin, a natural polyphenol in high fat diet-induced diabetic C57BL/6J mice	UGC	2012-2015	1290300
	Effect of D-limonene, a monoterpene, in streptozotocin induced experimental diabetes	DST	2012-2015	1894000
	Effect of Vitexin, a natural flavone, on insulin signaling cascade proteins and adipocyte differentiation transcription factors in high fat diet- induced type 2 diabetic C57BL/6J mice	ICMR	2013-2016	2710350
Dr.K.V.Pugalendi (Retired)	Antihypertensive effect of Melotheria maderaspatana leaf extract on DOCA-salt hypertensive rats	ICMR	2007-2009	705180
	Pathway specific gene and global gene expressions and specific functional (182KDa- $\alpha$ -2 macroglobulin) proteome analysis in rat myocardial cells during iso induced ischemia and upon ursolic acid treatment	DST	2009-2012	2678400
	Combined effect of carvacrol and rosiglitazone on high-fat diet fed C57BL/6J type 2 diabetic mouse model.	UGC	2011-2014	811800
	Isolation and characterization of active principles from Cardiospermum helicacabum leaf and its effect on glycemic control in normal and streptozotocin induced diabetic rats.	ICMR	2012-2015	1266636
Dr. Venugopal P. Menon (Retired)	Effect of Mode of delivery of iron and zinc supplement on Iron status markers and potential markers of iron toxicity in children age 24 to 36 months	ICMR	2009-2010	63,29,812
<b>Grand Total</b>				<b>13,46,18,807</b>

## 18. Inter-institutional collaborative projects and associated grants received

### a) All India collaboration

Name of the Investigator	Title	Funding Agency	Collaborating institutions	Period	Amount (Rs.)
Dr. S. Nagini	Evaluation of therapeutic potential of glycogen synthase kinase 3 in chewing tobacco mediated oral cancer	DBT	Central University Jharkhand	2013-15	2589000
	Effect of cytomodulins on oral cancer therapy	DBT	IIT-Madras and Raj Bioengineering Ltd. Gurgaon	2011-12	750000
Dr.N.Rajendra Prasad	Assessment of Health Status of Industrial and Medical Radiation Workers in the States of Tamil Nadu and Andhra Pradesh	DAE	BARC Mumbai	2010-11	1700000

## b) International Collaboration

Name of the Investigator	Title	Funding Agency	Collaborating institutions	Period	Amount (Rs.)
Dr.S.Nagini	Impact of agents with potential use in functional foods on biomarkers for induction of age related diseases Co-ordinating Institution: Annamalai University	DBT	1. Stockholm University, Sweden 2. Karolinska Institute, Sweden 3. UNITUS Italy 4. BIU, Germany 5. VINCA, Serbia 6. IIT-Madras 7. NIN-Hyderabad	2010-14	15818000
Dr.N.Nalini	Prospective observational study of rotavirus infection in infants in SangamVihar, India to prepare for a proposed rotavirus Vaccine Efficacy Trial, 166,453 USD CMR, 2012- 2013	Path Vaccine Solutions, USA	Johns Hopkins University, USA Serum Institute	2012-13	14655174

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.: -**

DST-FIST:	37,50,000
UGC-SAP:	70,00,000
<b>Total:</b>	<b>1,07,50,000</b>

**20. Research facility / centre with**

- State recognition Nil
- National recognition Nil
- International recognition Nil

**21. Special research laboratories sponsored by/ created by industry or corporate bodies - Nil**

**22. Publications: - Total No. of Papers Published - 705**

- Number of papers published in peer-reviewed International journals with Impact Factor: 492 (Annexure - I)
- Monographs: Nil
- Chapters in Edited Research Books (International): 13
  1. Nagini S. and Senthil Murugan R. Cancer chemoprevention by black tea polyphenols: Emerging evidence and molecular targets In: Preedy VR. (ed) *Tea in Health and Disease Prevention*. Academic Press, London 2013, pp.737-750.
  2. Vidya Priyadarsini R. and Nagini S. Aberrant signaling pathways in cancer: Modulation by the dietary flavonoid, quercetin. In: Shankar S. and Srivastava R. (eds). *Nutrition, Diet and Cancer*, Springer Verlag, New York, 2012, pp. 1-21.
  3. Nagini S. and Vidya Priyadarsini R. Apoptosis Induction by Nimbolide, a Limonoid from *Azadirachta indica*: Molecular Targets and Signaling Networks. In: Chen GC and Lai PBS (eds), *Novel apoptotic regulators in carcinogenesis*. Springer Verlag 2012, pp. 27-44.

4. Nagini S. and Vidya Priyadarsini R. *Azadirachta indica* (Neem) and Neem Limonoids as Anticancer Agents: Molecular Mechanisms and Targets. Springer India (in press).
  5. Anuradha C. V. Fenugreek based spice, a traditional functional food ingredient. In: (eds) John Shi, Chi-Tang Ho, Fereidoon Shahidi, Functional Foods of the East, Taylor and Francis group, CRC publications, pp263-276, 2011.
  6. Nalini N, Cardiovascular Diseases: Nutritional and Therapeutic Interventions, Taylor & Francis Group, 2013, Page:(421-439)
  7. Pandi-Perumal SR, Subramanian P, Trakht I, Cardinali DP. (2008) Chapter 16: Chronopharmacology: Principle and applications in sleep medicine In: *Sleep disorders: diagnostics and therapeutics* , Informa Healthcare, London, UK pp 153-162.
  8. M. M. Essa, G. J. Guillemain, F. L. Hakkim, P. Subramanian (2012) Chapter 18: Hypolipidemic and antihyperlipidemic effect of *Hibiscus sabdariffa* leaves in experimental hyperammonemic rats. In: *Natural products and their active compounds on disease prevention* (Eds.) M. M. Essa, A. Manickavasagan, E. Sukumar, Nova Science Publishers, New York, USA pp. 325-332.
  9. Rajendra Prasad N, Kanimozhi G. Role of phytochemicals on radiation-modification in normal and cancer cells: A review. Nova Science Publishers, NY, USA, Role of Natural Products and Bioactive Compounds in Disease Prevention, 2012.
  10. Tamil Selvam K and Manivasagam T, Neuropreventive role of *Withania somnifera* root powder and *Mucuna pruriens* seed powder in Parkinsonic mice, (2012), M. Mohamed Essa, A. Manickavasagan and E. Sukumar (eds.), Natural Products and their Active Compounds on Disease Prevention, Nova Publishers, ISBN: 978-1-62100-300-7.
  11. Vijayan RK, Mohamed Essa M, Al-Rawahi AS, Guillemain GJ, Subash S, Manivasagam T and Anandan A,. Health Benefits of Onion, (2013) M. Mohamed Essa and Mushtaq A. Memon (eds.), Food as Medicine, ISBN: 978-1-62417-782-8.
  12. Vijayan RK, Essa M.M, Al-Rawahi AS, Guillemain GJ, Subash S, Manivasagam T and Anandan A, The Potential Health Benefits of Almonds, (2013), M. Mohamed Essa and Mushtaq A. Memon (eds.), Food as Medicine, ISBN: 978-1-62417-782-8.
  13. Subash S, Essa M.M, Waly MI, Ali A, Al-Rawahi AS, Vijayan RK, Guillemain GJ, Subramanian P, Manivasagam T and Anandhan, A, Natural Products and Their Benefits on Experimental Hyperammonemia, (2013), M. Mohamed Essa and Mushtaq A. Memon (eds.), Food as Medicine, ISBN: 978-1-62417-782-8.
- Edited Books : Nil
- Books with ISBN with details of publishers:
1. S. Nagini. Genetic Engineering. Principles and Applications. SciTech Publ., Chennai, 2011.
  2. S. Nagini. Instant Biochemistry. Ane Books, New Delhi, 2009.
  3. S. Nagini. Dictionary of Biochemistry, Biotechnology and Bioinformatics. 2<sup>nd</sup> ed. SciTech Publ., Chennai, 2008.
  4. S. Nagini. A Textbook of Biochemistry: Molecular and Clinical Aspects. 2<sup>nd</sup> ed. SciTech Publ., Chennai. 2007.

- **Conference Proceedings** - S. Manoharan (2009). Research and review articles presented in CSIR-ICMR-TNSCST sponsored National conference on Diabetes mellitus and Cancer. Excel India Publishers, New Delhi.2009, p1-194. ISBN: 978-93-80043-56-2.
- **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)** : - 491 Publications and all books and book chapters.
- **Citation Index- range/ average** : Total: 8286; Range: 1 to 262
- **SNIP** : Range: 0.124 to 3.664
- **SJR** : Range: 0.126 to 2.473
- **Impact Factor- range/ average** : Range: 0.258 to 15.88
- **h-index** : Range: 2 to 35

### **23. Details of patents and income generated -**

**Title** : Black tea polyphenols and uses thereof. International Publication

**Number** : WO2007/038291 A1. Applicants: Mitsui Norin Co. Shizuoka, Japan and Annamalai University, India.

**Inventors:** Yukihiro Hara and Siddavaram Nagini.

### **24. Areas of consultancy and income generated -**

Dr.N.Rajendra Prasad, Assessment of Health Status of Industrial and Medical Radiation Workers in the States of Tamil Nadu and Andhra Pradesh, AU-BARC (MoU Based), 2011- 2014, Rs.17,00,000.

### **25. Faculty selected nationally / internationally to visit other laboratories /institutions/ industries in India and abroad**

#### **Dr. S. Nagini**

1. University of Shizuoka, Japan, 2007.
2. National Cancer Institute, Tokyo, Japan, 2007.
3. Stockholm University and Karolinska Institute, Sweden, 2010, 2012.
4. University of Viterbo, Italy, 2011, 2012.
5. Biochemical Institute for Environmental Carcinogens, Hamburg, Germany, 2012.

#### **Dr. L. Pari**

1. Commonwealth Academic Professional Fellowship sponsored by Commonwealth Scholarship Commission, UK (Visiting Professor-Institute for Cellular and Molecular Sciences, University of London, UK), 2010.
2. INSA Fellowship sponsored by Indian National Science Academy (INSA) & DFG, Germany (Visiting Scientist-German Diabetes Research Centre, Dusseldorf, Germany), 2007.

#### **Dr. P. Subramanian**

1. Visiting Professor, Department of Molecular Medicine, Faculty of Medicine, University of Malaya, Malaysia, 2013.
2. Visiting Faculty UGC School of Life Sciences. Pandit ravishankar Shukla University, Raipur, 2008.

#### **Dr. N. Rajendra Prasad**

1. Advanced Research Training under DBT-Overseas Associateship Award scheme, USA, 2009
2. National Cancer Institute, NIH, USA, ICMR-International Fellowship, 2013.

## 26. Faculty serving in

### a) National committees:

Dr.S.Nagini, Member Task Force of Empowerment and Equity Opportunities for Excellence in Science Scheme of the Department of Science and Technology, Govt. of India.

### b) International committees: Nil

### c) Editorial Boards

1. Dr. S. Nagini, Anticancer Agents in Medicinal Chemistry, Bentham Publ., 2005-2009, 2013- till date.
2. Dr. S.Nagini, Translational Gastrointestinal Cancer, 2014.
3. Dr. S. Nagini, Evidence-based Complementary and Alternative Medicine, Hindawi Publ. 2009-2011.
4. Dr. N. Nalini, Cellular and Molecular Biology, 2012-2015

d) Any other (please specify) Several faculty serve as Members of Boards of Selection, Boards of Studies, Doctoral Committees, and as Office Bearers in Professional Societies.

## 27. Faculty recharging strategies (UGC,ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Faculty attend in-service training, orientation, refresher courses and workshops organized in the University as well as in other Universities and institutions to recharge and rejuvenate interest. The University promotes “Faculty Improvement Programme” and “Faculty Exchange Programme” for the benefit of teachers. Faculty also organize training programmes and workshops that hone their leadership qualities and organizational skills in addition to knowledge sharing with other institutions.

## 28. Student projects

- percentage of students who have done in-house projects including inter- departmental projects - 80%
- percentage of students doing projects in collaboration with other universities / industry/ institute- 20%

## 29. Awards / recognitions received at the national and international level by

- Faculty - Prestigious Awards received by the faculty

Names of Prestigious Awards	Name of the Faculty
Commonwealth Award for University Teachers 1997-1998	Dr. S.Nagini
DBT National Young Woman Bioscientist Award 2002	
UGC Research Award for Teachers - IX Plan Period (1999-2002)	Dr. C.V. Anuradha
ICMR Kshanika Oration Award-2004, ICMR, New Delhi. N. K. Jain Endowment Award-2008, Annamalai University.	
Dr. P. A. Kurup Oration award Lecture at International conference on Recent Trends in Atherosclerosis and 25th Annual Conference of The Indian Society for Atherosclerosis Research (ISARCON-2012), September 01-03, 2012	Dr.N.Nalini
DBT CREST-Award: Visiting Professor, University of Glasgow, UK. 2013.	Dr.L.Pari
Advanced Research Training under DBT-Overseas Associateship Award scheme, USA, 2009	Dr.N.Rajendra Prasad
ICMR-International Fellowship for Young Biomedical Scientists, Indian Council of Medical Research, New Delhi, 2013	Dr.N.Rajendra Prasad
Young Investigators Award, 16th WCCN/6th ICCD, New Delhi, September 11-12, 2011	Dr.V.Vinoth Kumar
Lifetime achievement award in the field of Chemistry by VELS University, 2011	Dr.K.V.Pugalendi
Nag Memorial Award -2011	Dr. S.Manoharan

- Doctoral / post doctoral fellows
- Students

Name	Programme &Year	Award Details
Nisha Susan Thomas	Ph.D. Biotechnology 2013	DST-INSPIRE
Abhishek Singh	III M.Sc. Biotechnology 2009-10	A.D. Shroff Memorial Elocution Award, FORUM of Free Enterprise, Mumbai
Arulmozhi.V	M.Phil Biotechnology 2009-10	Best Poster Award, University, Vellore
A.R.Rajkumar	IV M.Sc. Biotechnology 2009-2010.	YRC - Best Volunteer Award, for the Faculty of Science, Academic year
Abhishek Singh	III M.Sc. Biotechnology 2011-12	A.D. Shroff Memorial Elocution Award, FORUM of free Enterprise Mumbai
M. Manoj Prabhakar	M.Phil. 2012	Journal of Cell and Tissue Research Award, University of Baroda.

### 30. Seminars/Conferences/Workshops organized and the source of funding(national / international)with details of outstanding participants, if any.

#### National

Name of the Seminars/ Conferences/Workshops	Funding Agency	Outstanding Participants
National Conference on "Free radicals and antioxidants in health and disease" (2007)	UGC	Lindsay Brown, Australia
National Conference on "Diabetes mellitus and Cancer (Dia-Can '07)"	UGC-SAP	Dr.PrabudasS.Patel, Gujarat Dr.Manoj.K.Bhat, Pune Dr.ManojPandey,Varanasi
National Conference on "Diabetes mellitus and Cancer (Dia-Can '08)"	ICMR-CSIR	Dr.Abhishek Singh, Kanpur
Workshop on "Biochemical Techniques" & National Conference on "Natural Products in health" (2008)	UGC-SAP	Dr. A.Jayakumar, MD.Anderson Cancer Centre, Houston, USA
National Conference on "Diabetes mellitus and Cancer (Dia-Can '09)"	CSIR ICMR TNSCST	Aravind K. Srivastava, Lucknow S.K.Choudhuri, Calcutta
20 <sup>th</sup> Annual Meeting of Society of Biological Chemists (India) and National Conference on Frontiers in Medical Biotechnology (2010)	UGC-SAP	Dr. AJ Rao, IISc., Bangalore
National workshop on "Animal Cell Culture Techniques (ACCT-2010)".	DBT, CSIR & UGC	Dr.M.A.Akbarsha, Trichy Dr.B.N.Pandey, BARC,Mumbai Dr.Solomon FD Paul, Chennai
Diabetes Mellitus and Cancer (DIA-CAN' 2011)	UGC-SAP	Dr. SatheesRaghavan, IISc. Bangalore
National workshop on "Animal Cell Culture Techniques (ACCT-2011)"	DBT, ICMR,UGC& CSIR.	Dr.RameshBhonde, Malaysia Dr.SurvoChatterjee, Chennai Dr.MaryBabu, Chennai
21 <sup>st</sup> Annual meeting of Society of Biological Chemists (India), Annamalainagar Chapter andNationalconferenceon 'Recent Trends in Phytotherapy Research (2011)	UGC-SAP	Dr. Sathees Raghavan, IISc. Bangalore
23 <sup>rd</sup> Annual Meeting of Society of Biological Chemists (India) and National Conference on Phytomedicine Research and Challenges (2013)	UGC-SAP	Dr. H.Devaraj, Madras University
Genomics, Proteomics and Bioinformatics (GPB-2013)	ICMR,CSIR & DBT	Dr.RapoleSrikanth, NCCS, Pune Dr.M.NPonnusamy, Chennai Dr.M.MichaelGromiha, IIT-M
UGC-Sponsored Academy-Industry Meet on Trends in Medical Biotechnology: Oppurtunities& Challenges (TMBT-2014)	UGC	Dr. MadhulikaDixit,IIT-Madras Dr. P. Kondaiah,IISc, Bangalore Dr. AJ. Rao, IISc, Bangalore Dr. T.R. Raju, NIMHANS Dr. S. Narayanan, Biocon, Bangalore



## International

Name of the Seminars/ Conferences/Workshops	Funding Agency	Outstanding Participants
Natural Products in Health, XXI Annual Conference of ISAR (2008)	DST, Ministry of Earth Science	Dr.NaranjanS.Dhalla, Canada Dr.NilanjanaMaulik, Connecticut, USA
Nutrition in Cardiovascular Diseases (Healthy Heart'10)	CSIR-ICMR	Dr.Arunchokalingam,USA DrA.D.Wilson, UK
Diabetes Mellitus and Cancer (Dia- Can'12)"	DBT and CSIR	Dr.NilSoriani Yaccob, Malaysia Dr.Hideyuki Nakashima, Japan
Recent Trends in Atherosclerosis and 25th Annual Conference of The Indian Society for Atherosclerosis Research (ISARCON-2012).	DBT, ICMR	Dr.Kailash Prasad, Canada Dr.NaranjanS.Dhalla, Canada Dr.LuciaMigliore, Pisa, Italy
Phytochemicals in Health and Disease: Challenge and Future Opportunities (ICPHD-2013)	INSA, ICMR and CSIR.	Dr.AmaniS.Awaad, Saudi Arabia Prof. Salam Azhar, USA
'International Conference on Bioactive Phytochemicals and Therapeutics' (ICBPT-2013)	INSA, ICMR and CSIR	Lindsay Brown, Queensland, Australia NaliniVadivelu, Yale University, USA

### 31. Code of ethics for research followed by the departments -

- The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices (GRP).
- All researchers are aware and comply with the ethical and legal requirements relating to human participants, animals, disclosures of personal information, biological material transfer and testing, and biodiversity protection before undertaking research. All researchers follow the standard procedures for conducting research laid down by relevant scientific and professional bodies.
- All research involving use of data and material relating to human subjects as well as laboratory animals are approved by the Ethical Committees constituted by the University. No research is undertaken until all of the required approvals and authorisations are given from the appropriate ethical committees.
- The Institutional Animal Ethics Committee (IAEC) examines proposals for the conduct of animal studies follows the rules for Good Laboratory Practice established by the Committee for the Purpose of Control and Supervision on Experiments on Animals (CPCSEA) under the guidance of an authorized veterinarian.
- The Institutional Human Ethics Committee (IHEC) scrutinizes the use of human volunteers and clinical samples for research. Sampling of human tissues and biological fluids confirm to the *Ethical guidelines for biomedical research on human participants* (2006), issued by the Indian Council of Medical Research, New Delhi.
- The research students pursuing their M.Phil and Ph.D. programmes do a course work on Research methodology, in which they are taught all the ethical issues detailed above. In addition, research students also attend a Research Methodology Workshop where they are trained in research ethics including ethical guidelines for writing theses and research papers.

### 32. Student profile programme-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. Biochemistry 2 y (2011-12)	37	04	12	25	33
M.Sc. Biotechnology 2 y (2011-12)	47	30	06	30	17
M.Sc. Biotechnology (5 y Integrated) 2008-13	103	24	13	09	38
M.Phil. Biochemistry (2012-13)	18	01	05	100	100
M.Phil.. Biotechnology (2012-13)	18	05	04		
Ph.D. Biochemistry (2010)	31				
Ph.D. Biotechnology (2010)	30				

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. Biochemistry [CBCS]	-	97.7	2.3	-
M.Sc. Biotechnology [CBCS]	-	41.7	33.3	25
M.Sc. Biotechnology [Integrated]	-	90.4	6.6	3
M.Phil.	68.2	27.3	4.5	-
Ph.D.	35.4	60.8	3.8	-

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SLET, GATE and other competitive examinations? Give details category-wise. - NET: 2, SLET : 1, GATE: 5**

### 35. Student progression

Student progression		Percentage against enrolled
UG to PG		-
PG to M.Phil.		55%
PG to Ph.D.		50%
Ph.D. to Post-Doctoral		80%
Employed	<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	5%
Entrepreneurs		5%

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	76%
from other universities within the State	24%
from universities from other States	-
from universities outside the country	-

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: - Number of faculty awarded Ph.D.: 16**

### 38. Present details of departmental infrastructural facilities with regard to

- a) Library
- |                             |      |
|-----------------------------|------|
| 1. No. of Books in Library- | 1860 |
| 2. International Journals - | 12   |
| 3. National Journals -      | 13   |

b) Internet facilities for staff and students: Yes

c) Total number of class rooms: 7

d) Class rooms with ICT facility: 1

e) Students' laboratories : 1. Instruments labs - 4

f) Research laboratories: 1. PG Labs - 7  
2. Research Labs- 15

**39. List of doctoral, post-doctoral students and Research Associates:****a) from the host university**

Name of the Candidate	Year of Award	Name of the Candidate	Year of Award	Name of the Candidate	Year of Award
T. Manivasagam	2007	A. Ram Sudheer	2009	A.S. Sivakumar	2012
M.SriBalasubashini	2007	K.Panjamurthy	2009	A. Justin Thenmozhi	2012
S.Senthil	2007	S. Balakrishnan	2009	V. Vinoth Kumar	2012
G.Saravanan		N. Devipriya	2010	K.Karthikesan	2012
P. Rajasekar	2007	K.Kaviarasan	2010	S. Silvan	2012
R.S.Vijayakumar	2007	S. Subash	2010	R. Harini	2012
M. Mohamed Essa	2007	S. Lakshmi Devi	2010	G.Suguna Devi	2012
M. Padmanabhan	2007	S.Muthukumaran	2010	P. Prahalathan	2012
V.Balasubramaniam	2007	S.Aranganathan	2010	M.Saravanakumar	2012
K.Suresh	2007	P.VidjayaLetchoumy	2010	P.Selvaraj	2012
K.V. P.Chandra Mohan	2007	G. Vinothini	2011	B.Venkata Reddy	2013
K. Kavitha	2007	P.Kalaiarasi	2011	G.Kanimozhi	2013
N. Kamalakkannan	2007	E.Balamurugan	2011	T.Radhiga	2013
M. AmarnathSatheesh	2008	S. Kannappan	2011	G.Sivagami.	2013
P. Murugavel	2008	P. Manikandan	2011	B. Deepa	2013
G.Chandramohan	2008	V.R. Punithavathi	2011	N. Baskaran	2013
S. Kaviarasan	2008	K. SenthilKumaran	2011	D. Palanimuthu	2013
R.Kumaraguruparan	2008	R. SenthilMurugan	2011	K. Mohankumar	2013
N. Senthil	2008	S. Sivabalan	2011	K.Rajalingam	2013
M. Rajadurai	2008	R. Sivaperumal	2011	R.VidyaPriyadarsini	2013
P. Murugan	2008	T. Jeyanthi	2011	S.Karthikeyan	2013
N.Saravanan	2008	J.Jayachitra	2011	S. Suman	2014
R. Saravanan	2008	P. Pugalendhi	2011	S.Kumar	2014
T. Mahesh	2008	K.B.Kalpana	2011		
P.T. Devika	2009	G.Pushpavalli	2012		

**b) from other universities**

Name of the Candidate	Year of Award	Name of the Candidate	Year of Award	Name of the Candidate	Year of Award
Pavanapamu	2007	J.Victorantony Santiago	2011	A. Anandhan	2012
B.Raja	2008	M. Shenbagam	2012	L.Vennila	2012
B.Annida	2008	N.Rajarajaswari	2012	D. Arul	2013
M.Sridevi	2008	K.Amutha	2012	S.Sasikala	2013
P. Suresh Varma	2009	G. Sindhu	2012	R. Anandan	2013
B. Harikrishnan	2009	S. Ramachadran	2012	P. Karthikeyan	2013
M. Srinivasan	2009	R. Kowsalya	2012	K. Karthishwaran	2013
G. Harish Kumar	2010	N. Vijayakumar	2012	A. Sundaresan	2013
J.Pannerselvam	2010	C. Sankarnarayanan	2012	T.Senthilkumar	2013
N. Palanisamy	2010	S. Srinivasan	2012	K.Tamilselvan	2013
N.Sangeetha	2011	A.MD. Jalaludeen	2012	D.Karthik	2013
C.Veeramani	2011	Naziya Begum	2012	V.Karthikkumar	2014
C. Jaya	2011	K. Shagirtha	2012	A.Sarumathi	2014

**40. Number of post graduate students getting financial assistance from the university. - Nil**

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

M.Sc. Biotechnology 2-years CBCS Programme was started in 2009 after obtaining information on the number of Biotechnology graduates produced annually across the state.

**42. Does the department obtain feedback from**

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? YES

Based on the feedback the syllabus is updated/modified. More effective pedagogical and evaluation methodologies are evolved to improve the teaching-learning process including problem solving, batch learning, group and independent assignments, and microseminars.

b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. Student evaluation of teachers is done at the end of the semester. If there are any issues, the concerned teachers are advised to improve their teaching skills. Students' feedback on the curriculum is taken into account while updating the syllabus in the Board of Studies. Remedial classes are organized for students who express the need for extra coaching.

c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

Alumini regularly visit the department as examiners, members of Boards of Studies, and as Resource Persons for conferences and workshops. Their feedback on the curriculum, teaching-learning and evaluation is sought and implemented.

**43. List the distinguished alumni of the department (maximum 10)**

Name of the Alumnus	Designation with work location
Dr. K. Suresh	Vice-President, Biological-E, Hyderabad
Dr. Eswar Shankar	Scientist, Comprehensive Cancer Center, Case Western Reserve University, USA
Dr. S. Arivazhagan	Senior Research Associate, DNA Way, San Francisco, USA.
Dr. S. Balasenthil	Tutor, M.D. Anderson Cancer Center, Houston, Texas, USA
Dr. S. Shreeram	Senior Scientist II Strategic Strategic Research & Discovery Abbott Nutrition R&D Asia-Pacific. Singapore.
Dr. K. Balamurugan	Associate Professor, Department of Biotechnology, Alagappa University.
Dr. R. Saravanan	Assistant Professor, University of Hail, Saudi Arabia.
Dr. B. Ramesh	Asst. Professor, Mekelle University, Ethiopia
Dr. S. Senthil	Associate Professor, University of North Dakota Grand Forks
Dr. D. Krishnamurthi	Sr. Biochemist, National Health Services, London

**44. Give details of student enrichment programmes (special lectures /workshops /seminar) involving external experts.**

S.No	Name	Address	Topic
<b>2007-2008</b>			
1.	Dr.Subbiah Pugazhendi	University of Colorado, Denver, USA	Induction of antioxidant enzymes by the novel transcription factor Nrf2 Molecular mechanisms of $\beta$ -cell apoptosis
2.	Dr.C.Rajamanickam	Director, Osho Biotech Research Institute, Anna Nagar, Madurai	Transgenesis Computational drug designing
3.	Dr. R.P.Sudhakaran	University of Kerala, Trivandrum	Translational Biology Therapeutic Angiogenesis
4.	Dr.Rosalind Marita	Nicholas Piramil India Ltd., Mumbai	Discovery of GLP-1 as a diabetes treatment Origin of Dyslipidemia

S.No	Name	Address	Topic
5.	Dr.Padma Shastry	National Centre for Cell Science, Pune	Apoptosis in health and disease-An overview Flowcytometry-Principle and applications
6.	Dr.Anjali Karande	Indian Institute of Science, Bangalore	Immunoglobulin gene organization and theory of antibody diversity Mechanism of graft vs host reactions: mechanism of fetal tolerance
7.	Dr.R.Manjunath	Indian Institute of Science, Bangalore	Major histocompatibility complex, the immunological self signature molecules The importance of T cells in health and disease
<b>2008-2009</b>			
1.	Dr.K.P.Moham Kumar	Indian Inst. of Science Education and Research, College of Engg., Trivandrum, Kerala.	Use of stem cells in neurodegenerative disease Mitochondrial genes: Are they involved in neurodegenerative disease Pathophysiology?
2.	Dr.Medicharala Venkata Jagannadham	Centre for Cellular & Molecular Biology, Hyderabad	Identification of markers and developing diagnostic kits for cancer using proteomics The relation between proteomics and Bioinformatics.
3.	Dr.K.Madhavan Nair	National Inst. of Nutrition, Hyderabad	Iron and zinc cross-talk at the site of absorption: Impacts in intervention programmes Biofortification: Present status and future prospects
4.	Dr.A.R.Phani	Nano Research for Advanced Materials Technologies, Karnataka	Biological applications of Nanotechnology
<b>2009-2010</b>			
1.	Dr.A.Jayakumar	M.D. Anderson Cancer Centre, USA	Research in the Biomedical Sciences
2.	Dr. A.JagannadhaRao	Indian Institute of Science, Bangalore	Secretory Leucocyte protease inhibitor and its role during cellular differentiation
3.	Dr.K.Akilender Naidu	Central Food Technology Research Institute, Mysore	Omega -3 fats in human health and disease
4.	Dr.N.Sakthivel	Pondicherry University.	Isolation and characterization of bioactive metabolite from soil bacterium
<b>2010-2011</b>			
1	Dr. D. Velmurugan	Dept. of Crystallography and Biophysics, Madras University	Crystallography
2.	Dr. Murali Vallipurathan	Development and Planning Unit, Ministry of Health Care, Sri Lanka	Atherosclerosis
<b>2011-2012</b>			
1.	Dr. S. Natarajan	Senior Advisor R&D, Sami Labs, Bangalore	Activities of Sami Labs
2.	Dr. Undurti N. Das	President and Founder of UND Life Sciences, Ohio, USA; Jawaharlal Nehru Technological University, Kakinada, A.P	Type 2 diabetes as a disorder of the brain
3.	Dr. M.A. Akbar Sha	Mahatma Gandhi-Doerenkamp Center for Alternatives to Use of Animals in Life Science Education, Bharathidasan University, Trichy	Advanced technologies in in vitro toxicology
<b>2013-2014</b>			
1.	Dr. K.Balamurugan, Dr. K.Sabitha, V.Sivakumar, N.Krishnamoorthy, and N.Medhavi	Alumni (1992 Batch)	Practical demo of C. elegans Microarray analysis in Cancer Entrepreneurship

S.No	Name	Address	Topic
2.	Dr. Gursharn Singh Randhawa	Prof. of Biotechnology, IIT-Roorkee	GUAR-The Green Gold
3.	Dr. Subbiah Pugazhenth	University of Colorado, USA	GLP-1-Based Drugs in the Treatment of Diabetes
4.	Dr. SandhyaSitaswad	National Centre for Cell Science, Pune	Investigation of mitochondrial dysfunction, oxidative damage and apoptotic cell death stress mecha-nism in diabetic cardiomyopathy
5.	Dr. S.K. Mishra	Division of Pharmacology and Toxicology, Indian Veterinary Research Institute, Uttar Pradesh	TRPV4 Channels and Vascular endothelium
6.	Dr.P. Rathinasamy	Amgen, Canada.	Antibody Therapeutics
7.	Padma Shri Prof. M.R.S. Rao	JNCASR, Bangalore.	Genes, Genomes and Human Biology.

**45. List the teaching methods adopted by the faculty for different programmes.**

The teaching methods include lectures, group discussions, seminars, quiz, OHP, blackboard, demonstration, tutorials power-point presentation, and industrial visit.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

The department conducts internal examinations / Seminars/Assignments to monitor the learning potential of students.

**47. Highlight the participation of students and faculty in extension activities.**

Dr. S. Nagini Professor delivered a lecture on Cancer Awareness in Rotary Club, Chidambaram in Aug. 2012.

Dr.B.Raja, Organized Free Camp for Diabetes and Blood Pressure On the occasion of World Diabetes Day on 14.11.2011, Venue: Travelers Bungalow, Bhuvanagiri, Date: 14.11.2011, Time: 8.00 AM -2.00 PM.

Dr. N. Rajendra Prasad, Organized World Diabetes Day Celebration “Screening rural population for Diabetes and Hypertension” Bhuvaanagiri, Cuddalore District; 14<sup>th</sup> November 2011.

Dr. R. Subashini conducted a medical camp - “World Diabetes Day Awareness Camp” on 14<sup>th</sup> November, 2012 at Bhuvanagiri & Keerapalayam villages to screen Blood Sugar, Blood Pressure, and BMI collaboration with Division of Biochemistry - RMMC & H. Students are motivated to join NSS and YRC.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

The department regularly conducts national and international workshops and conferences. In addition, a Research Colloquium is regularly organized in which research scholars deliver seminars on the latest developments in the field. Eminent scholars from within the University and from other institutions in India and overseas deliver lectures periodically under the aegis of the Biochemical Society. Every year a M.Sc. Students’ Symposium/Panel Discussion on a topic of current interest is organized under the auspices of the Society of Biological Chemists [India], Annamalainagar Branch. Competitions for best paper and poster presentations are held annually.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. - No**

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

The Department is actively engaged in generating new knowledge pertaining to the molecular mechanisms of chronic diseases such as cancer, diabetes, hypertension and neurodegenerative disorders that is published in peer reviewed international journals.

Phytochemical characterization and identification of bioactive substances from natural sources.

## 51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.



### Strengths:

- Funding from National and International agencies.
- Commendable track record of publications.
- Well equipped labs.
- Active research collaboration with national and international research institutions.
- Facile progression of Ph.D. students to postdoctoral positions abroad

### Opportunities:

- Interdisciplinary research with departments of Chemistry, Physics, Zoology, Botany, Marine Sciences, Pharmacy, Pharmacology, and Microbiology both within and outside the University.
- Involvement of industry in curriculum development and training for faculty and students.
- Consultancy and technical services for industries and institutions.
- Preclinical trials.
- Extension activities such as organizing awareness programmes on cancer, diabetes, and cardiovascular diseases.

### Weaknesses:

- Rural set up
- Low patent applications
- Students clearing NET/GATE
- Lack of industrial collaboration and in-plant training.
- Inadequate smart class rooms

### Challenges:

- Teaching students who are first-generation literates and with prior education in regional language medium.
- Enrolments for M.Sc. Programmes.
- Academy-Industry interaction
- Placements
- Drug discovery and development.

## 52. Future plans of the department.

- Starting PG Diploma in Biotechnology Management in collaboration with the Department of Business Administration.
- Gene expression pattern and analysis of signaling pathways in cancer, diabetes and cardiovascular diseases, neurodegenerative diseases, hepatotoxicity and stress.
- Protein-Protein interactions in the pathogenesis of age-related diseases.
- Activity-guided fractionation of phytochemical characterizations and investigations of medicinal properties.
- Sensitization of multidrug resistant cancer cells to radiation and chemotherapeutic drugs by dietary phytochemicals.
- Study on circadian patterns in health and disease condition.
- Screening rural populations for diabetes, hypertension and awareness program on cancer and anemia. Extension of scientific knowledge to the society
- Bioinformatics approach to drug design.

## CENTRE OF ADVANCED STUDIES IN MARINE BIOLOGY

**1. Name of the Department :-** CAS in Marine Biology

**2. Year of establishment:-** 1957

**3. Is the Department part of a School/Faculty of the university?**

Faculty of the University (since 2010).

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

M.Sc. Marine Biology & Oceanography (2 Year CBCS)

M.Sc. Marine Biotechnology (2 Year CBCS)

M.Sc. Ocean Science & Technology (Five Year Integrated)

M.Phil. Marine Biotechnology

M.Phil. Ocean Science & Technology

Ph.D. Marine Biology & Oceanography

Ph.D. Coastal Aquaculture

Ph.D. Marine Biotechnology

Ph.D. Marine Microbiology

Ph.D. Marine Food Technology

Ph.D. Ocean Science & Technology

**5. Interdisciplinary courses and departments involved**

Name of the Programme	Name of the Course offered	Department involved
M.Sc. Marine Biology & Oceanography and M.Sc. Marine Biotechnology	1. Computer Applications - I	Computer Science & Engineering
	2. Computer Applications - II	
M.Sc. Ocean Science & Tech. (5 Yr. Integrated)	Environmental Audit	Economics
	1. Mathematics	Mathematics
	2. Mathematics for Oceanography	
	BioPhysics	Physics
	Biochemistry	Biochemistry & Biotechnology
	BioStatistics	Statistics
	Fundamentals in Earth sciences	Earth Sciences
	1. Computer Applications - I	Computer Science & Engineering
2. Computer Applications - II		
	3. Computer Applications - III	
	Fluid Mechanics	Civil Engineering
	Project planning Analysis & Management	Business Administration

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.-** Nil

**7. Details of programmes / courses discontinued, if any, with reasons -** Nil.

**8. Annual/ Semester/Choice Based Credit System -** Semester with Choice Based Credit System

**9. Participation of the department in the courses offered by other departments**

CAS in Marine Biology is involved in teaching specialized papers offered by the other departments on request. The details of the course and the host department are given below:

Name of the Programme	Name of the Course	Host Department
M.Sc. Zoology	Aquarium Keeping	Zoology
M.Sc. Biotechnology (5 year Integrated)	Marine Biotechnology	Biochemistry & Biotechnology



### 10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned *	Actual **
Professor	05	07
Associate Professors	09	06
Asst. Professors	06	44

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

### 11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. K.Kathiresan,	M.Sc., Ph.D., D.Sc.,	Dean & Director	Mangrove biotechnology	29	8
Dr. M.Natarajan,	M.Sc., Ph.D.,	Professor of Physics	Physical Oceanography	15	-
Dr. N.Veerappan,	M.Sc., Ph.D.,	Professor	Fish parasites	21	2
Dr. M.Srinivasan	M.Sc., Ph.D.,	Professor	Fisheries Science	21	4
Dr. A.Shanmugam,	M.Sc., Ph.D.,	Professor	Malacology	18	5
Dr. R.Venkatachalapathy,	M.Sc., Ph.D.,	Associate Professor of Physics	Spectroscopy	19	-
Dr. P.S.Lyla,	M.Sc., Ph.D.,	Associate Professor	Biodiversity of Crustaceans	18	7
Dr. P.Sampathkumar,	M.Sc., Ph.D.,	Associate Professor	Plankton studies	15	9
Dr. P.Anantharaman,	M.Sc., Ph.D.,	Associate Professor	Marine Botany	15	8
Dr.M.Kalaiselvam,	M.Sc., Ph.D.,	Associate Professor	Marine Microbiology	14	3
Dr.S.Jayalakshmi,	M.Sc., Ph.D.,	Associate Professor	Marine Microbiology	14	7
Dr.P.Soundarapandian,	M.Sc., Ph.D.,	Associate Professor	Coastal Aquaculture	14	6
Dr.S.T.Somasundaram,	M.Sc., Ph.D.,	Associate Professor	Molecular Biology	13	3
Dr.S.Ravichandran	M.Sc., Ph.D.,	Asst Professor of Zoology	Biodiversity of crabs	13	3
Dr.G.Ananthan	M.Sc., Ph.D.,	Assistant Professor	Heavy metal Pollution	12	4
Dr.K.Sivakumar	M.Sc., Ph.D.,	Assistant Professor	Halophiles	12	7
Dr.T.Ramanathan	M.Sc., Ph.D.,	Assistant Professor	Coastal Ethanobotany	12	7
Dr.S.Bragadeeswaran	M.Sc., Ph.D.,	Assistant Professor	Biotoxin	11	4
Dr.V.Ravi	M.Sc., Ph.D.,	Assistant Professor	Coastal fisheries	11	3

Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr.P.Mayavu	M.Sc., Ph.D.,	Assistant Professor	Coastal Aquaculture	11	3
Dr.G. Sankar	M.Sc., Ph.D.,	Assistant Professor	Shrimp culture	11	1
Dr.K.Ramamoorthy	M.Sc., Ph.D.,	Assistant Professor	Marine Ecology	11	-
Dr.S.M.Raffi	M.Sc., Ph.D.,	Assistant Professor	Crustacean biology	11	1
Dr.V.Ashokprabu	M.Sc., Ph.D.,	Assistant Professor	Plankton ecology	11	2
Dr. P Murugesan	M.Sc., Ph.D.,	Assistant Professor	Aquaculture technology	11	2
Dr. A. Chezhan	M.Sc., Ph.D.,	Assistant Professor	Pollution Eco-toxicology	10	-
Dr. A.Saravanakumar	M.Sc., Ph.D.,	Assistant Professor	Coastal biodiversity survey	10	4
Dr. B.Deivasigamani	M.Sc., Ph.D.,	Assistant Professor	Fish Immunology	9	3
Dr. R.Balasubramanian	M.Sc., Ph.D.,	Assistant Professor	Biology of ornamental fishes	8	-
Dr. T.Thangaradjou	M.Sc., Ph.D.,	Assistant Professor	Remote sensing	8	4
Dr. A.R.Nazar	M.Sc., Ph.D.,	Assistant Professor	Crustacean Biology	8	--
Dr. D.Annadurai	M.Sc., Ph.D.,	Assistant Professor	Malacology	8	--
Dr. E.Natarajan	M.Sc., Ph.D.,	Assistant Professor	Fishery Biology	8	1
Dr. N. Kumaresan	M.Sc., M.Phil, Ph.D.	Asst. Professor of Mathematics	Gamma Regular Ring	8	--
Mr.K.Mohan	M.E.,	Assistant Professor	Renewable Energy	8	--
Dr. M.Arumugam	M.Sc., Ph.D.,	Assistant Professor	Drug Development	10	3
Dr. K.Raja	M.Sc., Ph.D.,	Assistant Professor	Marine Ornamental fishery	10	--
Dr. T. Ramesh	M.Sc., Ph.D.,	Assistant Professor	Marine Microbiology	9	--
Dr. R.Rajasekaran	M.Sc., Ph.D.,	Assistant Professor	Marine Biodiversity	9	4
Dr. P.Vijayanand	M.Sc., Ph.D.,	Assistant Professor	Marine ornamental fish biology	9	--
Dr. S.Sudhakar	M.Sc., M.Phil, Ph.D.,	Assistant Professor	Physical Oceanography	9	--
Dr. A.Sundaramanickam	M.Sc., Ph.D.,	Assistant Professor	Fishery biology	9	--

Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. A.Gopalakrishnan	M.Sc., Ph.D.,	Assistant Professor	Aquaculture pathology	7	1
Dr. S.Saravanan	M.Sc., Ph.D.,	Assistant Professor	Aquaculture	7	--
Dr. M.Thangaraj	M.Sc., Ph.D.,	Assistant Professor	Marine Biotechnology	7	--
Dr.R.Kumaran	M.F.Sc.,	Assistant Professor	Fisheries Science	7	--
Dr.R.Lakshmanan	M.Sc., Ph.D.,	Assistant Professor	Aquaculture	7	--
Dr.S.Vairamani	M.Sc., Ph.D.,	Asst Professor of Education	Marine Invertebrates	7	--
Dr.Vasuki Subramanian	M.Sc., Ph.D.,	Assistant Professor	Marine algae	7	--
Dr. B.Gunalan	M.Sc., M.Phil., Ph.D.,	Assistant Professor	Aquaculture	6	--
Dr.S.Kumaresan	M.Sc., Ph.D.,	Assistant Professor	Marine Pollution studies	6	--
Dr.S.Arularasan	M.Sc., Ph.D.,	Assistant Professor	Malacology	6	--
Dr.P.Sureshkumar	M.Sc., Ph.D.,	Asst. Professor of Env. Sciences	Environmental Biotechnology	6	--
Dr. H.Ann Suji	M.Sc., Ph.D.,	Asst. Professor of Microbiology	Microbiology	5	--
Dr.M.A.Badhul Haq	M.Sc., Ph.D.,	Assistant Professor	Marine Virology	5	--
Dr.K.Sakkaravarthi	M.Sc., M.Phil., Ph.D.	Assistant Professor	Organic Aquaculture	5	--
Mr.K.Ramkumar	M.Sc., M.Phil.,	Programmer	Image processing		--
Dr.S.Murugan	M.Sc., Ph.D.,	Assistant Professor	Taxonomy of Marine Fishes	4	--

## 12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors

Dr. T.J.Pandian, Former National Professor, Madurai Kamaraj University

## 13. Percentage of classes taken by temporary faculty – programme-wise information - Nil

## 14. Programme-wise Student Teacher Ratio

M.Sc. - 2 : 1 – M.Phil. - 1 : 1 – Ph.D. - 4 : 1

## 15. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Actual
Technical Staff	39
Administrative Staff	77

## 16. Research thrust areas recognized by funding agencies

Continuous Coastal Pollution Monitoring;	INCOIS;
Drugs from the Sea;	Gelatinous Zooplankton;
Cephalopod resource assessment;	Harmful Algal Blooms.

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Total number of funded research projects - 115

Total grants received - Rs. 3295.75/-

Name of Project	Principal Investigator/ Co-investigators	Funding Agency	Period	Rupees (in lakhs)
Coastal Pollution Monitoring Programme	Dr. T. Balasubramanian Co-ordinator	MoES	2007 - 2012	233.00
Marine Ecotoxicology studies on Planktonic organisms for deriving sea water quality criteria	Dr. T. Balasubramanian Co-ordinator Dr. P. Sampathkumar Dr.P. Anantharaman Co-investigators	Ministry of Earth Sciences	2007- 2012	86.37
Assessment of Fishery Resources along the Indian continental slope and central Indian Ocean	Dr. A. Shanmugam Principal Investigator	MoES	2007- 2012	25.00
Cephalopod resources assessment, biology and value-added products of selected species along the Indian seas under "Assessment of fishery resources along the Indian continental slope and central Indian Ocean	Dr. A. Shanmugam Principal Investigator	CMLRE MoES	2007 - 2012	32.00
Marine Benthos of the Indian EEZ (South east coast of India)	Dr. S. Ajmalkhan Principal Investigator	MoES	2007- 2012	43.00
Survey and assessment of Gelatinous zooplankton in the Indian EEZ	Dr. P. Sampathkumar Principal Investigator Dr.G. Ananthan Co-Investigator	MoES	2007- 2012	25.72
Monitoring and surveillance of Harmful Algal Bloom (HAB) In the Indian EEZ.	Dr. T. Balasubramanian Co-ordinator Dr. P. Anantharaman Principal Investigator Dr. P. Sampathkumar Co-Investigator	MoES CMLRE	2007- 2017	130.00
Development of technologies for hatchery production of marine gastropods and ornamental fishes at Lakshwadeep and Gulf of Mannar Islands	Dr. T. Balasubramanian Co-ordinator Dr. T. T. Ajithkumar Principal Investigator	MoES	2007- 2012	93.40
Studies on ecology and diversity of actinomycetes of the coral reef environment of the Gulf of Mannar Biosphere Reserve	Dr. K. Sivakumar Principal Investigator Dr.T. Thangaradjou Co-Investigator	MoES,	2008- 2011	11.94
Isolation of microbial pathogens from marine ornamental fishes and possible cure using mangrove herbals	Dr. T. Balasubramanian Co-ordinator Dr.T.T. Ajith Kumar Principal Investigator	UGC,	2008- 2011	7.91
Inventorization and Technology development of induced nest spawning, larval rearing and mudflat ranching for conserving the vulnerable (VU) fish species, the mudskipper, <i>Boleophthalmus boddarti</i> (Pallas)	Dr. T. Balasubramanian Co-ordinator Dr. V. Ravi Principal Investigator	UGC	2008 - 2011	7.97

Name of Project	Principal Investigator/ Co-investigators	Funding Agency	Period	Rupees (in lakhs)
InNoVacc: Indo-Norway platform for developing candidate vaccine to invertebrate, piscine and avian species	Dr.S.T. Somasundaram Principal Investigator	DBT	2008-2012	37.15
Impact of bottom trawling on Infaunal communities of inshore Waters off Cuddalore	Dr. T. Balasubramanian Co-ordinator Dr. P. Murugesan Principal Investigator	MOEn&F	2008 - 2011	38.69
Technology Development for the sustainable utilization of trashfish resources: a tool for conserving marine biodiversity	Dr. S.M. Raffi Principal Investigator	DBT	2008-2011	28.08
Infestation of Isopod Parasites in Marine fishes	Dr. S. Ravichandran Principal Investigator	DST	2008-2011	13.33
Isolation of antimicrobial compounds from seahorses	Dr.S.Ravichandran Principal Investigator	MoEs	2008-2011	17.00
Studies on Diversity and Ecology of Ascidians of the Gulf of Mannar, southeast coast of India.	Dr. G. Ananthan Principal Investigator	MoES	2008-2011	15.09
Biodiversity of free-living nematodes from shallow marine and coastal environments of India	Dr. Olivia J. Fernando Principal Investigator	MoES	2008-2011	14.83
An Investigation on Dopamine from Puffer Fishes (Family: Tetraodontidae) along the Parangipettai Coast	Dr. M. Arumugam Principal Investigator	MOES	2008-2011	17.00
Potential drugs from selected marine invertebrates and plants from Indian waters	Dr. A. Shanmugam Principal Investigator	MoES (Collaboration with CIFE,Mumbai)	2008-2012	188.00
Post Tsunami assessment of marine polychaete (Annelida) diversity of Great Nicobar Island	Dr. R. Rajasekaran Principal Investigator	MoEn & F	2009-2012	20.82
Evaluation of Antimicrobial and Antioxidant molecular leads from Seaweeds	Dr.T. Balasubramanian Coordinator Dr.P. Anantharaman Principal Investigator	UGC	2009-2012	6.90
Germplasm conservation and establishment of Gene bank of traditionally useful Coastal Medical plant - Ipomoea pescaparae (Linn)	Dr. T. Balasubramanian Co-ordinator Dr. T. Ramanathan Principal Investigator	MoES,	2009 - 2012	15.28
Peptide toxin of therapeutic value from toxoglossan mollusks collected from Indian coasts	Dr. Olivia J. Fernando Principal Investigator	DBT	2009-2012	14.00
Evaluation of polyphenols and polysaccharides from phaeophytes against oxidative stress and cancer progression for drug development	Dr.S.T.Somasundaram Principal Investigator Dr. P. Anantharaman Co-Investigator	DBT,	2009 - 2012	31.16
Production of Biosurfactants from Marine bacteria and their industrial application	Dr. S. Jayalakshmi Principal Investigator	DBT	2009-2012	46.97
Studies on genetically superior mangroves for restoration and carbon sequestration	Dr. T. Balasubramanian Co-ordinator Dr. K. Kathiresan Principal Investigator Dr. K. Sivakumar Co- Investigator	MoES	2009 - 2012	25.98

Name of Project	Principal Investigator/ Co-investigators	Funding Agency	Period	Rupees (in lakhs)
Development of simple hatchery technology for the commercially important portunid crabs of <i>Portunus pelagicus</i> (Linnaeus) and ( <i>P. Sangunolentus</i> (Herbst)	Dr. P. Soundrapandian Principal Investigator	UGC	2009-2012	7.15
Seasonal Variation in the immune organs and immune response of the edible fishes in Parangipettai Coastal area	Dr. B. Deivasigamani Principal Investigator	UGC,	2009-2012	4.74
Validation of OCM-II Geo-Physical products along the North Tamil Nadu Coast, southern Bay of Bengal region	Dr. T. Thangaradjou Principal Investigator	Space Application Centre	2009-2011	32.06
Technology development for the artificial propagation of commercially overexploited mangrove crabs and its stock enhancement in Pitchavaram and Muthupet mangrove ecosystems through sea ranching	Dr. S.M. Raffi Principal Investigator	MoEn & F	2009-2012	21.74
Distribution & Infestation of isopod parasites in Marine fishes of Tamilnadu coastal environment	Dr. S. Ravichandran Principal Investigator	MoEn & F	2009-2012	9.80
Biology and culture of Sea stars from Indian waters	Dr. S. Rajagopal Principal Investigator	MoES,	2010-2011	24.67
Species recovery study on <i>Rhizophora annamalayana</i> Kathir., the only endemic mangroves of India	Dr. K. Kathiresan Principal Investigator	MoEn&F	2010-2013	13.11
Diversity and status of marine invertebrate fishery (Sea anemone, echinoderms and polychaetes) in Gulf of Mannar Biosphere Reserve Region	Dr. T.T. Ajithkumar Principal Investigator	GOMBRT,	2010-2012	6.62
Experimental Micrometeorological observational programme for dispersion studies	Dr. M. Rajendran Principal Investigator	IGCAR	2010-2011	2.12
Investigation on the biology, population dynamics, stock assessment and fishery modeling of Lizard fishes and preparation of value added products (frozen and cured)	Dr. P.S. Lyla Principal Investigator	MoES,	2010 – 2013	14.53
Evaluation, Community participated eco-restoration and awareness creation of the seagrasses ecosystem: A fragile coastal wetland	Dr.T.Thangaradjou Principal Investigator	MOEN & F	2010 – 2013	27.38
Biodiversity of bioeroders of coral reef and role in bioerosion of coral substrates Gulf of Mannar Biosphere Reserve Region	Dr. R. Rajasekaran Principal Investigator	GOMBRT	2010 – 2012	7.63
Molluscan diversity of Ramanathapuram coast of Gulf of Mannar Biosphere Reserve and its current exploitation rate in different fishing practices	Dr. S. Arularasan Principal Investigator	GOMBRT	2010– 2012	7.27
Survey of Immune Organs (Spleen and Head Kidney) in Marine Catfish of Parangipettai in Tamil Nadu	Dr. B. Deivasigamani Principal Investigator	MoES	2010 – 2013	17.21
An inventory of Microbial diversity and ecology of the coastal wetlands of the Neil and Havelock island	Dr. L. Kannan Principal Investigator	MoEn&F	2010 – 2013	31.09

Name of Project	Principal Investigator/ Co-investigators	Funding Agency	Period	Rupees (in lakhs)
Studies on purification and characterization of hyaluronic acid from marine mollusc – East Coast of India	Dr. M. Arumugam Principal Investigator	DBT	2010 – 2013	20.99
Biodiversity of brachyuran crabs in the Mangrove environment of Tamil Nadu	Dr.S.Ravichandran Principal Investigator	UGC	2010-2013	5.56
Prevalence, intensity and effect of nematode (Philometra spp.) parasite on the ovaries of food fishes for Tamil Nadu and Puducherry coasts	Dr. A. Saravanakumar Principal Investigator	UGC	2011-2014	6.92
Studies on fungal diversity in mangrove of Parangipettai waters.	Dr. M. Kalaiselvam Principal Investigator	UGC	2011-2014	7.16
Prevalence, epidemiology and histopathology of Tumour (Odontoma) in the food fishes of East Coast of India	Dr. A. Gopalakrishanan Principal Investigator	UGC	2011-2014	8.51
Bioactive potential of Marine toxin for Biotechnology prospecting of star fish from east coast of India	Dr. S. Bragadeeswaran Principal Investigator	UGC	2011 – 2014	5.71
Feed development and immune status of fish by soluble proteins from feather and shrimp waste through microbial degradation	Dr. B. Deivasigamani Principal Investigator	CSIR	2010 – 2013	10.92
Polycyclic Aromatic Hydrocarbons (PAHs) in Marine benthic polychaetes and edible mollusks from the selected harbours of south east coast of India	Dr. S. Kumaresan Principal Investigator	UGC	2011 – 2014	8.39
Study on Biomedical potentials of Glycosaminoglycans (GAGs) from Cephalopods	Dr. M. Arumugam Principal Investigator	UGC	2011-2014	8.24
Nitrite and ammonia toxicity to fish Cyprinus carpio Var. communis and the amelioration effect of salinity and external calcium	Dr. A. Chezhan Principal Investigator	UGC	2011-2014	4.52
Isolation, fractionation and Identification of an anti diabetic molecule from marine resource: A mangrove plant Rhizophora mucronata	Dr. T. Ramanathan Principal Investigator	UGC	2011-2014	8.61
Phylogenetic relationship & innate immune parameters of edible fish Mugil cephalus	Dr. B. Deivasigamani Principal Investigator	DST – MOST (Indo- Vietnam)	2011 – 2013	4.58
Programme support on identifications, isolation and characterization of stress tolerance genes and Proteins from Halophytes through genomics and proteomics approaches	Dr. T. Balasubramanian Co-ordinator Dr.S.T. Somasundaram Co-Principal Investigator	DBT	2011 – 2013	97.47
Integrated farming systems: effective water usage and augmentation of ground water through coastal farm ponds establishments	Dr. A. Gopalakrishanan Principal Investigator	DST	2011 – 2013	16.31
Assessment of Benthic Biodiversity with special reference to Polychaete taxonomy in Mangroves of East Coast of India	Dr. P. Murugesan Principal Investigator	MoEn & F	2011 – 2014	29.02
Inventorization of Mudskippers (pisces: Gobiidae) in mudflat environment of the mangroves of East Coast of India	Dr. V. Ravi Principal Investigator	MoEn & F	2011 – 2014	19.77

Name of Project	Principal Investigator/ Co-investigators	Funding Agency	Period	Rupees (in lakhs)
Development of feed formulation of enrich the local immunostimulatory effect and growth rate in Mugil cephalus	Dr. B. Deivasigamani Principal Investigator	DST	2012 – 2015	19.62
Biodiversity of Benthic Faunal assemblages along the salinity gradients: patterns in arctic (the White sea) and tropical (Bay of Bengal, India) estuaries	Dr. A. Saravanakumar Principal Investigators	DST	2011 – 2013	12.01
Optical Characterization of Coral Reef Diversity for understanding the impact of Changing Environmental Conditions	Dr. T. Thangaradjou Principal Investigator	Space Application Centre	2011-2012	2.90
Studies and Modeling on occurrence of Bioluminescence off Cuddalore and Parangiepttai coastal waters and its features and causes	Dr. S. Jayalakshmi Principal Investigator	DNRB	2011–2014	98.88
Impact of aquaculture activities on early life cycle of finfishes in Muthupet mangrove ecosystem	Dr.A.Sundaramanickam Principal Investigator	UGC	2011-2014	5.54
Enhancement of nutritive value of Ulva lactuca as a potential food supplement	Dr.Vasuki Subramanian Principal Investigator	UGC	2011–2014	7.16
Sustainable livelihood security through hygienic Dry fish production by tunnel solar drier technology for tsunami hit Nagapattinam dist, fisher women self help groups	Dr. A. Gopalakrishnan, Principal Investigator	DBT	2012 - 2015	23.91
Bioactive Compounds from Flora and fauna of Coramandel Coast	Dr. T. Balasubramanian Principal Investigator Dr. M. Arumugam Co-Principal Investigator	MoES	2008-2012	120.00
Ground – Truth studies on Phytoplankton, Chlorophylls, Primary productivity and Hydrographical parameters along the Pondicherry-Nagapattinam coast	Dr. T. Balasubramanian Co-ordinator & Principal Investigator Dr. P. Sampathkumar Dr. P. Anantharaman Dr.G.Ananthan Dr.T. Ramanathan Dr. A. Saravanakumar Co-Investigators	INCOIS	2007-2012	150.00
Farming systems for livelihood security of small and marginal farmers in disadvantaged districts of Tamil Nadu (Collaborative research project with Faculty of Agriculture)	Consortium Leader Dr. M. Ramanathan Vice-Chancellor Consortium PI Dr.T.Balasubramanian Professor Project Co-ordinator Dr. R.M.Kathiresan Scientists Dr. S. Ajmal Khan Dr. P. Anantharaman Dr. T. Ramanathan Mr.T.M. Vasanthan	ICAR – NAIP	2008–2013	50.00
Backyard hatchery for marine ornamental fish breeding; A alternative livelihood option for rural woman development	Dr. T.Balasubramanian Co-ordinator Dr.T.T. Ajith Kumar Principal Investigator	DST	2008-2012	11.76



Name of Project	Principal Investigator/ Co-investigators	Funding Agency	Period	Rupees (in lakhs)
Restoration and rehabilitation of tsunami affected coastal eco-system through alternate livelihood involving agriculture, animal husbandry and fisheries.	Dr.T. Balasubramanian Principal Investigator Dr.A.Éswaran Dr.P. Anantharaman Co-Principal Investigators	DBT	2009- 2011	23.20
Assessment of Coastal and Marine Biodiversity in and around Kudankulam in Tamil Nadu	Dr.T.Balasubramanian Co-ordinator Dr. M. Srinivasan Principal Investigator Dr. S. Ajmal Khan Dr. P.S. Lyla Dr. P. Sampath Kumar Dr.S. Saravanan Dr. S. Murugan Co-investigators	Dept. of Atomic Energy, Mumbai	2009- 2012	42.00
Potential fishing zone validation and forecasting in the Cuddalore and Nagapattinam Districts of Tamilnadu	Dr. A. Saravanakumar Principal Investigator	INCOIS MoES	2009- 2012	17.90
Setting up of demonstration hatchery and broodstock bank for the supply of marine ornamental fish brooders and juveniles	Dr. T.T. Ajithkumar Principal Investigator	National Fisheries DevBoardMinistry of Agri	2010- 2012	82.10
The seasonal changes of immune organs in Vellar estuary catfish of Cuddalore in Tamil Nadu	Dr. T. Balasubramanian Co-ordinator Dr. B. Deivasigamani Principal Investigator	UGC	2009 - 2011	0.70
Taxonomy and capacity Building on Mollusca	Dr. S. Rajagopal Principal Investigator	MOEF	2009- 2012	4.27
Studies on spatial and temporal distribution of nitrates and its impact on primary production and biogeochemical cycling	Dr. T. Balasubramanian Co-ordinator Dr. T. Thangaradjou Dr. A. Saravanakumar Dr. Olivia J. Fernando Co-investigators	Space Application Centre,	2009- 2012	58.00
Impact of Climate Change on Indian Corals	Dr.T.Thangaradjou Principal Investigator	NAPCC NRSC	2010- 2013	2.65
Benthic productivity studies in Bay of Bengal (upto 2000m depth) - southeast coastal of India	Dr. T. Balasubramanian Co-ordinator Dr. P.S. Lyla Principal Investigator	MoES, CMLRE	2012 - 2017	79.00
Assesment of Marine Biodiversity on seleted transects along the northern Tamil Nadu and Andhra Coast	Dr. T. Balasubramanian Co-ordinator S. Kumaresan Principal Investigator	MoES, CMLRE	2012 - 2017	69.40
Cephalopod resource assessment, biology and value-added products of selected species along the Indian EEZ under "Mapping of demersal fishery resources between 200 to 1200 m depth zones of Indian EEZ"	Dr. A. Shanmugam Principal Investigator  Dr.A.Saravanakumar Co-Investigator	MoES, CMLRE	2012 - 2017	70.00
Selective breeding of marine ornamentals and invertebrates	Dr. T. Balasubramanian Co-ordinator Dr. M. Arumugam Principal Investigator	CMLRE, MoES	2012 - 2017	290.00

Name of Project	Principal Investigator/ Co-investigators	Funding Agency	Period	Rupees (in lakhs)
Isolation, identification and screening of Potential probiotic bacteria from saltpan environments (South East coast of India)	Dr. P. Mayavu Principal Investigator	UGC	2012 - 2015	9.33
Biodiversity Assessment and Economic Evaluation of Fishery Resources in Uppanar Estuary	Dr. S. Murugan Principal Investigator	UGC	2012 - 2015	11.11
Molecular Taxonomy of marine Viral Genome Associated with Penaeid Shrimp	Dr. M.A. Badhul Haq Principal Investigator	UGC	2012 - 2015	8.89
Growth Enhancement and Immune Stimulation in Marine Ornamental Fishes, Amphiprion percula and A. ocellaris: A Biotechnological approach	Dr. M. Thangaraj Principal Investigator	UGC	2012 - 2015	8.82
Documentation and Conservation of Traditional Marine Bio-medicines of Tamilnadu	Dr. K. Ramamoorthy Principal Investigator	UGC	2012 - 2015	8.86
Hatchery Technology and Eco-friendly farming of weaving mussel, Modiolus matcalfei (Hanley, 1843) for socio-economic development of coastal communities	Dr. S. Arularasan Principal Investigator	UGC	2012 - 2015	8.77
Assessment of Polychaete taxonoly in the estuaries of Tamilnadu using taxonomic sufficiency (TS) as a tool	Dr. P. Murugesan Principal Investigator	UGC	2012 - 2015	12.7
Ecology of Coastal sand dunes & Restoration of degraded dune flora from Cuddalore (Southeast coast of India)	Dr. M. Srinivasan Principal Investigator	UGC	2012 - 2015	9.73
Phylogenetic relationship & innata immune parameters of edible fish Mugil cephalus	Dr. B. Deivasigamani Principal Investigator	DST		4.58
Barcoding of Marine viral genome associated with shell and fin fishes in Coastal ecosystem of Gulf of Mannar Marine Biosphere Reserve, Southeast Coast of India	Dr. M.A. Badhul Haq Principal Investigator	DST		20.5
Sex Differentiation in fish, Part 2 Endocrine Sex Differentiation, Part 3 Environmental Sex Differentiation	Dr. T.J. Pandian (Visiting Professor) Principal Investigator	SERB MoS&T	2012 - 2014	9.66
Diversity of shell proteins from molluscs along Parangipettai coast (East coast of India) - Collaborative project with All India Institute of Medicals Sciences, New Delhi	Dr. A. Shanmugam Principal Investigator Dr.A.Srinivasan (AIIMS, New Delhi) Dr.S.Vairamani Co-Investigators	MoEn& F	2012- 2015	34.35
Flux of carbon dioxide governed by bio physical process in the island ecosystem of the Lakshadweep: a perspective study on regional climate change	Dr. S. Kumaresan Principal Investigator	MOES	2012 - 2015	64.79
Collection of data on pollution related parameters at Chennai to Tuticorin coast (COMAPS)	Dr. A. Sundaramanickam Principal Investigator Dr. P. Murugesan Dr. S. Kumaresan Co-Principal Investigators	MoES ICMAM,	2012 - 2017	211.00

Name of Project	Principal Investigator/ Co-investigators	Funding Agency	Period	Rupees (in lakhs)
Monitoring of Polycyclic Aromatic Hydrocarbons (PAHs) at selected locations	Dr. S. Kumaresan Principal Investigator	MoES, ICMAM	2012 - 2017	142.10
Hatchery for experimental fishes and supply of fish fingerlings (Ecotoxicology)	Dr. T. Balasubramanian Principal Investigator Dr. S. Arularasan Co-Principal Investigator	MoES, ICMAM	2012 - 2017	116.35
Inventorying and Barcoding of crab of Mangrove ecosystems (Pitchavaram and Coringa)	Dr. S. Ajmalkhan (Retd) Principal Investigator Dr. P.S. Lyla Co-Investigator	MOES-CMLRE,	2012 - 2017	47.80
Modeling photosynthetic yield response of Mangrove flora to climatic factors	Dr. T. Thangaradjou Principal Investigator	Space Application Centre,	2012 - 2014	8.97
Carbon dynamics (pCO <sub>2</sub> ) in near shore waters of South West bay of Bengal - Northern India Ocean Region	Dr. T. Thangaradjou Principal Investigator	NRSC, ISRO	2012 - 2015	54.39
Assessment of Plankton Diversity for Enhancement of fishery production and Antifouling through nanoparticles Production using Marine Diatoms	Dr. V. Ashok Prabu Principal Investigator	DST -	2012 - 2015	14.83
Mangrove associated Cyanobacteria from Great Nicobar Islands: Isolation, identification and anti-inflammatory compounds	Dr. G. Silambarasan Principal Investigator	DST	2012 - 2015	20.85
New Production Modeling Studies in the Bay of Bengal water	Dr. T. Thangaradjou Principal Investigator Dr. A. Saravanakumar Co-Investigator	Space Application Centre, ISRO,	2013 - 2018	64.30
Influence of in-situ bio-optical properties in determining the phytoplankton community structure and their role in ocean colour algorithms along the southeast Coast of India and its applications to fisheries	Dr. A. Saravanakumar Principal Investigator Dr. T. Thangaradjou Co-Investigator	MoES, INCOIS,	2013 - 2017	67.28
Molecular identification and DNA barcoding of fish larvae in Vellar estuary (RGYI)	Dr. M. Thangaraj Principal Investigator	DBT	2013 - 2016	15.36
Determination of specific absorption coefficient for the dominant micro algal species of east coast of India - a step towards developing community based chlorophyll and accessory pigments algorithm	Dr. T. Thangaradjou Principal Investigator Dr. P. Anantharaman Co-investigator	Space Application Centre, ISRO,	2013 - 2018	41.30
Studies on prevalence and pathogenesis of Loose Shell Syndrome (LSS) disease in <i>Penaeus monodon</i> and <i>Litopenaeus vannamei</i> farms of Andhra Pradesh and Tamilnadu	Dr. A. Gopalakrishnan Principal Investigator	DST	2014 - 2016	34.22
Assessment of the Zooplankton community structure and secondary productivity in the Chennai and Portonovo, Northern coast of Tamil Nadu	Dr. A. Saravanakumar Principal Investigator Dr. T. Thangaradjou Co-Investigator	Dept. of Space Application	2013 - 2016	21.00
Studies on Diversity and Ecology of sedentary Ascidians of the Great Nicobar Biosphere Reserve	Dr. G. Ananthan Principal Investigator	MOEN &F	2013 - 2016	36.66

Name of Project	Principal Investigator/ Co-investigators	Funding Agency	Period	Rupees (in lakhs)
Evaluation of antimicrobial peptides and their structural elucidations on selected ascidians in the Palk Bay Region, southeast coast of India	Dr. G. Ananthan Principal Investigator	UGC	2013 - 2016	11.78
Diversity and taxonomy of Helminth parasites of commercially important Clupeoid and Perciform fishes of Parangipettai Coast	Dr. N. Veerappan Principal Investigator	UGC	2013 - 2016	12.30
Bioprospecting of marine anaerobic microbes for bioethanol production	Dr. S. Jayalakshmi Principal Investigator	UGC	2013 - 2016	11.25
Seasonal variations on the phytochemistry and anti biofouling activity of the coastal population of <i>Calotropis gigantea</i> (L.).R.Br.	Dr. P. Sureshkumar Principal Investigator	UGC	2013 - 2016	3.55
Species recovery studies on globally threatened mangrove species in India	Dr. K.Kathiresan Principal Investigator	MOE&F	2013 - 2016	28.58
Living resources of the Gulf of Mannar: Assessment of key species and habitats for enhancing awareness and for conservation policy formulations	Dr. T. Thangaradjou Principal Investigator	IUCN-Mangrove for future	2014 (upto Sep-14)	8.05
<b>Total</b>				<b>3295.75</b>

## 18. Inter-institutional collaborative projects and grants received

### a) All India collaboration

#### All India Institute of Medical Sciences, New Delhi

Government of India, Ministry of Environment & Forests, New Delhi has sanctioned Research project entitled, "Diversity of Shell Proteins from Mollusks along Parangipettai coast (East Coast of India)" a grant of Rs. 34,35,970 (for Annamalai University Rs. 19,02,203/- + for AIIMS Rs. 15,33,740) for the period of three years from 2011-12 - 2013-14.

#### CIFE, Mumbai

Government of India, Ministry of Earth Sciences, New Delhi has sanctioned Research project entitled, "Potential drugs from selected marine invertebrates and plants from Indian waters" a grant of Rs. 1,88,00,000

### b) International

Government of India, Department of Biotechnology, New Delhi has sanctioned Most Indo - Vietnam joint Research project entitled, "Phylogenetic relationship & innate immune parameters of edible fish *Mugil cephalus*" a grant of Rs. 4,58,000 for the period of two years 2011-12 to 2012 - 13.

## 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received Rupees in Lakhs = 2100.50

Funding Agency	Amount (in lakhs)
CPEPA	384.00
PURSE	1500.00
MHRD	100.00
UGC SAP	96.50
UGC SAP Strengthening of Infrastructure	20.00
<b>Total</b>	<b>2100.50</b>

## 20. Research facility / centre with

- State recognition
- National recognition Nil
- international recognition

## 21. Special research laboratories sponsored by / created by industry or corporate bodies

University Grants Commission	: Seawater Circulation laboratory
Ministry of Earth Sciences	: COMAPS Lab
National Fisheries Development Board	: Breeding and rearing culture lab
Department of Biotechnology	: Biotechnology lab

## 22. Publications:

- Number of papers published in peer reviewed journals (national / international) - 998 (Annexure - I)
- Monographs - 2
- Chapters in Books - 3
- Edited Books - 15 (Proceedings)
- Books with ISBN with details of publishers - 2
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index - range / average - 2.69
- SNIP - 0-2.018
- SJR - 0-1.235
- Impact Factor - range / average - 1.076
- h-index - 0-30

## 23. Details of patents and income generated :- Nil

## 24. Areas of consultancy and income generated

Name of the project	Name of the funding Agency	Grants Received (Rs.)
Assessment of coastal and Marine Biodiversity in and around Kudankulam in Tamilnadu	BRNS, Mumbai	29,98,750
Socio-economic Study and Community Development Plan	Sindya Power Corporation Ltd., Chennai	4,05,000
Environmental Monitoring at Palk Strait & Palk Bay (Adams Brdige)	Dredging Corporation of India	3,00,00,000
Biodiversity status of path finder inlet and adjacent areas and evaluations of ecological impacts of proposed evolutions of marine terminal of essar at Vadinal, Gujarat	VOTL VDTL, Gujarat	10,00,000
Turtle survey made at Orissa coast	Indomer Coastal Hydraulics Ltd.	2,00,000
maximum allowable concentration of ammeonical Nitrogen and total nitrogen to the marine environment	Pioneer jellice Indian Private Ltd.	1,20,000
Measurement of wave tide and current characteristics of the proposed ship building yard in Cuddalore District Tamilnadu	M/s. Good Earthship Building, Chennai	10,00,000/
<b>Total</b>		<b>3,57,23,750</b>

## 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad

### International

- Dr. A. Saravanakumar, Penza State Pedagogical University, Penza, Russia
- Dr. T. Thangaradjou, Penza State Pedagogical University, Penza, Russia
- Dr. M. Arumugam, Faculty of Natural Sciences, Leibniz University, Hannover, Germany.
- Dr. K. Kathiresan, Mombasa, Kenya
- Dr. B. Deivasigamani, Vietnam

### National

- Dr. A. Shanmugam, AIIMS, New Delhi
- Dr. S. Ravichandran, NIO, Goa
- Dr. B. Deivasigamani & Dr. S. Ravichandran, IISc, Bangalore

## 26. Faculty serving in - a) National committees b) International committees c) Editorial Boards d) any other (please specify)

### Prof. K. Kathiresan, Professor

- National Biodiversity Authority, Government of India
- National Consultant to prepare National Strategy Action Plan for IUCN – Mangrove for the future programme
- Vice President – Mangrove Society of India, NIO, Goa
- Executive member, National Institute of Ecology, New Delhi
- Member, Editorial Board, Research Journal of Biological Sciences.
- Member – State Board for Wildlife, Environment and Forest Department, Chennai
- Chairperson – Board of Studies for the B.Sc., Marine Biology at the Alagappa University, Karaikudi
- Non-Official expert member for the Technical expert committee for the proposed National Biodiversity Museum to be set up in Hyderabad in order to guide the preparation and evaluation of the DPR (Detailed Project Report) by the Ministry of Environment & Forests, New Delhi.

### Prof. T. Balasubramanian, Professor (Retd.,)

- Member - Editorial Board, Indian Journal of Geo Marine Sciences, CSIR

### Dr. S. Ajmal Khan, Professor (Retd.) ,

- Member - Editorial board of Journal of Ecological Research and Bioconservation, Coral Reef Monitoring Action Plan Development Committee in Global Coral Reef Monitoring Network of Inter Governmental Oceanographic Communities (IOC) under UNESCO

### Dr. N. Veerappan, Professor

- Member - Editorial Board, Advance Research in Biological Sciences (ARBS)

### Dr. A. Shanmugam, Professor

- Member, Management Board, Ocean Atmospheric Science & Technology Cell, Government of India, Ministry of Earth Sciences, New Delhi, “Marine Ecology”, Berhampur University, Berhampur, Orissa.
- Member, Task force Committee in the 11<sup>th</sup> plan MLR-project on ‘Stock assessment’, Centre for Marine Living Resources & Ecology, Kochi.
- Editorial Board and Review Committee Member - Journal of Fisheries and Aquatic Sciences, Academic Journals Inc., New York, USA.

- Technical Editor, International Journal of Pharmacology, Science Alert since April 2008.
- Technical Editor, Journal of Fisheries and Aquatic Science, Science Alert since April 2008.
- Associate Editor, Research Journal of Toxins, Science Alert since April 2008.
- Member of the Editorial Board of International Journal of Pure and Applied Zoology.
- Member, Academic Council for the St. Xavier's College (Autonomous), Palayamkottai

#### **Dr. T. Ramanathan, Assistant Professor**

- Advisory Board Member – International Journal of Current Research
- Editorial Board Member – International Journal of Current Research
- Member Board of Studies of other Universities and Colleges - 3

### **27. Faculty recharging strategies**

Faculty is encouraged to participate in refresher courses, orientation courses, summer schools, winter schools, workshops, trainings etc.

### **28. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects - 40% of students have done in-house projects
- percentage of students doing projects in collaboration with other universities / industry / institute - 60% of students have done in collaboration with other Universities

### **29. Awards / recognitions received at the national and international level by**

#### **Faculty**

Sl. No.	Name of Faculty	Awards / Recognitions received	Year
1	Dr. K. Kathiresan, Professor	Life time achievement Award given by Indian Association of Applied Microbiology, Chennai	2007 -08
2	Dr. A. Shanmugam, Professor	INSA Fellowship	2007-08
3	Dr. T. Ramanathan, Assistant Professor	Young Scientist Award with Cash Award from the Hon'ble Health Minister of India for outstanding contribution in the field of Marine Medicinal plants at International level	2007-08
4	Dr. S. Ravichandran	INSA Fellowship	2008-09
5	Dr. T.T.Ajithkumar, Assistant Professors	INSA Fellowship	2008-09
6	Dr. T. Ramanathan Assistant Professor	DAAD Fellowship from Germany	2009 – 10
7	Dr.T.Govindan, Assistant Professor	DAAD Fellowship from Germany	2009-10
8	Dr. K. Kathiresan, Professor	UGC-BSR One time Grant Award	2010-11
9	Dr. P. Murugesan, Assistant Professor	SCOR (Scientific Committee on Oceanic Research) Award for Participation in the World conference on Marine Biodiversity , Institute of Research and Innovation, University of Aberdeen - Scotland	2010-11
10	Dr.T. Thangaradjou Assistant Professor	DAAD Fellowship	2010-11
11	Dr. M. Arumugam, Assistant Professor	DAAD Fellowship	2010-11

#### **Doctoral / post doctoral fellows**

Dr.N.Sitharanga Boopathy – Kothari, UGC

Dr.Kavitha – UGC Women Scientist

Dr.Raveendra Singh	- Kothari, UGC
Dr.K.Syed Mustafa	- Kothari, UGC
Dr.P.Iyapparaj	- Kothari, UGC
Dr. Hassan Mohd. Adam	- DBT, TWAD Fellowship
Dr.V.Sasikala	- UGC Women Scientist

#### Students - 7 INSPIRE, DST Fellowship

Mr.Sunil Kumar Sahu;	Ms. P. Sujit;	Ms.N.Jeyaprabha
Ms.Jeyalakshmi;	Ms. Ubasana Ghosh;	Mr. Samnath Charkraborty;
Mr.K.Gunasekaran		

### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Title of the Programme	Funding Agency	Period
International Training Course on Biodiversity in Mangrove Ecosystems	UNU - INWEH - UNESCO	12 - 26th November, 2007
Academic training to Junior Ed College students, Philadelphia, USA	FERAL, Pondicherry and CAS in Marine Biology, Annamalai University	24 - 26th January 2008
National Science Day - 2008 Understand the Earth Planet	Ministry of Science & Technology, DBT	28th February, 2008
Training workshop on isolation and identification of Marine Actinobacteria	UGC - SAP	4 - 6th March, 2008
Workshop on PCR techniques for DNA amplification and disease diagnosis	UGC, New Delhi	14 - 15th March, 2008
Earth Day Celebration	MoEn & F, New Delhi	22nd April, 2008
International Coastal Cleanup Day	Annamalai University	20th September 2008
Advanced training programme on Application of Remote Sensing and GIS tools for Coastal and Ocean Resource Mapping, monitoring and Management	DST	10th to 30th September 2008
International Training Course on Coastal Biodiversity in Mangrove ecosystems	UNU-INWEH-UNESCO	3-17th November 2008
International Conference on Natural products in Health and 21st Annual Conference of Indian Society for Atherosclerosis Research	Jointly organised by Dept. of Biochemistry & Biotechnology and CAS in Marine Biology, Annamalai University, Parangipettai	8th -10th December 2008
Training on Marine ornamental fish culture (Breeding, Rearing & Marketing)	National Fisheries Development Board	15th -17th December 2008
Academic programme of UG students of Junior Ed. College, Philadelphia, USA in India	CAS in Marine Biology, Annamalai University	January 2009
National workshop on Research Methods for the study of marine benthos	CAS in Marine Biology, Annamalai University	26-28 February 2009
National Science Day - 2009 (Expanding Horizon of Science)	Ministry of Science & Technology, Dept. of Biotechnology, Govt. of India	28th February 2009
Workshop on Barcoding of Marine life	CAS in Marine Biology, Annamalai University	30th & 31st March 2009
Earth Day Celebration	MoEn & F, New Delhi	22nd April, 2009
Summer Training Programme on Bioprocess Technology (Enzyme Technology)	CAS in Marine Biology, Annamalai University	25th - 29th May 2009
International Workshop on challenges in Biotechnology and food technology (ICBF - 2009)	(Jointly organized by Dept. of Chemical Engineering & C.A.S. in Marine Biology	8th October 2009
Workshop on Design and analysis of Experiments (Response surface methodology)	CAS in Marine Biology, Annamalai University	9th October 2009



<b>Title of the Programme</b>	<b>Funding Agency</b>	<b>Period</b>
International Training Course on Coastal Biodiversity in Mangrove ecosystems	UNU-INWEH-UNESCO	2-16th November 2009
National Science Day - 2010 (Gender equity for Prosperity with Peace)	Dept. of Biotechnology Govt. of India	24th February 2010
National Symposium on Climate change and Marine Biodiversity	UGC	26th February 2010
National training programme on Enzyme Technology	CAS in Marine Biology, Annamalai University	25-29th March 2010
Training on steps in First-Aid and distribution of First Aid kit to Fisheries of Parangipettai	Sethu Institute of Technology, Virudhunagar	1st April 2010,
Workshop on Marine Fish Bioacous --tics and Marine Bioluminescence	DRDO-NRB	25 & 26th May 2010
INSPIRE Programme for School Students	Dept. of Science and Technology	2nd July 2010,
Conference on "Aquatic Microbiology (Status, challenges and opportunities)"	CAS in Marine Biology, Annamalai University	2nd - 4th September 2010
National Symposium on "Marine Plants"	CAS in Marine Biology, & Seaweed Research and Utilization Association, Mandapam	23rd - 25th September 2010
International training course on Coastal Biodiversity in Mangrove ecosystems	UNU-INWEH-UNESCO	1 - 15th October 2010,
Four trainings on Marine ornamental fish culture (Culture, Breeding & Marketing) to the fisher folk, entrepreneurs and fisheries officials of the Country	National Fisheries Development Board	17th - 21st August, 19th - 23rd October, 25th - 29th October and 22nd - 26th November, 2010,
Conference on Natural Products and Biomedical Technology	(Jointly organized by Dept. of Biochemistry & Biotech -nology & C.A.S. in Marine Biology	10th to 12th January 2011
Symposium on Cardiovascular Disease Prevention	Faculty of Medicine and Faculty of Marine Sciences, Annamalai University, Annamalai Nagar	21st & 22nd February 2011
National Science Day 2011, Chemistry in our lives	DBT	28th February 2011
Conference on Aquatic Biotoxins - 2011	CAS in Marine Biology,	14th to 16th Sep 2011
Workshop on Marine corrosion and surface engineering	Jointly organized by CAS in Marine Biology, and Department of Civil & Structural Engg. A.U. in collaboration with National Corrosion council of India, Karaikudi	24 to 26th November 2011
Workshop on marine Fish Immunology & Immunotechnology	DBT	1st to 8th December 2011
Technology Dissemination workshop on Seagrasses and Seagrass mapping using Indian Remote Sensing Satellite Sensors (Seagrass - 2012)	NNRMS & MoEn & F,	13th - 18th February 2012
National Science Day 2012, Clean Energy options and Nuclear Safety"	DBT	28th February 2012
National Conference on Marine fish and Shell fish immunology and immunotechnology	DST	30th & 31st March 2012
International Training Course on "Mangrove Biodiversity and Ecosystems"	UNU-INWEH-UNESCO	27.11.2012 - 11.10.2012
National Science Day 2013, Genetically modified crops and food security	DBT	28th February 2013s
Training and Demonstration in Seaweed Farming	NFDB, Hyderabad	25.09.2013, 06.01.2014 to 10.01.2014, 20.01.2014 to 24.01.2014
Training and Demonstration in Seaweed Farming	NFDB, Hydrabad	27.01.2014 to 31.01.2014
Training and Demonstration in Seaweed Farming	NFDB, Hydrabad	04.02.2014 to 08.02.2014

Title of the Programme	Funding Agency	Period
Training and Demonstration in Seaweed Farming	NFDB, Hyderabad	10.02.2014 to 14.02.2014
National workshop on Advanced techniques in fish immunology and immunotechnology	DBT -sponsored	05 - 09.09.2013
International Training Course on "Mangrove Biodiversity and Ecosystems"	UNU-INWEH-UNESCO	23.09.13 to 07.10.2013

### 31. Code of ethics for research followed by the departments

The Centre is taking up research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices (GRP).

All research scholars follow the standard protocols in all their research studies approved by not only the scientists internationally but also relevant scientific and professional bodies.

The research scholars are taking up animal studies after proper approval of the Ethical Committees constituted by our University as well as the departments concerned. No research is undertaken until all of the required approval and authorisation are obtained from the appropriate ethical committees.

### 32. Student profile course-wise:

Name of the Course	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. Marine Biology & Oceanography	14	6	3	100	100
M.Sc. Marine Biotechnology	8	3	2	100	100
M.Sc. Ocean Science & Technology	25	9	5	100	100
M.Phil.	-	-	-	-	-
Ph.D.	71	21	12	100	100

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. Marine Biology & Oceanography	-	44	56	-
M.Sc. Marine Biotechnology	-	20	80	-
M.Sc. Ocean Science & Technology	-	100	-	-
M.Phil.	-	-	-	-
Ph.D.	27	61	12	-

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.** NET - 9; GATE - 12

### 35. Student progression

Student Progression	Percentage against enrolled
PG to M.Phil.	20
PG to Ph.D.	30
Ph.D. to Post-Doctoral	5
Employed	
• Campus selection	30
• Other than campus recruitment	50
Entrepreneurs	10

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	87.5
from other universities within the State	11
from universities from other States	1.5
from universities outside the country	

### 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period

Ph.D - 11 Nos.

### 38. Present details of infrastructural facilities with regard to

- a) Library: - total area of the library (in sq. mts.) - 6940 sq.ft      \*1.sq.ft. = 0.093 sq.mt.
- b) Internet facilities for staff and students - 120 Nos.
- c) Total number of class rooms - 7 Nos.
- d) Class rooms with ICT facility - 4 Nos.
- e) Students' laboratories - 2 Nos.
- f) Research laboratories 6 Nos.

### 39. List of doctoral, post-doctoral students and Research Associates

#### a) from the host university: - List of Doctoral Students

Name	Year	Name	Year	Name	Year
Naveen Namboodiri	2007	N. S. Swarnakumar	2011	Pushparajan, N	2012
Rajkumar, M	2007	N. Vengatesh Perumal	2011	S.P.Divya	2013
S. Ramesh	2007	R. Saravanan	2011	Balaji, K	2013
K. Raja	2007	Sourav Kundu	2011	Balakrishnan, S	2013
R. Thavasi	2007	R. Lakshmanan	2011	Sankar, R	2013
R. Karthikeyan	2007	Dola Bhattacharjee	2011	Dhayanithi, N.B.	2013
R. Premalatha	2007	K. Kamalakannan	2011	Karthikai Devi, G	2013
P. Vijayanand	2007	K.M. Alagappan	2011	Sakkaravarthi, K	2013
R. Venkatesan	2007	A. Barwinvino	2011	Veeramani, T	2013
S. Karthigayan	2008	S. Gnanam	2011	Arivuselvan, N	2013
P.J.Antony	2008	R. Krishna Prakash	2011	Mohamed Hussain, S	2013
K. Maheshkumar	2008	G.Rajaram	2011	Lakshmi Narayanan, R	2013
Nunnam John Samuel	2008	L. Ramkumar	2011	Raja, S	2013
S. Sambasivam	2008	M. Sudhakar	2011	Umamaheswari, G	2013
Surajit Das	2008	K. Suganthi	2011	Dhaneesh, K.V.	2013
N. Sithrangaboopathy	2008	R.K.Rajesh Kumar	2012	Swagat Ghosh	2013
Maloy Kumar Sahu	2009	D.R.Karthikeyan	2012	Ganesh, K	2013
G. Kanagaraj	2009	G. Rameshkumar	2012	Indira, K	2013
Dhanya Sethunarayanan	2009	P. Raja	2012	Ezhilarasan, P	2013
P. Vijayabaskar	2009	S. Meenakshi	2012	Kannathan, A	2013
I Seethalakshmi	2009	B. Gunalan	2012	Suriya, J	2013
S. Murugan	2009	A. Arockiamary	2012	Ramesh, S	2013
S. Manivannan	2009	S. Sudhakar	2012	Elavarasi, A	2013
Eldose P. Mani	2009	P. Damotharan	2012	Shanmuga Priya, R	2013
G. Thiruneelakandan	2009	N. Annamalai	2012	Ravikumar, B	2013
R. Periyannayagi	2009	M.V.Rajeswari	2012	A. Dhinakaran	2013
M. Karuppaiyan	2009	C. Santhosh Kumar	2012	Bandana Das	2013
K. Thillai Rajasekar	2009	R. Anburaj	2012	J. Manokaran	2013
P. Jeya Prakash	2009	V. Gomathi	2012	S. Priyatharsini	2013
S. Arularasan	2010	P. Senthil Raja	2012	A. Babu	2013
V. Sasikala	2010	B. Sheelaa	2012	J. Rajesh Singh	2013
G.K.Dinakaran	2010	K. Manivannan	2012	K. Sivasubramani	2013
E. Natarajan	2010	P. Karthikeyan	2012	M. Chandrasekar	2013
S. Kavitha	2010	A. Babu	2012	S. Kumaran	2013

Name	Year	Name	Year	Name	Year
M. Murugan	2010	G.Vijayabaskara Sethubathi	2012	K. Satyavani	2013
Nityananda Mondal	2010	B. Thilagavathi	2012	M. Gopi	2013
Subramanyam Nambaru V.R.M.	2010	S. Manokaran	2012	C. Prasanna Kumar	2013
C. Palpandi	2010	R.S.Robin	2012	K.G.Mohamed Thameemul Ansari	2013
S. Velmurugan	2010	T. Anand	2012	Sekar, V	2013
M.A. Nabeel	2010	D. Varadharajan	2012	Vijayakumar, P	2013
T. Ramesh	2010	K. Kesavan	2012	Aarthi, C	2014
M.M.Karthikeyan	2010	G. Silambarasan	2012	Sakthivel, M	2014
P. Manivasagan	2010	K. Jayalakshmi	2012	Suresh, T.V.	2014
J. Selvam	2011	Elayaraja, S	2012		

#### List of Post-doctoral students and Research Associates

Dr. E. Karthikeyan; Dr. A. Murugan; Dr. N. Sithrangaboopathy;  
Dr. S. Kavitha; Dr. R. Saravanan; Dr. V. Sasikala

#### b) from other universities: - List of Doctoral Students

Name	Year	Name	Year	Name	Year
J. Benjamin Franklin	2008	R. Arumugam	2011	M. Sivagama Sundari	2012
R. Muthazhilan	2008	R. Vennila	2012	Zahid Nazeer Mohammed	2012
G. Thirumaran	2009	R. Vinoth	2012	V. Venkatesan	2012
K. Samidurai	2010	R. Anbuhezhan	2012	Kumaran, R	2013
T. Anbalagan	2010	C. Thenmozhi	2012	Ramasamy, P	2013
E. Rajamanickam	2010	S. Sophia Rani	2012	Anushia, C	2013
J. Rajkumar	2010	V. Karupiah	2012	Saravanakumar, K	2013
Rajakumari	2010	Vasanthabharathi	2012	Prabu, K	2013
E. Nobi	2010	S. Ashokkumar	2012	Senthilkumar, V	2013
R. Ragupathi Rajakannan	2011	D. Inbakandan		K. Prabhu	2013
J. Rajasekar	2011	K. Devanathan	2012	A.R.Logesh	2013
R. Saravanan	2011	E. Dilipan	2012	Kumaravel, K	2013
S. Rylo Sona Janarthine	2011				

#### ii) List of Post-doctoral students and Research Associates

Dr. C. Ravinder Singh; Dr. Hassan Mohd. Adam; Dr. P. Iyyapparaj; Dr. K. Syed Mustafa

**40. Number of post graduate students getting financial assistance from the university? - Nil**

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. - Nil**

**42. Does the department obtain feedback from**

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The Faculty members are requested to give their inputs for the revision and up-gradation of syllabus periodically and the same are included suitably in the curriculum in consultation with the Members of Board of Studies.

b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

At the end of every semester, the feedback from students on the programme(s) and the contents of syllabus and also on the teachers are obtained and their feedback is taken into consideration for overall improvement of curriculum suitably.

c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

Periodically the course content is sent for critical evaluation to eminent academicians and scientists and their suggestions are well-taken for the updation.

**43. List the distinguished alumni of the department (maximum 10)**

Name	Organisation
Dr. R. Thavasi	Post Doctoral Research Fellow, Dept. of Chemical and Biological Sciences, Polytechnic Institute of New York University, 6, Metrotech Center, Brooklyn, NY 11201 USA
Dr.S.Karthikeyan	Post Doctoral Fellow, Department of Urology, School of Medicine, University of Texas Health Science Centre, 7703, Floyd curl Drive, San Antonio, Texas - 78229, USA
Dr. P.Jeyaprakash	Research Scientist, Environmental Management and Policy Research Institute, Tore Sanipakaya, Forest Campus, Vinayaka Nagar, J.P. Nagar, V Phase, Bangalore - 78
Dr. Maloy Kumar Sahu	Assistant Director of Fisheries, Govt. of West Bengal, O/o. The Deputy Director of Fisheries, Central Zone, Berhampore - 742 101,
Dr. S.Dhanya Sethunayanan	Assistant Professor, Sri Narayana College, SN Puram, Cherthala - 688 582, Alapuzha District, Kerala State
Dr. L.Ramkumar	Scientist, Subhashree Industries(P) Ltd, Namakkal - Dt
Dr. J.Benjamin Franklin	Projects Scientist I, Marine Biotechnology, National Institute of Ocean Technology, Andaman Nicobar,
Dr. Dola Bhattacharjee	Research Assistant( Environment), Ministry of Environment & Forests, Govt. of India, Eastern Zone Regional Office, A/3, Chandrasekharapur, Bhubaneswar , Orissa - 751 023
Dr. Surajit Das	Assistant Professor, National Institute of Technology, Rourkela, Orissa,
Dr.C.Palpandi	Technical Officer, MoEn & F, NBD, Chennai,

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

The student enrichment programmes are organised by Marine Academy and Research Consortium (MARC) of our faculty by inviting distinguished external experts besides our own senior faculty members.

**Endowment Lectures**

Prof. R.V. Seshaiya Endowment Lecture - Dr. T.J. Pandian, Professor (Emeritus)

**Special Lectures**

- Dr. N. Munuswamy, Professor, Dept. of Zoology, Madras University, Chennai
- Dr. R. Babu Rajendiran, Associate Professor, Dept. of Environmental Biotechnology, Bharathidasan University, Trichy
- Dr. A.K. Kumaraguru, Professor & Head, Dept. of Coastal Area Studies, Madurai Kamaraj University, Madurai
- Dr. A. Srinivasan, Professor, Dept. of Biophysics, All Indian Institute of Medical Sciences, New Delhi
- Dr. E. Vivekanandan, Principal Scientist, CMFRI Institute, Kochi
- Dr. A.R. Thirunavukkarasu, Principal Scientist & Head, CIBA, Chennai
- Dr. M. Ramanathan, Director of Research & Extension (Fisheries), Tamilnadu Veterinary and Animal Sciences University, Tuticorin

**45. List the teaching methods adopted by the faculty for different programmes.**

LCD, OHP, CHARTS, CD

**46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

The department conducts internal examinations / seminars / assignments for the students apart from group discussions among the students and with the eminent researchers and academicians

**47. Highlight the participation of students and faculty in extension activities.**

- Women Self Help Group – Seafood preparation, seaweed culture
- Marine Ornamental fish culture – Fishermen community, Self help groups etc.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Every Week special lectures by Eminent Scholars (both National and International) through Marine Academy and Research Consortium (MARC) is arranged in which the day – to –day advancement in science is discussed at length.
- Special Lecture is arranged by inviting Elite personalities to have discussion with the research scholars and faculty members to update

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. - No.**

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

The contributions in terms of research papers, discussions made with the researchers of other Institutions (both at National and International level) fetched collaborative projects to take up research in the fields of polar research, marine drug, marine bio nanotechnology and marine barcoding. This facilitates the exchange of students and faculty between the laboratories to learn state-of-the-art techniques. This enriched knowledge paves the way and lay good foundation for the establishment of newer area of research and it also helps our Centre to expand its wings more and more in the field of marine sciences.

**51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Strengths:**

- Extensive and advanced research facilities on marine sciences
- More number of research projects, research publications and also academic linkages with other Universities in India and abroad.
- Diversity in the field of specialization of the Faculty members
- Collaboration with national and international scientific bodies by the Faculty members
- Free and open access to the various ecosystems such as estuary, mangroves, coastal waters and backwaters to our Centre to take up diversified research
- Instrumentation (both field and analytical) facility

**Weaknesses**

- Attracting students for the courses
- Inbreeding of faculty: Mostly teachers get appointed from same state and institute
- Still more efforts are needed to have collaboration in new field of marine sciences in National and International level
- Poor Communication skill for students
- Location of the University leads to less exposure to the industry

## Opportunities

- Jobs in various areas of marine sciences that includes Pollution Control Board, Environmental Impact Assessment, teaching positions in various Universities and Colleges
- Post Doctoral Research opportunities abroad
- Self Employment
- Starting of Aquaculture industry
- Pursuance of Research in National and International laboratories

## Challenges

- Collaboration with other eminent researchers in newer fields of research
- Trying to visit abroad still more to attend more seminars, symposia, training programmes etc. to seek further collaboration
- Campus recruitment
- Communication skills
- Getting funding for attending the International seminar/ conference / workshops

## 52. Future plans of the department.

- **Deep sea biology**, including research on the canyon off Parangipettai in collaboration with National Institute of Ocean Technology, Chennai, Ministry of Earth Sciences and Ministry of Environment & Forests, New Delhi;
- **Polar research** through the collaborative research projects in Arctic Ocean and Southern ocean by NCAOR, Goa under Ministry of Earth Sciences, Government of India
- **Climate change** including green house gases and sea level rise and their impacts on coastal and marine ecosystems and their biodiversity
- **Economic valuation** of coastal and marine biodiversity and ecosystems
- Marine and coastal ecosystems: dynamic **functions and modeling**
- Establishment of a centre for prediction and management of disasters
- Studies on “**Blue Carbon Sinks**” for carbon sequestration by coastal ecosystems
- Marine Nanobiotechnology
- Augmentation of **sustainable livelihood** among coastal communities and imparting training for implementation by them
- Modernization of marine reference museum
- Promoting **Civil Society Awareness** for conserving coastal and marine Ecosystems through conduct of awareness programmes





Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. students\ guided for the last 4 years
Balasubramanian M	M.A.,M.Phil., Ph.D.	Asst. Professor	Folklore, Grammar, Literature	12	3
Balu S	M.A.,B.ED., M.Phil., Ph.D.,	Asst. Professor	Modern Literature	12	3
Malarvizhi R	M.A.,M.Phil., Ph.D.,	Asst. Professor	Sangam Literature	11	3
Asokan D	M.A.,M.Phil., Ph.D.	Asst. Professor	Epic Literature	11	4
Elayappillai P	M.A.,M.Ed., M.Phil., Ph.D	Asst. Professor	Modern Literature	11	6
Thirugnanasambandam B	M.A.,B.Ed., M.Phil., Ph.D	Asst. Professor	Folklore	11	4
Vijayarani P	M.A.,B.Ed., M.Phil., Ph.D	Asst. Professor	Modern Literature	11	2
Olivanan K	M.A.,M.Phil., Ph.D.	Asst. Professor	Modern Literature	11	3
Ravi K	M.A., M.Phil. Ph.D,	Asst. Professor	Sangam Literature Folklore , Journalism	11	2
Kumar T	M.A.,M.Phil., B.Ed., Ph.D.	Asst. Professor	Sangam Literature Modern Literature	09	4
Mooventhan P S	M.A.,M.Phil., B.Ed., Ph.D.,	Asst. Professor	Sangam Literature Grammar	09	4
Thangaiyan G	M.A.,M.Phil., Ph.D.	Asst. Professor	Sangam Literature Bakthi Literature, Journalism	09	3
Kodiyarasu S	M.A.,M.Phil.,Ph.D	Asst. Professor	Modern Literature	09	-
Sathiya N	M.A.,M.Phil.,	Asst. Professor	Folklore	08	-
Raja J	M.A.,M.Phil., Ph.D.	Asst. Professor	Modern Literature	08	2
Arounassalame A	M.A.,M.Phil., Ph.D.,	Asst. Professor	Modern Literature	08	2
Burgmonds Y	M.A.,M.Phil.,B.Ed..	Asst. Professor	Modern Literature	08	-
Kodithurai P	M.A.,M.Phil., B.Ed.,Ph.D.,	Asst. Professor	Modern Literature Grammar	08	1
Jegadeesan S	M.A.,M.Phil., Ph.D.,	Asst. Professor	Modern Literature	08	1
Rajam T	M.A.,M.Phil., Ph.D,	Asst. Professor	Modern Literature Grammar	08	2
Kalpana S	M.A.,M.Phil., Ph.D.,	Asst. Professor	Modern Literature Sangam Literature	08	1
Devaki M R	M.A.,M.Phil., Ph.D.	Asst. Professor	Modern Literature Sangam Literature	08	1
Chittrarasu K	M.A.,M.Phil.,	Asst. Professor	Modern Literature	08	-
Murugan P	M.A.,M.Phil., Ph.D.,	Asst. Professor	Grammar	08	1
Kolanchi K	M.A.,M.Phil.,	Asst. Professor	Modern Literature	08	-
Thirumeni A	M.A.,M.Phil.,Ph.D	Asst. Professor	Sangam Literature	08	-
Gayathiri K	M.A., Ph.D.,	Asst. Professor	Sangam Literature Bakthi Literature	08	1
Ravikumar D	M.A.,M.Phil., Ph.D.,	Asst. Professor	Sangam Literature	07	2
Thiyagarajan C	M.A.,M.Phil., Ph.D.,	Asst. Professor	Modern Literature	07	1
Karthikeyan S	M.A.,M.Phil.,	Asst. Professor	Sangam Literature	07	-
Bavani G	M.A.,M.Phil., Ph.D.,	Asst. Professor	Modern Literature	07	1
Sangeetha B	M.A.,M.Phil.,Ph.D	Asst. Professor	Modern Literature	07	-
Ganesan A	M.A.,M.Phil., Ph.D.,	Asst. Professor	Modern Literature	07	1
Ananthi K	M.A.,M.Phil., B.ED.,Ph.D.	Asst. Professor	Sangam Literature	07	-
Arumugam C	M.A.,M.Phil., Ph.D.,	Asst. Professor	Bakthi Literature	07	1
Anbuarasan A	M.A.M.Phil., Ph.D.,	Asst. Professor	Modern Literature	07	-
Jothi M	M.A.,Ph.D.,	Asst. Professor	Modern Literature	07	-

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. students\ guided for the last 4 years
Nagarajan T	M.A.,M.Phil.,Ph.D	Asst. Professor	Modern Literature	07	-
Priya S	M.A.,M.Phil., Ph.D.,	Asst. Professor	Folklore	07	-
Sasikala D	M.A.,M.Phil., Ph.D.,	Asst. Professor	Modern Literature	07	-
Thamaraikannan T	M.A.,M.Phil., Ph.D.,	Asst. Professor	Modern Literature	07	1
Vijayakumar S	M.A.,M.Phil., Ph.D.,	Asst. Professor	Sangam Literature	07	-
Muthurajan R	M.A.,M.Phil., Ph.D.,	Asst. Professor	Grammar, Sangam Literature, Folklore,	06	1
Jayamary P	M.A.,M.Phil.,Ph.D	Asst. Professor	Modern Literature	06	-
Hemlin Ida N K	M.A.,M.Phil.,Ph.D	Asst. Professor	Modern Literature	06	-
Kavitha S	M.A.,M.Phil.,	Asst. Professor	Modern Literature	06	-
Ramachandran TS	M.A.,Ph.D.,	Asst. Professor	Sangam Literature	05	-

## 12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors

- Dr S. N. Kandasamy, Director, Central Institute of Classical Language Tamil.
- Dr Porkko, Former Vice-Chancellor, University of Madras.
- Kavingnar Sirpi, Former Prof. & Head, Bharathiyar University.
- K. Nachimuthu, Professor, Jawaharlal Nehru University, New Delhi.
- Dr A.A. Manavalan, Professor, University of Madras.
- Dr. Jayadevan, Former Head of the Dept., University of Madras.
- Dr M. Nannan, Prof. Presidency College, Chennai.
- Dr P. Mathaiyan, Former Professor & Head, Periyar University, Salem.

## 13. Percentage of classes taken by temporary faculty – programme-wise information - Nil

## 14. Programme-wise Student Teacher Ratio – M.A. : 8:1 – M. Phil: 1:1 – Ph.D.: 3:1

## 15. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Actuals
Technical Staff	05
Administrative Staff	05

## 16. Research thrust areas recognized by funding agencies

Classical Literature & Modern Literature

## 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

Name of the Teacher	Title of the Project	Duration	Funding Agency	Amount in Lakhs
Dr.PL.Muthuveerappan Professor & Head, Dean-FIL	The Life Standards and Upliftment of the Downtrodden People as portrayed in Post-Independence Tamil Social Novels	1 year 2010-11	UGC	1.00
Dr.P.S.Moventhan Asst.Professor	Modern Poetry after Vanambadi movement	3-years 2013-16	U.G.C.	7.69
Dr.S.Kalpana Asst.Professor	Sanga Ilakkiya Oor Peyar Aaivukal	3-years 2010-13	U.G.C.	4.38

## 18. Inter-institutional collaborative projects and grants received :

a) National collaboration b) International Collaboration - Nil

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.;** - Total grants received.

**20. Research facility / centre with**

- state recognition
- national recognition
- international recognition

**21. Special research laboratories sponsored by / created by industry or corporate bodies :** - Nil

**22. Publications:** Annexure - I

- Number of papers published in peer reviewed journals - 45 (Annexure - I)
- Monographs
- Chapters in Books
- Edited Books -
- Books with ISBN with details of publishers
  - ❖ Dr.PL.Muthuveerappan, Professor & Head, Dean-FIL
    - Aazhanthathum Arinthathum
    - Bakthi Malarkal
    - Semmozhi Illakkiyach sindhanaikal
    - Navalar Na.Mu.Venkatasamy Nattarin Kappiya Uraithiran
  - ❖ Dr.R.Pari,Professor
    - Kalaignarin Thirukkural Uraithiran
    - Kalaignar Nanaitha Kavithai Mazhai
    - Kanneer Kanneer ] Collection of new poems.
    - Kathal Neram ] Collection of new poems.
  - ❖ Dr.A.Sivaperuman,Professor
    - Adikalasiriyarin Tholkappiya Pathippugal
    - Elakkiyangalil Manitha Urimaigal
    - Thamizharin Palthurai Aatral Valam
    - Sivaprakasam moolamum Uraiyum
  - ❖ Dr.M.Balasubramanian, Asst.Professor
    - Nila Mutram, Magizhnan Pathippagam, Tirunelveli
    - Melanmai Ponnusamy Padaippugalil Veli, Magizhnan Pathippagam, Tirunelveli
  - ❖ Dr.T.Kumar, Asst. Professor
    - Paventharum Thonmangaum, Magizhnan Pathippagam
    - Paventharum Amizhthamum, Magizhnan Pathippagam
    - Kannathasan Patalkalum Thai Ennum Karuththakkamum, Agaram, Thanjavur
  - ❖ Dr A.Arounasallame, Asst. Professor
    - Hikoo Kavithai Varalarum Mithravina Kavithaikalum, Agaram, Thanjavur
    - Hikoo Thotramum Valarchiyum, Magizhnan Pathippagam, Puthuvai
  - ❖ Dr.S.Kalpana, Asst. Professor
    - Purananootril Thamizhar Vazhviyal - ISBN 978 - 81 - 91003-02-4 (Thamizh Mann Pathippagam, Chennai)
    - Thirukkural Parithiyar Uraithiran - ISBN 978 - 81 - 91003-01-7 (Thamizh Mann Pathippagam, Chennai)
    - Thirukkural - Parithiyar Urai - ISBN 978 - 81 - 91003-00-0 (Thamizh Mann Pathippagam, Chennai)

- ❖ Mr.K.Chittrarasu, Asst. Professor
  - Kadaisi Neruppu Kuchi, Nalnilam Pathippagam, Chennai
  - Karuppagazhagi, Nalnilam Pathippagam, Chennai
- ❖ Dr.A.Ganesan, Asst. Professor
  - Sittrilakkiyangalil Jothidam., Ramaiya Pathippagam, Chennai
- ❖ Dr.R.Muthurajan, Asst. Professor
  - Iyyanar Vazhipadu, Nalnilam Pathippagam
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.)
- Citation Index – range / average
- SNIP
- SJR
- Impact Factor – range / average
- h-index

**23. Details of patents and income generated :** Nil

**24. Areas of consultancy and income generated :** Nil

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad :** Nil

**26. Faculty serving in :** a) National committees b) International committees c) Editorial Boards d) any other (please specify)

**27. Faculty recharging strategies:** Nil

**28. Student projects:** Nil

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities / industry / institute

**29. Awards / recognitions received at the national and international level by**

- Faculty - Young Scholar Award
  - Central Institute of Classical Tamil awarded Young Scholar Award to **Dr.R.Pari**, Associate of Professor of Tamil – Awarded by the Central Institute of Classical Tamil in the year 2010.
  - Central Institute of Classical Tamil awarded Young Scholar Award to Dr.S.Kalpna, Asst of Prof. of Tamil – Awarded by the Central Institute of Classical Tamil in the year 2013.
  - Dr.A.Sivaperuman, Professor of Tamil
  - Best Books Award for the year 2012 – Awarded by the India Palkalaikazhaga Thamizhasiriyar Manram.
  - Best Teacher Award-Aasiriyar Semmal’- for the year 2013 (05-09-2013)- Awarded by the Thamizhaga Kalvi Aaraichi Valarchi Niruvanam, Chennai
  - Variyar Virudhu for year 2013 Awarded by Erode Thamizh Sanga Peravai.
- Doctoral / post doctoral fellows - Nil
- Students - During the academic year 2007-2014
  - Two students received UGC Rajiv Gandhi National Fellowship
  - One student received scholarship from Central Institute of Classical Tamil.
  - One II M.A.(Tamil) student received I Prize – State Level Tamil Elocution Competition.

### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

#### Organization of Conferences/Seminars/Workshops/Symposia

Date	Title of the Conference / Seminar /Workshop
23 & 24-02-2007	Inter National Seminar on Vazhviyal Kurukalum Valarnilai Nokkum conducted by the Dept.of Tamil Studies and Research in association with the Kalaignan Pathippgagam
08 & 09-03-2007	National seminar on Thamizhil Oppilakkiya Anukumuraiyum Payanpadum-conducted by te Dept.of Tamil Studies and Research in association with CCSLL
15 & 16-02-2008	Inter National Seminar on Modern Tamil Poetry by the Dept.of Tamil Studies and Research in association with the Kalaignan Pathippgagam
13 & 14-3-20008	Seminar conducted on 'Indiya Panpattirku Thamizhin Pangalippu' Dept.of Tamil Studies and Research and Central Institute of Classical Tamil
31-07-2009	Seminar on 'Thyanam'conducted by the Dept.of Tamil Studies and Research & Dept.of Histroy & Centre for Yoga Studies & Vadalur, Sanmarga Sangam.
25 & 26-02-2009	National seminar on 'Aringnar Anna Padiappugal Panmugaparvai' conducted by the Dept.of Tamil Studies and Research.
17 & 18-03-2010	National seminar on 'Vallalar Padiappugal Panmugaparvai' conducted by the Dept.of Tamil Studies and Research.
16 & 17-03-2011	National seminar on 'U.Ve.Saminathaiyarin Thamizh Panikal' conducted by the Dept.of Tamil Studies and Research..
03 -01-2011 To 12-01-2011	Workshop Training Programme conducted on 'The editions of Sangam Literature and the History of Sangam Studies' by Dept.of Tamil Studies and Research and Central Institute of Classical Tamil
14- To 16-02-2012	Workshop Programme conducted on 'Editions and commentaries of Tolkappiyam through Ages' by Dept.of Tamil Studies and Research and Central Institute of Classical Tamil
21 & 22-03-2012	National seminar on 'Mu.Va.Padaippugal Panmuga Parvai' conducted by the Dept.of Tamil Studies and Research..
20-12-2013	One day Seminar conducted title of Sevvilkkiyngalin Thanithanmaigal by Dept. of Tamil Studies & Research and Thanjavur Ananya Publications
23to 24-12-2013	Two day Seminar conducted title of 'Annamalai Palgalaikkzha Thamizh Panigal' Dept. of Tamil Studies & Research
25-01-2014	1 day Seminar conducted title of 'Folklore ' by Dept. of Tamil Studies & Research and Chennai Kavya Publications

### 32. Student profile course-wise:- M.A., M.A. 5-Year Integrated, M.Phil., Ph.D., D.Lit.

M.A. Tamil (5 year Integrated) (C.B.S) - All from Tamilnadu Region.

Year	Applied	Admitted
2007-08	42	34
2008-09	34	20
2009-10	27	10
2010-11	24	19
2011-12	15	11
2012-13	06	04

M.A. Tamil (C.B.C.S) - All from Tamilnadu Region.

Year	No. of students	Men	Women	Success rate
2007-2008	43	25	18	88%
2008-2009	46	21	24	97%
2009-2010	38	16	22	100%
2010-2011	30	11	19	100%
2011-2012	28	10	16	93%
2012-2013	28	17	11	94%

## M. Phil- All for Tamilnadu Region

Year	No. of students	Men	Women	Success rate
2007 -2008	52	23	27	100%
2008- 2009	44	24	20	100%
2009 -2010	18	9	9	100%
2010-2011	35	19	16	100%
2011-2012	40	14	25	100%
2012-13	27	06	21	100%

## Ph. D.

Year	No. of students	Men	Women	Success rate
2007 -2008	13	7	6	100%
2008- 2009	18	5	13	100%
2009 -2010	15	10	5	100%
2010-2011	28	17	11	100%
2011-2012	15	9	6	100%
2012-13	22	13	09	100%

**33. Diversity of students**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A.	64	36	Nil	-
M.A. (5 Yr. I.C.)	-	-	-	-
M.Phil	80	20	-	-
Ph.D.,	53	47	-	-

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

Year	2007-08	2008-09	2009-10	2010-11	2011-12
NET	2	1	1	-	-
SLET	-	1	-	-	-

**35. Student progression**

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil.	80
PG to Ph.D.	02
Ph.D. to Post-Doctoral	-
Employed	-
◆ Campus selection	
◆ Other than campus recruitment	
Entrepreneurs	

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	09
from other universities within the State	84
from universities from other States	07
from universities outside the country	-

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period :-**

**38. Present details of infrastructural facilities with regard to**

- a) Library - Yes
- b) Internet facilities for staff and students - 04
- c) Total number of class rooms - 09
- d) Class rooms with ICT facility - 01
- e) Students' laboratories - Nil
- f) Research laboratories - Nil

**39. List of doctoral, post-doctoral students and Research Associates**

a) from the host university:- Ph.D., - 43 No's.(List Enclosed). List of Ph. D. Degree Awarded

Research Scholar Name	Year	Research Scholar Name	Year	Research Scholar Name	Year
M.R.Devaki	2007	K.Boopathi	2011	B.Sangeetha	2012
M.Jothi	2007	D.Sasikala	2011	K.Ananthi	2012
T.Thirunavukkarasu	2007	J.Raja	2011	S.Vijayakumar	2012
C.Arumugam	2007	S.Vijayakumar	2011	N.K.Hemlin Ida	2013
T.Thamaraikannan	2007	S.Rajkumar	2012	K.Sankardevi	2013
A.Anbuarasan	2008	K.Vijayakumar	2012	M.Yazhini	2013
A.Ganesan	2008	G.Sivagama sundari	2012	V.Chandrasekar	2013
V.Ramamoorthy	2008	N.Nagarajan	2012	S.Kodiyarasu	2013
S.Kalpana	2008	B.Kanitha	2012	S.Maheswari	2013
T.S.Ramachandran	2009	S.Elayaraja	2012	A.Thirumeni	2013
R.Malarvizhi	2009	S.Elayaraja	2012	G.Karunakaran	2013
S.Vadivelan	2009	C.Arumugam	2012	V.Breeta Jasmine	2013
T.Kumar	2009	S.Vettrivelan	2012	A.Rajini	2013
S.Balu	2010	D.Annadurai	2012	P.Jayamary	2013
S.Priya	2011				

b) from other universities

**40. Number of post graduate students getting financial assistance from the university?** Nil

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.** Nil

**42. Does the department obtain feedback from**

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, the feedback is used to update the curriculum.

b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Tutorial system, periodic, Continuous assessment.

c) alumni and employers on the programmes offered and how does the department utilize the feedback?

Updating the Syllabus.

#### 43. List the distinguished alumni of the department (maximum 10)

- Dr. Porkko, Former Vice-Chancellor, Madras University.
- Dr. K.P. Aravanan, Vice-Chancellor, Manonmaniyam Sundaranar University.
- Kavingnar Sirpi, Former Prof. & Head, Bharathiyar University.
- Dr S. N. Kandasamy, Director, Central Institute of Classical Language Tamil.
- K. Nachimuthu, Professor, Jawaharlal Nehru University, New Delhi.
- Dr A.A. Manavalan, Professor, University of Madras.
- Dr. Jayadevan, Former Head of the Dept. , Madras University, Chennai
- Dr M. Nannan, Prof, Presidency College, Chennai.
- Dr. Ramanathan, Former Professor of Tamil, Tamil University.
- Dr. P. Mathaiyan, Former Professor & Head, Periyar University, Salem.

#### 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts. - Endowment Lectures

Date	Endowment Name	Speaker	Topic
6/2/2007	South Africa Arangasamy Packkiri Pillai Danalakshmi Ammal Subramania Pillai Endowment	Dr. Shanmuga Selvaganapathi, Thiruvaiyaru	Ulagin Thalairantha Neethi Ilakkiyam Thirukkural Theivathamizh
7/2/2007	Arulnandi Sivachariyar Sivagnana Siddiyar Endowment	Dr. V. Subramanian Mylam	Siddhiyarin Sadanaviyal Siddhiyum Muthiyum
13/2/2007	Dr. A. Anandanatarajan Endowment	Dr. Aru. Somasundaram Karaikudi	Yappilakkanam Yappiyal Nilai
3/3/2007	Dr. K. Anbalagan Endowment	Dr. Porko Chennai	Paventharin Ilakkiya Nayangal Paventharin Ilakkiya Puratchi
5/3/2007	Dr. S. Singaravelanar Endowment	Dr. M. P. Sathiya velmurugan	Appar Kattum Ilakkiya Nayangal Appar Kattum Iraiyyal Neri
10/3/2007	Shanmugam Meyyappan Endowment	Dr. Rama Soundaravalli	Pirkala Sitrilakkiyangalin Samugaviyal parvai (Kutralakuravanji, Pallu) 2. Marumakkal Vazhi Maanmiyam
27/3/2007	Va. Suba. Manickkum Endowment	Pulavar Va. Sivasankaran Kancheepuram	Ka. Su Pillain Illakkiya Unarvu Ka. Su. Pillain Samaya Unarvu.
24/01/2008	Thamizhkadal Raya Chokkalingam Endowment	Dr. Mu. Sivachandiran	Ammanaiyil Oor Arputham Athisayam Kanden
10/01/2008	Aadur Thiru M. Rathinasabapathi Pillai Panniru Thirumurai Saiva Siddhanta Endowment	Dr. P. Neela	Gnalamalarnta Gnanathamizh Nambi Aarurarin Natpu Thamizh
2/2/2008	Dr. K. Thiagarajan Endowment	Dr. P. Valanarasu	Manickka Sindanaikal Thirukkural Sindanaikal
7/2/2008	Pandithamani M. Kathiresa Chettiar Endowment	Dr. Maraimalai	Mozhipeyarppu Kalai Pozhipeyarppu Kotpatukal
12/2/2008	Diwan Bagadur T. M. Narayanasamy Pillai	Thiru M. Srinivasan	Thamizhisayum Barathiyarum



Date	Endowment Name	Speaker	Topic
	Endowment		Prof.A.Srinivasaragavanin Thamizh Thondu
21/2/2008	Nawab Rajamanickam Tamizh Nataka Endowment`	Kalimamani K.P.Arivanandam	Tamizh Nataka Kalai - Anrum Inrum Enn Nataka Payanam
26/2/2008	Dr.A.Anandanatarajan Endowment	Dr.T.Murugasami	Sivaprakasara Thiruneriya Thamizh Sivaprakasara Thani Thamizh
29/02/2008	Prof.L.P.KR. Ramanathan Chettiyar Endowment	Thiru T.K.S.Kalaivanan	Muththamizh
4/3/2008	Bharathiyar Centenary Celebration Endowment	Dr.Ravi Bharathi	Ettayapurathu Erimali Bharathi Oru Kavikuyil
11/3/2008	Prof.Vidwan Arumuga Mudaliar Anbil Saravana Mudaliar Panniru Thirumurai Saiva Siddhanta Endowment	Tha.Ma.Vellaivaranam	Devaram Therivikkum Samana,Bowtha Pazhakkangal Thiruvasakiathil Nayanmarkal Patriya Seithikal
19/3/2008	Sorunambal Endowment	Dr.S.Ganapathiraman	Dr.Ra.P.Sethupillayin Vazhkai Suvadukal Dr.Ra.P.Sethupillayin Padaippugal
24/3/2008	Va.Suba.Manickkam Endowment	Dr.Porko	Puthulaga Suzhalil Mozhi Kalviyin Thevai Thamizhagathin Thamizh
24/04/2008	Gowthami Devi Endowment	Thavathiru Kundrakudi Ponnambal Adigal	Thirumanthiram
26/3/2008	Na.Mu.Venkatasamynattar Endowment	Dr.K.Sundaramoorthi	Silambu Kural
07/11/2008	Arulnandi Sivachariyar Sivagnana Siddiyar Endowment	Dr.Pazha.Muthappan	Siddhiyar Kattum Vazhviyal Arulnandi Sivanarin Vazhipattu Muraigal
10/11/2008	South Africa Arangasamy Packkiri pillai Danalakshmi Ammal Subramania pillai Endowment	Dr.V.Gurunathan	Kaviya Paaviyal Elango Kaviya Paaviyal Kambar
13/11/2008	Anandathandavapuram Sri Durgamani Sundaesa Endowment	Dr.A.V.Rangachari	Geethaiyum Kuralum Geethaiyum Pira Samay Arangalum
24/12/2008	Shanmugam Meyyappan Endowment	Dr.M.Thirumalai	Puthu Sen Neri Nookil Sitrilakkiyam Sitrilakkiya Valam
29/12/2008	Dr.A.Chidambaranathan Chettiar Endowment	Dr.Rama Gurunathan	A.C.Chettiyarin Yappiyal Uyaraivu Ikkala Paa Vadivangalum Valarchiyum
5/1/2009	Coimbatore V.Palanisamy Endowment	Dr.Rama Sundaram. Madurai	Ariviyal Thamizh Oru Varalatra Parvai Kalai Sollakkam
12/1/2009	Prof.Ka.Su.Pillai Endowment	Dr.A.Arivunambi	Ka.Su.Pillaiyin Aaivuthiran Ka.Su.Pillaiyin Mozhithiran

Date	Endowment Name	Speaker	Topic
18/02/2009	Singaravelanar Endowment	Dr.S.Meikandan	Moovar Padiya Kadar Patalkal Thevara Pathigangalum Sekkizhar Parvayum
27/2/2009	Prof.K.Meenatchi Sundaranar Endowment	Pulavar Vetri Azhagan	Siddha Maruthuvathin Sirappiyalbukal Tholkappiyar Unarthum Moonram Vetrumai Urubu
3/3/2009	A.E.Devarajan Endowment	Thavathiru Ooran Adigal	Thirumoolar Thirumanthiram Thanithiran Inraya Manitha Neyamum Vallarin Aanmeega Neyamum
4/3/2009	Paventharr Barathidasan Endowment	Dr.Aranga Rasu	Pen Vizhippum Pen Viduthalayum Thamizh Vizhippum Ina Viduthalayum Thozhilalar Vizhippum Varga Viduthalayum
22/10/2009	Bharathiyar Centenary Celebration Endowment	Dr.M.Sudanthiramuthu	Bharathyin Penniyal Bharathyin Arasiyal
28/10/2009	Nawab Rajamanickam Tamizh Nataka Endowment	Dr.R.Kumaravelan	Diravida Iyacka Natakangal Naveena Natakangal
30/10/2009	Vanathi Egapparr Kaliammai Endowment	Dr.C.S.Visalakshi	Kannadasanin Kaviyamudam Kambanum Kanndasanum
09/11/2009	Ms.S.Gowthami Devi Endowment	Dr.So.So.Mi.Sundaram	Yan Petra Inbam Peruga Ivvaigyagam Manickka Koothan
30/12/2009	Prof.L.P.KR. Ramanathan Chettiyar Endowment	Dr.P.Marudanayagam	Thamizhin Sevviyal Thaguthi Kalithasari Padaippugalil Silambin Selvakku
01/01/2010	Thamizhkadal Raya Chokkalingam Endowment	Dr.Sivachandiran	Amma Nann Anjumare Aadather Arputham Ariyene
06/01/2010	Thiru Na.Mu.Venkatasamy Nattarr Endowment	Dr.A.Arivunambi	Nattarin Katturai Thiran Pathinen Keezh Kanakkum Nattarum
20/01/2010	Aadur Thiru M.Rathinasabapathi Pillai Panniru Thirumurai Saiva Siddhanta Endowment	Dr.T.Gnanasundaram	Thiru Kazhumala Mummani Kovai Thiruvaidaimarudur Mummani Kovai
28/01/2010	Pandithamani M.Kathiresa Chettiar Endowment	Dr.A.Muthuvelu	Thokappiya Mozhipeyarppugal Oru Parvai Sanga Ilakkiya Mozhipeyarppugal
29/01/2010	Va.Suba.Manickkam Endowment	Dr.V.Jayadevan	Dr.Va.Suba.Manickkanarin Vazhviyal Unarthum Thamizhiyam Prof.Va.Suba.Manickkanar Noolkal Unarthum Thamizhiyam
03/02/2010	Sorunambal Endowment	Dr.K.V.Balasubramaniyam	Paranar Sila Melaiyugal

Date	Endowment Name	Speaker	Topic
15/02/2010	Diwan Bagadur T.M.Narayanasamy Pillai Endowment	Dr.Saraswathi Ramanathan	Kavi Chakkaravathiyum kavirayarum Bharathyin Thamizhisai Panikal
16/02/2010	Shanmugam Meyyappan Endowment	Dr.T.Gnanasundaram	Neethi Neri Vilakkam Chidambaram Seiyutkovai
26/02/2010	South Africa Arangasamy Packkiri Pillai Danalakshmi Ammal Subramania pillai Endowment	Dr.K.Panchangam	Thamizhil Natanthulla Penniyal Aaivugal Thalithiyal Aaivugal
21/12/2011	Prof.K.Meenatchi Sundaranar Endowment	Dr.Renugadevi	Pothu Mozhiyiyal Soozhal Porunmai
22/12/2011	Dr.A.Anandanatarajan Endowment	Dr.N.Murugesan	Thirupugazh Thamizh Alangaram
22/12/2011	Aadur Thiru M.Rathinasabapathi Pillai Panniru Thirumurai Saiva Siddhanta Endowment	Dr.D.Murugasamy	Mupporul Unmai Oppeedu- Thiruvagasam- Thirumanthiram Noorpa Panneradum - Nool Pannerendum0. ...
5/1/2012	Va.Suba.Manickkam Endowment	Aringnar Ilang Kumaran	Thamizhin Melam Thagavu Thamizh Kappu Poar
11/1/2012	Ms.S.Gowthami Devi Endowment	Dr.D.Gnanasundaram	Thirumanthiramum Thirukkuralum Thirumanthiramum Vazhviyalum
23/1/2012	Dr.K.Thiagarajan Endowment	Dr.Vijaya Venugopan	Kuriyiyal
2/2/2012	Sorunambal Endowment	Kamban Adi soodi Pazha Paniappan	Yavayum ..... Kamban Semmaiser ..... Kamban
22/2/2012	Thiru Na.Mu.Venkatasamy Nattar Endowment	Dr.K.Pandurangan	Senavarayar in Uraithiran Tharga Noor Pulamai
13/2/2012	Prof.L.P.KR. Ramanathan Chettiyar Endowment	Kavingnar Erode Thamizhanban	Thamizh Kavithayil Puthiya Nooku

### Workshop Training Programme

03/01/2011 To 12/01/2011	Workshop Training Programme conducted on 'The editions of Sangam Literature and the History of Sangam Studies' by the Dept.of Tamil Studies and Research and Central Institute of Classical Tamil
14/02/2012 To 16/02/2012	Seminar Programme conducted on 'Editions and commentaries of Tolkappiyam through Ages' Dept.of Tamil Studies and Research and Central Institute of Classical Tamil
09/12/2013 to 13/12/2014	5 days Workshop Training Programme conducted on 'Children Storys' by Dept.of Tamil Studies and Research and Central Institute of Indian Languages - Mysore
05/02/2014 to 14/02/2014	10 days Workshop Training Programme conducted on 'Kalamthorum Thirukkural Urai Valarchi' by Dept.of Tamil Studies and Research and Central Institute of Classical Tamil

### 45. List the teaching methods adopted by the faculty for different programmes.

Black Board Teaching; LCD Projectors; and Over Head Projectors

### 46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Undertaking extra Coaching and Teaching to promote the level of learning.

#### 47. Highlight the participation of students and faculty in extension activities.

##### Extension Programmes

- NSS Camps & NSS Activities
- Blood Donation
- Red Cross Society

#### 48. Give details of “beyond syllabus scholarly activities” of the department.

Inter-University Seminars.

#### 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

#### 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Wider access has been provided for the faculty and research students to work on with the computers and internet facility has been given for the benefit of them

#### 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

##### Strengths

- Experts in Traditional Grammar
- Experts in Sangam Literature
- Endowment Lectures
- Publication of Books by Staff Members
- Bestowed with Endowment Lectures
- Publication of Books by compilation.

##### Weaknesses:

- The exposure of the first generation students is very less on various Dravidian Languages.
- Lack of computer literacy.
- Lot of scope for M.A. (Tamil) students to have employment in the field of Journalism and creative writing.

##### Opportunities

- Cater to the needs of Foreign students.
- Facilities for the Foreign Tamil students to do Ph.D.
- Facilities to learn Saiva Siddhanta Philosophy, Sanskrit and Basic Linguistics.

##### Challenges

- Research at National level

#### 52. Future plans of the department.

Proposing to invite Eminent Foreign Tamil Scholars to deliver special and Guest Lectures. To study and record the birth and growth of minor literary genres in Tamil and to teach the Tamil culture and civilization advocated in those literature.

Tolkappiam Chair to analyse and record the content, structure and techniques adopted in Tamil literary Genre from the point of view of the culture and civilization. Further, it aims to explain these literatures to the future generation from the research point of view.

- Conducting International Tamil Seminars
- Efforts will be taken to Publish the department Journal
- To expose the students to Tamil Internet.
- Central Institute of Classical Tamil grant aid scheme
- Training Programme

## DEPARTMENT OF HINDI

**1. Name of the Department : -** Hindi

**2. Year of establishment :-** 1972

**3. Is the Department part of a School/Faculty of the university?**

Yes, Faculty of Indian Languages

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

(i) M.A.

(ii) M.Phil.

(iii) Ph.D.

**5. Interdisciplinary courses and departments involved: - ----**

**6. Courses in collaboration with other universities, industries, foreign institutions, etc. -** Nil

**7. Details of programmes / courses discontinued, if any, with reasons :** Nil

**8. Examination System: Annual/ Semester/Choice Based Credit System**

Choice Based Credit System

**9. Participation of the department in the courses offered by other departments**

Hindi is offered as an elective courses for other departments.

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned *	Actual **
Professor	--	--
Associate Professors	02	--
Asst. Professors	01	03

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

**11. Faculty profile with name, qualification, designation and specialisation (D.Sc. / D.Litt. / Ph.D. / M.Phil., etc.)**

**Faculty Members : 03**

Name of the Teacher	Designation	Qualification	Area Specialization
Dr. V. Jagannadha Reddy	Assistant Professor & Head i/c	M.A. (Hindi), Ph.D., (Hindi), PG DFHT, PGDJ, PGDCA, FRAS (London)	Modern Hindi Literature, Translation Studies, and Language Technology
Dr. L. Thillai Selvi	Assistant Professor	M.A (Hindi), M.A (Tamil), M.A (Translation Studies) Ph.D., (Hindi)	Hindi Kathasahithya, Transalction
Dr. B. Kamakoti	Assistant Professor	M.A (Hindi), M.Phil., Ph.D., M.Com., PGDT	Hindi Katha Sahithya

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:-** Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information: -**Nil

**14. Programme-wise Student Teacher Ratio**

M.A. Hindi: 1:3

–

M. Phil: 1:3

–

Ph.D.: 2:3

### 15. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Actual
Supporting Staff	01

### 16. Research thrust areas recognized by funding agencies

Language technology , Translation studies & Modern Literature.

### 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

Dr. V. Jagannadha Reddy, Assistant Professor & Head <sup>1/c</sup>

Title of the Project	Name of the funding Agency	Duration	Remarks	Amount
' Glimpses of Tamil Culture with Special Reference to Silappathikaram'	UGC-CCSLL	2008-2009	Completed	0.20 lakhs
'Translators Tool for Administrative Terminology for English-Hindi-Telugu'	UGC-CCSLL	2009-2010	Completed	0.35 lakhs
Multi Lingual Reversible Dictionary for Eng-Hin-Tel-Tam	UGC Research grant under XI Plan	2010-2012	Completed	2.00 lakhs

### 18. Inter-institutional collaborative projects and grants received:

a) All India collaboration b) International :- Nil

### 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received - Nil

### 20. Research facility / centre with

- state recognition
- national recognition
- international recognition

### 21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil

### 22. Publications: Annexure - I

- Number of papers published in peer reviewed journals - 29 (Annexure -I)
- Monographs : Nil
- Chapters in Books : Nil
- Edited Books : Nil
- Books with ISBN with details of publishers : Nil
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index - range / average : Nil
- SNIP : Nil
- SJR : Nil
- Impact Factor - range / average : Nil
- h-index : Nil

### 23. Details of patents and income generated : Nil

### 24. Areas of consultancy and income generated : Nil

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:** Nil

**26. Faculty serving in :** a) National committees b) International committees c) Editorial Boards d) any other (please specify) - Nil

**27. Faculty recharging strategies (UC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):** - Nil

**28. Student projects:**

- percentage of students who have done in-house projects including inter-departmental projects : 100%
- percentage of students doing projects in collaboration with other universities / industry / institute : Nil

**29. Awards / recognitions received at the national and international level by Faculty**

Dr. V. Jagannadha Reddy, Assistant Professor & Head i/c was elected as Fellow of Royal Asiatic Society, London in June 2012.

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Organization of Conferences/Seminars/Workshops/Symposia-01

Recently one day National Seminar was held for the first time after the inception of the department on the theme "Human values management and Hindi Literature" on 21<sup>st</sup> March 2014.

**31. Code of ethics for research followed by the departments**

Steps have been taken to prevent plagiarism

**32. Student profile course-wise:**

(i) M.A.

(ii) M.Phil.

(iii) Ph.D.

P.G.			M. Phil.,			Ph.D.,		
Applied	Admitted	Pass%	Applied	Admitted	Pass%	Applied	Admitted	Pass%
01	01	100%	Nil	Nil	Nil	04	02	50%

**33. Diversity of students**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A.	Nil	Nil	Nil	Nil
M.Phil.	80	20	-	-
Ph.D.	80	20	-	-

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. :** Nil

**35. Student progression**

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	80
PG to Ph.D.	20
Ph.D. to Post-Doctoral	-
Employed : Campus selection	-
Other than campus recruitment	-
Entrepreneurs	-

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	33%
from other universities within the State	33%
from universities from other States	33%
from universities outside the country	-

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period :-** Ph.D., - 01

### 38. Present details of infrastructural facilities with regard to

- a) Library - 01
- b) Internet facilities for staff and students - 02
- c) Total number of class rooms - 02
- d) Class rooms with ICT facility- Nil
- e) Students' laboratories - NA
- f) Research laboratories - NA

### 39. List of doctoral, post-doctoral students and Research Associates

a) from the host university - Nil

b) from other universities - Nil

**40. Number of post graduate students getting financial assistance from the university?** Nil

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.** - Nil

### 42. Does the department obtain feedback from

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

- The department utilizes the feedback for improving the teaching learning activity to be more vibrant and dynamic to suit the needs of the students

b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

- The department utilizes the feedback for improving the curriculum and teaching methodology according to the arising needs of the students to fetch better employment .

c) alumni and employers on the programmes offered and how does the department utilize the feedback?

- The department utilizes the feedback for improving the job orientation of the curriculum and enhancing the language skills for better placement in the raising competition.
- The department utilizes the feedback for Updating the Syllabus.
- The department utilizes the feedback for encouraging alumni to create endowments to help the deserving students in their higher education
- The department utilizes the feedback for developing social responsibility among the students through literature.
- The department utilizes the feedback for inculcating ethical values in the students to lead good life.



**43. List the distinguished alumni of the department (maximum 10)**

- Dr.Late S.Gulam Rasool , Former Head of the Department
- Dr.Ahamad Hussain, Former Head of the Department
- Dr. S.Kader Mohiddin, Former professor of the Department
- Dr.S.Nazeer, Associate Professor, Govt. Degree College, Nandyal, AP
- Dr.M.Srinivas Gupta, Former Head of Hindi, Govt. arts college, Mahe.

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Special Lectures were arranged for the benefit of students by the visiting Professors at regular intervals.
- Special workshops were arranged to showcase the talent of the students through power point presentations especially for elective students from business administration department.
- Mock interviews and model role plays were conducted for the benefit of the elective students from business administration department.

**45. List the teaching methods adopted by the faculty for different programmes.**

Black board teaching/ LCD Projector/ Power point presentation/Interactive CDs

**46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

By undertaking extra coaching and teaching to promote the level of learning.

**47. Highlight the participation of students and faculty in extension activities.****Extension Programmes**

- NSS Camps & NSS Activities
- Blood Donation camps
- Red Ribbon Club

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Publication of research articles on emerging areas in language and literature
- Delivering guest and invited lectures to different target groups for the development of language and communication skills.
- Training to the other teaching and non-teaching staff in language drafting skills
- Special training in spoken Hindi for developing basic communicative skills in Hindi.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.****50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied Computer Knowledge.**

- Wider access has been provided for the faculty and research students to work on with the computers and internet facility has been given for the benefit of them.
- Giving training to the research scholars to use Computers for DTP and other needs.

## 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

### Strengths

- Well Established Department
- Academic flexibility under CBCS system

### Weaknesses

- Existing in rural area
- Not in a position to attract the students

### Opportunities

- Able to serve the rural students needs
- Able to develop translation skills
- Carryout comparative studies in Hindi & Tamil
- With the help of UGC can provide scholarships to the students
- To develop CALT materials for teaching Hindi

### Challenges

- Getting enrollment for PG programs
- Developing skills in Hindi
- To avoid mother tongue influence (MTI) in students
- To make students tech savvy to improve learning activity
- To create awareness for learning Hindi

## 52. Future plans of the department.

- It is proposed to enhance the awareness among the students to learn Hindi to have better employment opportunities and to have cutting edge in moving across the country.
- Also to develop some techno tools for the promotion of National Language in this part of the country through Tamil.
- To develop software for teaching Tamil to Hindi students who are taking admission in Engineering and other programmes of the University
- Efforts will be taken to translate and publish the classical works of Tamil into Hindi.
- To promote moral and ethical values by preparing some teaching content in the form of e-resources with texts like Tirukkural and Kabir and Rahim Dohas and also select ethical literature from other southern languages Telugu, Kannada, and Malayalam.
- Emphasis will be given for taking up research projects on comparative basis to bring out the great literary works of Tamil into limelight.

## CENTRE OF ADVANCED STUDIES IN LINGUISTICS

**1. Name of the Department :-** CAS in Linguistics

**2. Year of establishment :-** 1956

**3. Is the Department part of a School/Faculty of the university?**

Yes, Faculty of Indian Languages

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

UG	Diploma Courses	M.Phil.
PG	PG Diploma	Ph.D.

Certificate Courses

Programmes offered during 2010-2012

(Full Time): 2010-2011

- Intensive Course in Tamil (Spoken & Written)

(Part Time Courses) : 2011-2012

- P.G. Diploma in Lexicography
- P.G. Diploma in Translation Studies
- P.G. Diploma in Computational Linguistics
- P.G. Diploma in Natural Language Processing
- P.G. Diploma in Natural Language Processing (T/M)
- P.G. Diploma in Phonetics
- Certificate Course in Phonetics Training and Laboratory Techniques

(Full Time)

- P.G. Diploma Course in Phonetic Training & Lab Techniques

(Off Campus)

- M.A. Linguistics (Tamil & English Medium)
- M.A. Translation Studies
- P.G. Diploma in Natural Language Processing

**5. Interdisciplinary courses and departments involved**

NLP, Faculty of Engineering & Technology, Department of Computer Science, Language Disorders, Faculty of Education, Department of Psychology

**6. Courses in collaboration with other universities, industries, foreign institutions, etc. -** Nil

**7. Details of programmes / courses discontinued, if any, with reasons -** Nil

**8. Examination System: Annual/ Semester/Choice Based Credit System**

Choice Based Credit System

**9. Participation of the department in the courses offered by other departments**

- Handling NLP classes for Engineering faculty
- Handling Clinical Linguistics Practical classes for Psychology Department
- Handling Linguistics classes for English Department
- Handling Tamil classes for Nursing Students

### 10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned *	Actual **
Professor	03	4
Associate Professors	11	3
Asst. Professors	13	10

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

### 11. Faculty profile with name, qualification, designation and specialization (D.Sc. / D.Litt. / Ph.D. / M.Phil., etc.)

Name	Designation	Degree	Area of Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. M. Ganesan (Retired)	Professor & Director	M.A., (Ling), M.A., (Tamil), M.Phil., Ph.D., (Ling)	Computational Linguistics Corpus Linguistics Multimedia	28	5
Dr. V. Thiruvalluvan	Professor	M.A., (Ling), M.A., (Tamil), M.Phil., Ph.D., Cert. in Hindi	Phonetics Phonology Clinical Linguistics	22	5
Dr. A. G. Natarajan	Professor	M.A., (Ling) B.O.L., M.Ed., Ph.D., Cert. in Sanskrit	Traditional Grammar Case Grammar	22	2
Dr. S. Raja	Professor	M.A., (Ling), Ph.D., (Ling) P. G. Dip. Lexicography	Semantics Lexicography Translation	14	1
Dr. V. Geetha	Professor	M.A., (Ling), Ph.D., (Ling)	Sociolinguistics Folklore	12	1
Dr.M.Sivashanmugam	Associate Professor	M.A., (Ling) Ph.D., (Ling)	Phonetics & Phonology Sociolinguistics Tribal studies	12	1
Dr. A. Mubarak Ali	Associate Professor	M.A., (Ling) M.A., (Tamil) M.Phil., Ph.D.,	Sociolinguistics Lexicography Indo-Aryan Tribal language	11	1
Dr. R. Saranya	Associate Professor	M.A.,(Trans) M.A., (Tamil) M.A., (Psy), M.Phil., Ph.D., B.Sc., B.Ed., P.G.Dip. in Computational Linguistics	Morphology Translation Studies	11	1

Name	Designation	Degree	Area of Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. D. Nedunchelivan	Assistant Professor	M.A.,(Ling) Ph.D., (Ling)	Modern Tamil Grammar Morphology	11	1
Dr. P. Manimaran	Assistant Professor	M.A., (Trans) M.A.,(Eng) M.A., (Tamil) Ph.D.,(Ling)	Translation Studies Semantics Morphology and Syntax	11	1
Dr. A. Kamatchi	Assistant Professor	M.A., (Ling) M.Phil., (Ling) Ph.D., (Ling) DCA, C&C++.	Generative Syntax Syntax & Semantics Traditional Grammar	11	1
Dr. P. Chandramohan	Assistant Professor	M.A., (Ling) Ph.D.,(Ling) P.G.D.L.,	Sociolinguistics Semantics Lexicography	10	1
Dr. M. Sivakumar	Assistant Professor	M.A.,(ling) M.A., (Socio) Ph.D., (Ling)	Tribal Studies Indo-Aryan languages Anthropological Linguistics	9	1
Dr. R. Durai	Assistant Professor	M.A.,(Ling) Ph.D.,(Ling)	Syntax, Morphology Language and Mass Communication	9	1
Dr. P. Kumaresan	Assistant Professor	M.A.,(Ling) M.A.,(Tamil), M.Phil., Ph.D., B.Ed.,	Syntax, Phonology Language teaching Method	7	1
Dr. R. Lalitha Raja	Assistant Professor	M.A.,(Ling.),M.A., (Psy.),Ph.D.,(Ling) B.Ed., P.G. Dip.in Guidance and Counseling., P.G. Dip. in Computational Linguistics, Dip. in Sanskrit., Cert. in French.	Psycholinguistics Clinical Linguistics Syntax	6	1
Dr. P. Vijaya	Assistant Professor	M.A.,(Ling) Ph.D., (Ling)	Language Teaching Methods, Computational Linguistics	5	1
Dr. C. Kuppusamy	Assistant Professor	M.A., (Ling) Ph.D., (Ling) DNCC.	Folklore Syntax	4	-

## 12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors

### Senior Visiting Fellows

- Prof.K.S.Rajashree CIIL, Mysore January 2011
- Prof.G.Umamaheswara Rao, CALTS, University of Hyderabad, March 2011
- Dr.B.Ramakrishna Reddy, Telugu University, Hyderabad March 2011
- Dr.L.Ramamoorthy, CIIL, Manarugangori, Mysore March 2012

### Foreign Visiting Fellows

- Prof.K.Karunakaran, University of Michigan, USA 2007-2008
- Prof.Dr.Ulike Niklas, University of Cologne, Germany 2008-2009
- Dr.Seetha Lakshmi, Institute of Nayang Technological University, Singapore 2008-2009
- Mohanadass Ramasamy, University of Malaya, Malasia, U.K 2008-2009 Prof.Vasu Renganathan University of Pennucilveniya, U.S.A, 2011-2012
- Prof.Jaroslav Vacek, Charles University, Czech Republic 2011-2012
- Dr.S.Jegathesan, Jurong junior College, Singapore 2010

### Faculty

- Dr.M.Jayakumar, Bharathiyar University, Coimbatore 2008 - 2009
- Dr.Rajendran, Dravidian University, Kuppam 2009-2010
- Dr.R.Kothandaraman, CICT, Chepauk, Chennai 2010-2011.
- Dr.J.Vacek, Charles University, Czech Republic 2010-2011
- Prof.Punal.K.Murugaiyan, CAS in Linguistics, Annamalai University 2010-2011
- Dr.K.H.Dhiren Singha, Assam University, Silchar 2011
- Prof.Ch.Sanjeeva Kiakatoge University, Warangal 2011

### Adjunct faculty

#### Emeritus Professor

- Dr.K.Karunakaran, Emeritus Fellow 2008-2009

## 13. Percentage of classes taken by temporary faculty - programme-wise information

Temporary faculty is not employed.

## 14. Programme-wise Student Teacher Ratio: - 1:7

## 15. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Actual
Technical Staff	03
Administrative Staff	10

## 16. Research thrust areas recognized by funding agencies

- Descriptive and Comparative Study of Dravidian and Indo-Aryan
- Language and Linguistics (with Special reference to endangered and indigenous languages).
- Applied Linguistics (with Special reference to Clinical Linguistics and Language Technology).

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Principal Investigator/ Co-investigator	Name of Projects	Funding Agency	Period	Rs.
Dr. S. Raja	"Lexical Structure of Chilappathikaram"	CICT, Chennai	January 2013 - December 2013	2,50,000
Dr. M. Sivashanmugam & Dr. R. Lalitha Raja	"Tamil Language Acquisition: A Psycholinguistic Study"	ICSSR	2013 - 2015	10, 00,000
Dr.A.Mubarak Ali	"Urdu-Tamil Bilingual Dictionary"	UGC	2012 - 2014	9,02,600
Dr.R.Saranya	"Bi-Lingual and Bi-Directional e-Dictionary for School Children"	UGC	2012 - 2014	3,17,600
Dr. M. Sivakumar,	A Sociolinguistic Study of Fisherman Dialect of Tamil in Puducherry	ICSSR	2013 - 2015	6, 00,000
Dr.R.Lalitha Raja	"A Comparative Study of Syntactic and Semantic Distinctiveness in Tamil Children with Hearing and Hearing Impairment"	Ali Yavar Jung National Institute for the Hearing Handicapped	2012 - 2015	5,12,500
Dr.R.Lalitha Raja	"Identification and Remediation of Phonological Disorders among Children with Mental Retardation"	ICSSR	2012 - 2014	8,69,675
<b>Total</b>				<b>44,93,575</b>

**18. Inter-institutional collaborative projects and grants received**

a) National collaboration b) International collaboration

Foreign Collaborative Project			
1.	Dr. S. Raja & Thomas Malten (University of Cologne, Germany)	Bilingual Tamil Lexicography in 18 <sup>th</sup> and 19 <sup>th</sup> Century with Special reference to German contribution.	2008-2011

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.**

Have received fund from UGC-SAP/CAS

**20. Research facility for the centre is available with**

- state recognition
- national recognition
- international recognition



**21. Special research laboratories sponsored by / created by industry or corporate bodies - Nil**

## 22. Publications:

- Number of papers published in peer reviewed journals (national / international): 49 (See Annexure - I)
- Monographs
- Chapters in Books
- Edited Books
- Books with ISBN with details of publishers
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index - range / average - Nil
- SNIP - Nil
- SJR - Nil
- Impact Factor - range / average - Nil
- h-index - Nil

## 23. Details of patents and income generated - Nil

## 24. Areas of consultancy and income generated - Nil

## 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad :- UGC-DAAD (Dr. S. Raja) 2008-2009 - Visited University of Cologne, Germany.

## 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

- Dr. Lalitha Raja, Assistant Professor is serving as member of editorial committee in an International Online Journal on "Modern Journal of Applied Linguistics"

## 27. Faculty recharging strategies

- Teaching staff are encouraged to attend workshop, training programs, refresher courses, summer schools in order to update their knowledge in their areas of specialization.
- Special lectures / Endowment lectures on latest topics are arranged in the department by inviting scholars in the fields to the benefit of staff and students.

## 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects - 100%
- percentage of students doing projects in collaboration with other universities / industry / institute - Nil

## 29. Awards / recognitions received at the national and international level by

- Faculty

2007-08	Best Researcher Award to Prof. M. Ganesan
2007-08	Best Teacher Award to Dr. A. Kamatchi
2008-09	Best Researcher Award to Prof. A. G. Natarajan
2010-11	Best Teacher Award to Dr. S. Raja
2010-11	Best Researcher Award to Dr. V.Geetha

- Doctoral / post doctoral fellows



## ➤ Students

Names	Awards	Year
<b>Ph.D. Scholars</b>		
M.Moovendan	Received Rajiv Gandhi National Fellowship Award	2011
K.Suba	Received Rajiv Gandhi National Fellowship Award	2011
K.Mummoorthy	Received Rajiv Gandhi National Fellowship Award	2011
S.Saravanan	Received Central Institute of Classical Tamil Fellowship Award	2011
S.Sriram	Received Research Studentship Award	2011
A.Rajamanickam	Received Research Studentship Award	2011
P.Revathy	Received Research Studentship Award	2011
A.Sundreswary	Received National Testing Service-India (Doctoral Fellow of NTS-I) Award	2011
M.Rameshkumar	Received Newly Created Dr.S.Agesthialingom Endowment Cash Prizes	2011
<b>M.A. Linguistics</b>		
M.Somathasan	Received the award for the best paper in the category of "Grammar and Technology" in 7 <sup>th</sup> International Congress on English Grammar (ICEG 2011) organized by BIT, Sathiyamangalam in Association with University Cambridge, ESOL Examinations.	28-30 Dec.2011

### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

- Workshop on "Indeclinable in Indian Languages" on 01 - 10 February 2007.
- Workshop on "Computer Aided Language Teaching (CALT) 13 - 22 February 2007.
- National Seminar on Development of Second Language Learner's bidirectional Dictionary of Malayalam Tamil - Collaboration with Southern Regional Language Centre - Mysore during 23-28 March 2009.
- International Conference on "Dravidian Linguistics in Honour of Prof.S.Agesthialingam during 19<sup>th</sup> - 21<sup>st</sup> August 2009.
- National Seminar on 'Descriptive Strategies of Phonology and Morphology as Conceived in the Traditional Grammar Tolkappiam, Veeracholinyam and Nemipatham Coloration with CIIL, 11 - 13<sup>th</sup> February 2010.
- National Seminar on 'Language Education : A Critical Evaluation of Development of Language Skills, Collaboration with CIIL, Mysore 28-30 March 2010.
- National Seminar on "Endangered Languages in India" during 21<sup>st</sup> - 22<sup>nd</sup> January 2011.
- Awareness Program for Speech and Language Disorder 7<sup>th</sup> to 12<sup>th</sup> February 2011
- National Seminar on "Current Trends in Language Teaching Methods" during 23<sup>rd</sup> & 24<sup>th</sup> February 2011.
- Workshop on "Tamil Language through Ages" during 02<sup>nd</sup> to 11<sup>th</sup> March 2011.
- National Seminar on "Computational Linguistics and Language Technology" during 17<sup>th</sup> - 18<sup>th</sup> March 2011.

- National Seminar on Modern Approaches to Applied Linguistics on 20-21 December 2011.
- National Seminar on Language and Cognitive Processes on 23<sup>rd</sup> – 24<sup>th</sup> January 2012
- Workshop on “Aspects of Phonology and Morphology in Early Tamil” 1<sup>st</sup> To 10<sup>th</sup> February 2012.
- International Workshop on “Social Inclusion on Person with Disabilities (PWD)” in Collaboration with Holy Cross Service Society 18<sup>th</sup> Feb 2012 at CAS in Linguistics Annamalai University
- National Seminar on “Morpho Syntax of Dravidian Languages” 27<sup>th</sup> -28<sup>th</sup> Mar 2012, UGC SAP -C AS - IV, CAS in Linguistics, Annamalai University, Annamalai Nagar
- National Workshop on “Children Stories in Tamil” in Collaboration with Central Institute of Indian languages, Ministry of HRD, Govt of India, Mysore. 12<sup>th</sup> – 21<sup>st</sup> October 2012, CAS in Linguistics, Annamalai University, Annamalai Nagar
- National Seminar on “Information Communication Technology And Language Teaching (ICT & LT)” in collaboration with Southern Regional Language Centre, CIIL, Ministry of HRD, Govt of India, Mysore. 29<sup>th</sup> & 30<sup>th</sup> Oct. 2012 at CAS in Linguistics, Annamalai University
- “11<sup>th</sup> International Tamil Internet Conference - 2012” 28<sup>th</sup> - 29<sup>th</sup> December 2012 at CAS in Linguistics, Annamalai University, Annamalai Nagar.
- National Workshop on “Linguistic Approach to the Study of Tolkappiyam”
- 23<sup>rd</sup> January – 1<sup>st</sup> February 2013 at CAS in Linguistics, Annamalai University, Annamalai Nagar in collaboration with Central Institute of Classical Tamil, Chennai.
- Workshop on Linguistics Training to Study the Treatment of Syntax in Tamil Traditional Grammars - 26<sup>th</sup> December, 2013 to 04<sup>th</sup> January 2014 at CAS in Linguistics, Annamalai University, Annamalai Nagar.

### **31. Code of ethics for research followed by the departments**

- Respect the rights of research participants and others to safeguard their own dignity.
- Be sensitive to the needs, current issues, and problems of society when determining research questions to be asked, services to be developed, information to be collected, or the interpretation of results/findings.
- Keep up to date with relevant knowledge, research methods, and techniques, through the reading of relevant literature, peer consultation, and continuing education activities, in order that research activities and conclusions shall benefit and not harm others.
- Use a systematic procedure for investigating ethical issues and resolving ethical dilemmas
- Take care in communicating knowledge, findings and views to clearly differentiate facts, opinions, theories, hypotheses, and ideas.
- Ensure that the highest standards of integrity are maintained.
- Respect the right of research participants to receive an appropriate explanation of the nature, purpose and results of investigations, assessments and research findings, in language that these persons can understand.
- Seek an independent ethical review of the risks to public or individual trust and of safeguards to protect such trust for any research which uses deception or techniques which might be interpreted as deception, before making a decision to proceed.
- Maintain records of research data for an appropriate period of time and ensure that these are stored according to the provisions of legislation in this area.
- Protect the dignity and wellbeing of research participants at all times.

**32. Student profile course-wise:**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A Linguistics					
2007 - 2008	5	2	3	100%	
2008 -2009	2	1	1	100%	
2009-2010	2	2	-	100%	
2010-2011	10	6	4	100%	
2011-2012	2	1	1	100%	
2012-2013	20	10	7	100%	
2013-2014	22	3	14	100%	
Ph.D					
2007 - 2008	2	1	1	100%	
2008 -2009	6	4	2	100%	
2009-2010	6	4	2	100%	
2010-2011	7	3	4	100%	
2011-2012	4	3	1	100%	
2012-2013	10	4	6		
2013-2014	6	3	3		

**33. Diversity of students**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M. A.	-	90%	5%	5%
Ph.D.	92%	-	4%	4%

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. - Nil**

**35. Student progression**

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil.	-
PG to Ph.D.	90%
Ph.D. to Post-Doctoral	10%
Employed	
• Campus selection	
• Other than campus recruitment	10%
Entrepreneurs	

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	90%
from other universities within the State	5%
from universities from other States	5%
from universities outside the country	-

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period**

All the faculty are with Ph.D. degree at the time of recruitment.

### 38. Present details of infrastructural facilities with regard to

a) Library :- Library Area - 1600 sq.ft.

Seating Table - 20

One Computer with internet facilities available

b) Internet facilities for staff and students

Five separate internet facilities to the staff member and two computers with internet facilities.

c) Total number of class rooms: Five

d) Class rooms with ICT facility

e) Students' laboratories

Computer Lab with Facility

1. Internet
2. Software (both English & Tamil)
3. Scanning & Printing
4. All computer are connected to LAN connection

Phonetics Lab / Computer Speech Lab with Facility

1. Respiration, Phonation & Prosody Simulation
2. Phonetic & perception simulation

Acoustic learning - Software materials (for learning & practical purpose)

1. Real time spectrogram
2. Real time pitch
3. Palatometer database
4. Analysis and synthesis
5. PRATT software
6. IPA learning software material

Language Lab

A. Digital Multimedia & Laboratory software materials

1. Soft Skill development
2. Personality

B. Audio - Language Learning materials for Tamil, Telugu, Malayalam & Kannada

f) Research laboratories :- Computer with internet facilities

### 39. List of doctoral, post-doctoral students and Research Associates

a) from the host university

b) from other universities

40. Number of post graduate students getting financial assistance from the university? - Two

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Regularly receiving feedback from stake holders and on the needs of the society new programs is started.



#### 42. Does the department obtain feedback from?

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes. The department utilizes the feedback from the faculty at the time of board of studies to revise and update the curriculum and the same is utilized to revamp the teaching learning process.

b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, Based on the feedback staff are advised to enhance the teaching and make the learning student friendly.

c) Alumni and employers on the programs offered and how does the department utilize the feedback?

Yes, Based on the feedback courses in the programs are modified through board of studies and some times new programs are introduced.

#### 43. List the distinguished alumni of the department (maximum 10)

Dr.T.P.Meenakshisundaran	Madurai kamaraj University, Madurai
Dr.S.Agesthialingom	Tamil University, Thanjavur
Dr.A.Murigeppa	Dharwad University, Dharwad
Dr. P.Padmanaban	Registrar, Gandhigram University, Gandhigram
Dr.M.S.Thirumalai	Former Deputy - Director, Central Institute of Indian languages, Mysore
Dr.S.P.Thinnappan	Professor, National University of Singapore
Dr.Vasu Ranganathan	Professor, University of Pennsylvania, USA
Dr.Thomas Maltan	Professor, Cologne University, Germany
Dr.G.Shanthi	Head of Folklore Department, Tamil University, Thanjavur
Dr.R.Senguttuvan	Language Investigator, Speech & Hearing Centre, Mysore

#### 44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

- Weekly research circle meeting conducted.
- Through Linguistics Association, Special Lectures are arranged.
- Weekly class room seminars arranged.

#### 45. List the teaching methods adopted by the faculty for different programs.

Group discussion; Seminar presentation;  
 Using Computer lab for phonetic analysis and practice;  
 Using Phonetic lab for Phonetic Drill;  
 Using Language lab for listening and comprehension;  
 LCD Projector; Digital document camera; OHP; DVD Player; TV.

#### 46. How does the department ensure that program objectives are constantly met and learning outcomes monitored?

By under taking extra coaching and teaching for slow learners to enhance the level of learning and it is monitored by the gradual progression of the students.

#### 47. Highlight the participation of students and faculty in extension activities.

Centre for speech and language disorder studies is a multi -disciplinary effort serves the society from 2006 with a joint venture of medical, psychology department. Under this extension activity the centre has conducted Awareness programs in the form of workshops in which about two hundred participants (200) attended and benefited by this workshop. Every Week on Thursdays and Friday's children with language and speech disorders were directed from RMMCH, to our centre for remedies. About 180 children were benefited by our services. Students from psychology department were deputed for learning the training sessions as their practicals.

For handling the Natural Language Processing classes in Engineering Faculty our staff has been deputed every year.



#### 48. Give details of “beyond syllabus scholarly activities” of the department.

- Preparing the research articles for publication in the leading journals of National and International level
- Writing books
- Delivering Special Lectures
- Attending and Presenting research articles in the national and international programs.
- Undertaking national and international level projects from different funding agencies.
- Preparing e-learning resource materials for students.

#### 49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details. - Nil

#### 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The following contributions of our department are utilized in generating new knowledge both in basic and applied domains:

- The text books and reference books authored by our faculty
- Software / e-Contents prepared for different courses.
- The research outputs obtained from the working on various research projects funded by various agencies.

### 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

#### Strengths

- Rural Students
- First generation students
- Residential campus
- Infrastructural facilities commendable

#### Weaknesses

- Exposure is less
- Less awareness on linguistics
- Teaching position in schools and colleges very rare
- Less motivation

#### Opportunities

- Well qualified faculty
- Frequent seminars abroad
- Visit of eminent national / international scholars
- Project exposure
- Better and clean campus

#### Challenges

- Compete with urban/ elite students
- Lacking of corporate linkage
- No feeder course
- Enrollment at P.G level
- Creating awareness for linguist employability

### 52. Future plans of the department.

- To enhance the Research publications in the form of Books and articles.
- To provide an International level Training to the faculty members.
- To explore possibilities for getting funds from other sources.
- The academic programs will be reoriented to meet the social needs.
- To collaborate with more national and international institution.

## DEPARTMENT OF CIVIL ENGINEERING

**1. Name of the Department :-** Civil Engineering

**2. Year of establishment :-** 1945

**3. Is the Department part of a School/Faculty of the university?**

Yes, Faculty of Engineering and Technology

**4. Names of Programmes / Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

U.G : B.E Civil Engineering (Full time and Part time)

P.G : M.E (Environmental Engineering) (Full time and Part time)

M.E (Water Resources Engineering and Management) (Full time and Part time

Ph.D. : Civil Engineering (Full time, Part time and External)

**5. Interdisciplinary courses and departments involved**

Name of Programme / Course	Department involved
B.E. Civil	Civil Engineering and Civil and Structural Engineering

**6. Courses in collaboration with other universities, industries, foreign institutions, etc. :-** Nil

**7. Details of programmes / courses discontinued, if any, with reasons:-** Nil

**8. Annual/ Semester/Choice Based Credit System**

Name of Programme	System
B.E. Civil	Choice Based Credit System with Annual Pattern in First year and Semester pattern in Second, Third and Final years
M.E. Degree Programmes	Choice Based Credit System with semester pattern.

**9. Participation of the department in the courses offered by other departments**

Name of the Programme	Offered by the dept of	Courses offered by the dept. of Civil Engineering
B.E. Civil and Structural Engineering	Civil and Structural Engineering	Surveying, Fluid Mechanics and Hydraulic Machines, Transportation Engineering, Irrigation and Water Power Engineering, Environmental Engineering, Survey Laboratory, Hydraulic Laboratory etc.
B.E Mechanical	Mechanical Engineering	Hydraulic Laboratory.
B.E. Mechanical (Manufacturing)	Manufacturing Engg.	Hydraulic Laboratory.
B.E (EEE)	Electrical Engg.	Hydraulic Laboratory, Fluid Mechanics & Hydraulic Machines
B.E (E&I)	Electronics and Instrumentation Engg.	Hydraulic Laboratory, Fluid Mechanics & Hydraulic Machines
B.Sc. Agri	Faculty of Agriculture	Soil and Water Conservation Engg. (Theory + Practical)
M.Sc. Earth Sciences.	Earth Sciences	Survey Lab.
M.E Disaster Management Engineering	Civil and Structural Engineering	Hydrological and Coastal Disasters, Atmospheric and Wind Driven Disaster

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**



	Sanctioned *	Actual **
Professor	05	7
Associate Professors	06	6
Asst. Professors	07	41

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

### 11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M. Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. A. Murugappan	Ph.D.	Prof. & Head	Hydrology & Water Resources Engg.	27	8
Dr.V.Arutchelvan	Ph.D.	Professor	Environmental Engg.	26	8
Dr.V.Nehrukumar	Ph.D.	Professor	Environmental Engg.	21	9
Dr.S.Poongothai	Ph.D.	Professor	Water Resources Engg.	21	10
Dr..N.Manikumari	Ph.D.	Professor	Water Resources Engg.	20	1
Dr. M. Rajendran	Ph.D.	Professor	Environmental Engg.	19	3
Dr.S.Palanivelraja (Deputed as Coordinator, Equal Opportunity Cell of the University)	Ph.D.	Professor	Air Quality Modeling	16	8
Mr.T.Ramesh	M.E.	Asso. Prof.	Environmental Engg.	19	-
Mr.S.Balakumar	M.E.	Asso. Prof.	Environmental Engg.	18	-
Dr.S.Mohan	Ph.D.	Asso. Prof.	Environmental Engg.	13	1
Mr.S.Gnanakumar	M.E.	Asso. Prof.	Environmental Engg.	16	-
Mr.S.Rajarathinam	M.E.	Asso. Prof.	Environmental Engg.	14	-
Dr.A.Manoharan	M.E.	Reader	Water Resources Engg.	12	-
Mr.G.Senthilkumar	M.E.	Asst. Prof.	Environmental Engg.	14	-
Dr.C.Jodhi	Ph.D.	Asst. Prof.	Environmental Engg.	14	-
Dr.N.Nagarajan	Ph.D.	Asst. Prof.	Water Resources Engg.	13	-
Dr.B.Asha	Ph.D.	Asst. Prof.	Environmental Engg.	13	1
Dr.B.Kumaravel	Ph.D.	Asst. Prof.	Water Resources Engg.	13	2
Dr.K.Karthikeyan	Ph.D.	Asst. Prof.	Water Resources Engg.	13	-
Mr.S.Sivaprakasam	M.E.	Asst. Prof.	Water Resources Engg.	13	-
Ms.K.Ezhisai Vallabi	M.E.	Asst. Prof.	Water Resources Engg.	12	-
Mr.G.Kannan	M.E.	Asst. Prof.	Water Resources Engg.	12	-
Mr.T.Velayutham	M.E.	Asst. Prof.	Water Resources Engg.	12	-
Dr.V.Damodharan	Ph.D	Asst. Prof.	Environmental Engg.	12	2
Mr.N.Ashokkumar	M.E.	Asst. Prof.	Water Resources Engg.	11	-
Mr.R.Mathiyazhagan	M.E.	Asst. Prof.	Water Resources Engg.	11	-
Dr.P.Sivarajan	Ph.D.	Asst. Prof.	Environmental Engg.	11	-
Ms.R.Sheela	M.E.	Asst. Prof.	Environmental Engg.	11	-
Ms.M.Latha	M.E.	Asst. Prof.	Water Resources Engg.	11	-
Dr.N. Ravishankar	Ph.D..	Asst. Prof.	Irrigation Water Management	11	-
Mr.P.S.Saravana Natarajan	M.E.	Asst. Prof.	Environmental Engg.	11	-
Mr.P.Ravi Chandran	M.E.	Asst. Prof.	Environmental Engg.	11	-
Dr.S.Syed Enayathali	Ph.D.	Asst. Prof.	Industrial Safety Engg.	10	-
Ms.T.Inbanila	M.E.	Asst. Prof.	Environmental Engg.	10	-
Mr.K.Balaji	M.E.	Asst. Prof.	Environmental Engg.	10	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Mr.P.Sivaguru	M.E.	Asst. Prof.	Environmental Engg.	9	-
Mr.S.Sankaran	M.E.	Asst. Prof.	Environmental Engg.	9	-
Mr.T.Venkataraman	M.E.	Asst. Prof.	Environmental Engg.	9	-
Mr.T.Kavimani	M.E.	Asst. Prof.	Environmental Engg.	9	-
Mr.Pl.Senthil Kumar	M.E.	Asst. Prof.	Environmental Engg.	9	-
Mr. C.Vengatachalapathy	M.E.	Asst. Prof.	Environmental Engg.	9	-
Mr.S.Sivaprakasam	M.E.	Asst. Prof.	Environmental Engg.	9	-
Mr.M.Velayudha Das	M.E.	Asst. Prof.	Water Resources Engg.	9	-
Mr.J.Mohamed Ashik Ali	M.E.	Asst. Prof.	Water Resources Engg.	9	-
Mr.T. Poonkundran	M.E.	Asst. Prof.	Water Resources Engg.	8	-
Ms.A.Bhuvaneswari	M.E.	Asst. Prof.	Environmental Engg.	7	-
Ms.S.Devi	M.E.	Asst. Prof.	Environmental Engg.	7	-
Mr.U.K.Eniyon	M.E.	Asst. Prof.	Environmental Engg.	6	-
Mr.G.Neelagandan	M.E.	Asst. Prof.	Water Resources Engg.	5	-
Mr. R.M. Balaguru	M.E.	Asst. Prof.	Water Resources Engg.	5	-
Ms. G. Sivagamasundari	M.E.	Asst. Prof.	Water Resources Engg.	4	-
Mr. M. Iyyappan	M.E.	Asst. Prof.	Water Resources Engg.	4	-
Ms. N. Silambarasi	M.E.	Asst. Prof.	Environmental Engg.	4	-
Mr. R.S. Saravanan	M.E.	Asst. Prof.	Water Resources Engg.	4	-

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors-** Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information** Nil

**14. Programme-wise Student Teacher Ratio**

Name of programme	Student Teacher Ratio
B.E. Civil	40:1
M.E.	2 : 1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Actual
Technical Staff	60
Administrative Staff	7

**16. Research thrust areas recognized by funding agencies**

**Water Resources Engineering and Management**

Emphasis on Surface and Groundwater development and management, Fundamental research on estimation of hydrological parameters, Operation and management of Irrigation systems, Watershed management, Rainwater Harvesting, Climate change and its impacts on water resources, Command area development and management, Application of soft computing techniques in Water Resources Engineering and Management.

Use of Remote Sensing & GIS in spatial modeling of quantitative and qualitative assessment of surface and ground water, Use of Geo-Resistivity survey for Groundwater exploration.

**Environmental Engineering**

Lays stress on the importance of Environmental Engineering, fundamental research on treatment of industrial and hazardous waste waters, air quality monitoring and modeling, monitoring groundwater quality and solid waste management.

The Department of Civil Engineering has the advantage of having *in-house laboratories for Environmental Analysis*. All types of samples of Water, Wastewater and Soil can be analyzed for any Standard Environmental Protocols and Procedures.

The Centre for Environment, Health & Safety (CEHS), an integral part of Department of Civil Engineering, is an intellect infrastructure for Environmental Engineering Studies, research, training and consultancy.

CEHS has already applied to Ministry of Environment and & Forests to get accreditation as EIA consulting Organization through National Accreditation Board for Education and Training (NABET), Quality Council for India. CEHS was already listed and permitted to do EIA studies by NABET.

CEHS is looking forward for the approval from MoEF as EIA consultants for *13 Industrial Sectors*, ranging from Cement to Steel and Infrastructures to Port.

CEHS can provide detailed engineering for all types of Environmental Infrastructure like Water Treatment Plants, Effluent Treatment Plants, Emission Cleaning Systems and Solid waste Management Systems.

The Centre has completed Industrial consultancy works worth about Rs 52 lakhs in the last One year and also pursuing works for another Rs 315 lakhs.

Under UGC & UGC SAP, the Department has received 26 Lakhs under the UGC SAP for the period 2009-2014. Further the UGC granted a sum of Rs. 40 Lakhs (in two equal installments of Rs. 20 lakhs each) for strengthening of infrastructure and for promoting research.

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Name of the project	Name of the Investigator	Funding Agency	Period	Amount
Site Specific Characterization and Validation of atmospheric Dispersion Model by Tracer Release Experiments.	Dr. M. Rajendran	IGCAR-Kalpakkam	3 Years	Rs.29,14,000/-
Rainwater Harvesting in Veeranam catchment.	Dr. M. Rajendran	MoWR	3 years	Rs.33,39,000/-
Development of Evaluation of Multiplume Gaussian Diffusion Model Intended for Air Quality Regulatory Purposes.	Dr. S. Palanivelraja	TNPCB	1 year	Rs. 4,00,000/-
Integrated Farming – Rainwater harvesting –Recharge Groundwater – Preventing Seawater Intrusion.	Dr. V. Arutchelvan	DST, Govt. of India.	2 years	Rs.16,75,000/-

**18. Inter-institutional collaborative projects and grants received**

**a) All India collaboration**

S. No.	Name of the project	Name of the Investigator	Funding Agency	Period	Amount
1	Site Specific Characterization and Validation of atmospheric Dispersion Model by Tracer Release Experiments.	Dr. M. Rajendran	IGCAR-Kalpakkam	3 Years	Rs. 29,14,000/-

**b) International:** Nil

### 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.

UGC- SAP	Rs. 26 Lakhs (15 Lakhs Non-recurring + 11 Lakhs Recurring)
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### 20. Research facility / centre with

- State recognition: Nil
- National recognition: Centre for Environment, Health and Safety, Recognized by MoEF duly accredited by NABET
- International recognition : Nil

### 21. Special research laboratories sponsored by / created by industry or corporate bodies - Nil

### 22. Publications:

- Number of papers published in peer reviewed journals (national / international) : 86
- Monographs : Nil
- Chapters in Books : Nil
- Edited Books : Nil
- Books with ISBN with details of publishers : Nil
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : 70
- Citation Index - range / average : 2 - 104 / 11
- SNIP : 0 - 2.410 / 0.950
- SJR : 0.112 - 2.112 / 0.414
- Impact Factor - range / average : 0.01- 4.84
- h-index - range : 5.05 to 25

### 23. Details of patents and income generated : Nil

### 24. Areas of consultancy and income generated

Name of Project	Principal Investigator/ Co Principal Investigator	Funding Agency	Period	Consultancy Fee	Status
Risk Analysis & Risk Management Plan Veerapandi CETP, Tiruppur	Dr. R. Saravanan Dr. S. Mohan	Veerapandi CETP, Tiruppur	2009- 2010	3,00,000/-	Completed
Risk Analysis & Risk Management Plan Karaipudur CETP, Tiruppur	Dr.Rm.Meyyappan	Karaipudur CETP, Tiruppur	2009- 2010	3,00,000/-	Completed
Risk Analysis & Risk Management Plan Mannarai CETP, Tiruppur	Dr.Rm.Meyyappan	Mannarai CETP, Tiruppur	2009- 2010	3,00,000/-	Completed
Risk Analysis & Risk Management Plan Andipalayam CETP, Tiruppur	Dr. S. Mohan Dr. R. Saravanan	Andipalayam CETP, Tiruppur	2009- 2010	3,00,000/-	Completed
Risk Analysis & Risk Management Plan Angeripalayam CETP, Tiruppur	Dr. V. Nehru kumar Dr. R. Saravanan	Angeripalayam CETP, Tiruppur	2009- 2010	3,00,000/-	Completed

Name of Project	Principal Investigator/ Co Principal Investigator	Funding Agency	Period	Consultancy Fee	Status
Risk Analysis for M/s. Pondicherry Nitrous Oxide Pvt. Ltd., Puducherry	Dr. R. Saravanan	M/s. Pondicherry Nitrous Oxide Pvt. Ltd., Puducherry	2009-2010	50,000/-	Completed
GPS. Maps info Consultancy for Veerapondi CETP, Tiruppur	Mr. T. Ramesh	Veerapondi CETP, Tiruppur	2009-2010	2,50,000/-	Completed
GPS. Maps info Consultancy for Mannarai CETP, Tiruppur	Mr. K. Balaji	Mannarai CETP, Tiruppur	2009-2010	1,50,000/-	Completed
GPS. Maps info Consultancy for Andipalayam CETP, Tiruppur	Mr. S. Syed Enayathali	Andipalayam CETP, Tiruppur	2009-2010	1,50,000/-	Completed
ETP - Augmentation Consultancy as Project management Consultants for M/s. Ponlait, Puducherry.	Dr. V. Nehrukumar	M/s. Ponlait, Puducherry.	2009-2010	2,50,000/-	Completed
EIA/EMP for SIPCOT Industrial Park, Thervoykandigai, Chennai	Dr. V. Nehru kumar	SIPCOT Government of Tamilnadu Chennai	2009-2010	7,50,000/-	Completed
EIA / EMP for SIPCOT Industrial Park, Pillaipakkam, Chennai.	Dr. V. Nehru kumar	SIPCOT, Govt. of Tamilnadu, Chennai	2009-2010	4,50,000/-	Completed
AAQM for Three Project FLC Project locations	Dr. S. Palanivel raja	WAPCOS, New Delhi	2009-2010	2,00,000/-	Completed
EIA / EMP for M/s. Marg. Port, Mugayur	Dr. V. Nehru kumar	Marg Swarnaboomi. Chennai	2010-2011	20,00,000/-	On-Going
AAQM for Cheyyur Power Project	Dr.S.Mohan	WAPCOS, New Delhi	2011-2012	4,00,000/=	Completed
Multi Plume Air Quality Model Development for Regulatory purposes	Dr.S.Palanivel raja	TamilNadu Pollution Control Board	2011-2012	4,00,000/=	On-Going
Additional Environmental Studies for EIA towards Fishing Harbor at Poombuhar	Dr.S.Palanivel raja Dr.S.Mohan	Department of Fisheries Government of Tamilnadu	2011-2012	2,00,000/=	On-Going
INTER SECTORAL EIA for ICZMA for Tamilnadu Coast	Dr.V.Nehru Kumar	DHI India, Directorate of Environment, Govt of Tamilnadu	2011-2012	29,00,000/=	On-Going
Augmentation Methodology for the Existing Common Effluent Treatment Plant & Technical Arbtration for Angeripalayam CETP, Tiruppur	Dr.V.Nehru Kumar Dr.G.B.JaiPrakash Narain( Empanelled Expert)	Angeripalayam CETP, Tiruppur	2012-13	10,00,000/=	On -Going
Vallam-Vaipar Industrial Park, Sriperumpudur Taluk, Kanjeeपुरam Dt.	Dr.V.Nehru Kumar Dr.R.Saravanan	SIPCOT ,Govt of Tamilnadu	2012-13	6,00,000/=	On-going

Name of Project	Principal Investigator/ Co Principal Investigator	Funding Agency	Period	Consultancy Fee	Status
Vaipur-Mathur Industrial Park, Sriperumpudur Taluk, Kanjeeपुरam District	Dr.V.Nehru Kumar Dr.S.Palanivel raja	SIPCOT ,Govt of Tamilnadu	2012-13	6,00,000/=	On-going
Pazhayar Fishing Harbor-Environmental Monitoring for three project locations	Dr.S.Palanivelraja	Department of Fisheries through Three Pvt Companies	2012-13	3,60,000/=	Completed
Environmental Monitoring- Aster Infra, Diaphram&Retaining Wall Project, Nagapattinam	Dr.V.Nehru Kumar Dr.S.Palanivel raja	Aster Infra	2012-13	1,60,000/=	On-going
Environmental Monitoring- Aster Infra, Diaphram&Retaining Wall Project, Nagapattinam	Dr.V.Nehru Kumar Dr.S.Palanivel raja	Aster Infra	2012-13	1,60,000/=	On-going
Disaster/ Risk Management Plan Poompuhar Fishing Harbour	Dr.R.Saravanan	Department of Fisheries through Three Pvt Companies	2012-13	1,00,000/=	On-going
Environmental Consultancy-Building Projects	Dr.G.Srinivasan Mr.Sivaprakasam	P dot G Constructions Chennai	2012-13	2,50,000/=	On-going
EIA for TSDf at Mysore	Dr.V.Nehru Kumar Dr.B.B.Jaiprakash Narain	Mysore Eco Technologies, Mysore	2012-13	6,00,000/=	On-going
EIA for Shoreline Protection Works In Villupuram Coastline	Dr.V.Nehru Kumar Dr.S.Thayumanavan	PWD/WRO/ Villupuram	2012-13	37,00,000/=	On-going
EIA for Shoreline Protection Works In Nagapattinam Coastline	Dr.V.Nehru Kumar Dr.S.Thayumanavan	PWD/WRO/ Mayiladuthurai	2012-13	40,00,000/=	On-going
EIA for Shoreline Protection Works In Cuddalore Coastline	Dr.V.Nehru Kumar Dr.S.Thayumanavan	PWD/WRO/ Vridhachalam	2012-13	30,00,000/=	On-going
Coastal Baseline data and Modelling for Tanjore Coastline	Dr.V.Nehru Kumar Dr.S.Thayumanavan	PWD/WRO/Tanjore	2012-13	30,00,000/=	On-going
EIA for VOC Port-Capacity Expansion Project	Dr.V.Nehru Kumar Dr.S.Thayumanavan	VOC Port Trust Tuticorin	2013-14	45,00,000/=	On-going
EIA for CETP/ Apriocot Realtors, Chennai	Dr.V.Nehru Kumar Dr.B.B.Jaiprakash Narain	Acendas, Chennai	2013-14	23,60,000/=	On-going
EIA for Ice Factories towards CRZ Clearance, Thirumullaivasal	Dr.V.Nehru Kumar Dr.S.Thayumanavan	Suresh & Muthu Kumar Ice Factories Thirumullaivasal	2013-14	6,00,000/=	On-going
CRZ Clearance for VOC Port	Dr.V.Nehru Kumar Dr.S.Thayumanavan	VOC Port Trust Tuticorin	2013-14	15,00,000/=	On-going
Bay Characterization/Haji Ali Bay, Mumbai	Dr.V.Nehru Kumar Dr.S.Thayumanavan	HBS View Bombay	2014-15	6,00,000/=	Completed

## 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad : - Nil

## 26. Faculty serving in

### a) National committees

#### Dr. A. Murugappan

- Member, Executive Committee of Indian Association of Hydrologists, Roorkee from 2010 December to 2012 December.
- Expert Member - Irrigation Research Advisory Committee, Constituted by PWD, Tamilnadu.

#### Dr. V. Nehru kumar,

- Expert Member - CPCB, New Delhi, constituted Committee on CEPI
- Expert Member - Committee on Plastic Waste Management
- Technical Member - District Environmental Committee, Cuddalore

### b) International committees: Nil

### c) Editorial Boards

Dr. A. Murugappan, Professor & Head, and Dr. V. Arutchelvan, Professor of Civil Engineering serving as a member of Editorial Boards in different reputed International Journals.

### d) any other (please specify): Some of the senior faculties in the Department are serving as follows:

Expert Members - Board of Selection (Other institutions)

Referees - Peer Reviewed International Journals

Members - Board of Studies (many institutions)

Members - Board of Examinations (many institutions)

Members - Doctoral Committee (Other institutions)

## 27. Faculty recharging strategies:

Faculties are encouraged to participate in seminars, conferences, workshops, STTPs, Summer/winter schools, and Training programmes.

## 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects: - 100%
- percentage of students doing projects in collaboration with other universities / industry / institute : - Nil

## 29. Awards / recognitions received at the national and international level by Faculty

### Best Paper Awards

- The research article titled "Study on Variability in Certain Meteorological Parameters in Cuddalore District, Tamilnadu State, India", authored by Sivaprakasam, S and Murugappan, A., in the International Conference on Recent Advances in Space Technology services & Climate Change (RSTS&CC-2010), organized by Sathyabama University, Chennai, in association with Indian Space Research Organization (ISRO), Bangalore, IEEE and Indian Society of Remote Sensing (ISRS), 13<sup>th</sup> to 15<sup>th</sup> November 2010, was given the Best Paper Award.

- The research article titled “Fuzzy model for Optimal operation of a Tank irrigation system”, authored by Manikumari N. and Murugappan. A, in the 36<sup>th</sup> National Systems Conference organized by the Department of Electronics and Instrumentation Engg, Faculty of Engineering & Technology, Annamalai University, Annamalainagar, under auspices of System Society of India, December 6 – 8, 2012,- was given the Best Paper Award.

**Doctoral/ post doctoral fellows:** Nil

**Students:** Nil

### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Year	Name of Seminar / Conference / Workshop	Source of Funding
2007	National Workshop on “Nanotechnology: Environmental Implications and Solutions” on 9-10 March 2007	UGC
2008	National seminar on “Spatial Modeling and Soft Computing in Water Resources Management” on 14-15, March 2008	UGC
2010	National Conference on “Sustainable Community construction Concepts for Evolving the Slums” on 20-21, February 2010.	UGC
2012	National Conference on “Global perspectives on water resources and environment” on 22-23, March 2012.	UGC
2013	National Conference on “Sustainable Municipal Solid Waste Management Practices and Regulations - A Viable Approach” during 21st February and 22nd February 2013.	---

### 31. Code of ethics for research followed by the departments:

The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices (GRP).

All researchers follow the standard procedures for conducting research laid down by relevant scientific and professional bodies.

Researchers are aware and comply with the ethical and legal requirements relating to disclosures of personal information, biodiversity protection before undertaking research.

### 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.E Civil (Full time)	912	690	64	37	73
B.E. Civil (Part time)	30	25	00	76	---
M.E. Environmental Engineering (Full time)	11	5	1	4	1
M.E. Environmental Engineering (Part time)	32	23	2	100	100
M.E. (Water Resources Engineering and Management) (Full time)					
M.E. (Water Resources Engineering and Management) (Part time)	9	6	1	100	100

### 33. Diversity of students (5 years)

Name of the Course (refer to question no.4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
P.G.	31%	56%	13%	---

### 34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

About 25 Nos. of students have cleared GATE Examination.



### 35. Student progression

Student progression		Percentage against enrolled
UG to PG		Less than 20%
PG to M.Phil.		Not Applicable
PG to Ph.D.		Less than 10%
Ph.D. to Post-Doctoral		Less than 5%
Employed	<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	Less than 10% More than 60%
Entrepreneurs		

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	70%
from other universities within the State	30%
from universities from other States	NIL
from universities outside the country	NIL

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: - 17 (Seventeen)**

### 38. Present details of infrastructural facilities with regard to

#### a) Library (Department Level only)

##### Print (books, back volumes and theses)

##### Books

Donated by B.E/P.T 2006 -2009	: 98
Donated by B.E/P.T 2007 -2010	: 6
Donated by student Mohamed Yousaf 2006 -2011	: 5
Donated by students P.Udayakumar, P.Prabu of 2007 -2011	: 6
B.E. Desertation	: 974
M.E. Desertation	: 375
Ph.D. Theses	: 27

b) Internet facilities for staff and students : 8 Points

c) Total number of class rooms : 15 Halls

d) Class rooms with ICT facility : Nil

e) Students' laboratories : 5

f) Research laboratories : 2

### 39. List of doctoral, post-doctoral students and Research Associates

#### a) from the host university : Ph.D.

Names of Students	Names of Students	Names of Students
Mr.V.Damodaran	Mr. S. Sivaprakasam	Ms. T. Inbanila
Ms.N.Manikumari	Mr. S. Balakumar	Mr. M. Sivakumar
Mr.M.Senthilkumar	Mr. K. Srinivasan	Mr. J. Mohamed Ashik Ali
Mr.K.I.Manirathnam	Mr. K. Balaji	Ms. A. Bhuvaneswari
Mr.D.Selvakumar	Mr. S. Rajarathinam	Ms. S. Devi
Mr.G.Gnapragasam	Mr. K. R. Venkatesh	Mr. U. K. Eniyon
Mr.C.C.Monson	Mr. S. Sankaran	Mr. T. Venkataraman
Mr.B. Kumaravel	Mr. S. Gnanakumar	Mr. G. Neelagandan
Mr. P. Sivarajan	Mr. G. Senthilkumar	Mr. M. Iyyappan
C. Jodhi	Mr. R. Mathiyazhagan	Mr. R. Jayamurugan
K. Karthikeyan	Mr. T. Velayudham	Mr. Chandrasekaran
N. Nagarajan	Mr. N. Ashokkumar	Ms. S. Reka
S. Syed Enayathali	Ms. R. Sheela	Mr. B. Vinodhkumar
A. Manoharan	Ms. K. Ezhisaivallabi	Mr. S. Carmel Jawahar
Mr. T. Ramesh	Ms. M. Latha	Ms. S. Poongodi

b) from other universities :

Names of Students	Names of Students	Names of Students
Ms.B.Asha	Mr. N. Ravisankar	Mr. Amarnath Shetty
Mr.G.Gnapragasam	Ms. K. S. Babai	Mr. S. Kandasamy
Mr.C.Puthiyasekar	Ms. D. Deepa	Edwin D Thangam
Mr.S.Selvan		

Post-doctoral student: Dr. S. Palanivelraja

**40. Number of post graduate students getting financial assistance from the university?** Nil

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.** - Nil

**42. Does the department obtain feedback from**

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Academic members from Board of Studies represent for revision of curriculum based on need. Feedback from faculty is also incorporated in curriculum as well as teaching-learning-evaluation.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Feedback is obtained from students and it is accordingly used to counsel the respective teacher.

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

Feedback from Alumni is also incorporated in curriculum as well as teaching-learning-evaluation.

**43. List the distinguished alumni of the department (maximum 10)**

1. Dr. R. Janardhanam – Professor, North Carolina University at Charlotte, USA
2. Thiru. V. Kannappan – Industrialist, Tiruchirappalli
3. Er. A.C. Kamaraj – Chairman, NAWAD Council
4. Er. E. Harikrishnan – Indian Administrative Service
5. Dr. Samidurai – Registrar (Former), I I T Madras, Chennai
6. Mr. N. Venkatachalam – Former Director, Town Planning Authority Tamil Nadu State Government
7. Mr.R.Paranthaman – Chief Engineer (Retd), PWD, Tamil Nadu State
8. Dr.K.R.Ranganathan – Member Secretary (Retd), Central Pollution Control Board
9. Dr.R.C.Janagarajan – Registrar (Former), I I T Madras, Professor Emeritus, Anna University
10. Mr.S.Sivaraman – Chief Engineer General (Retd.), PWD, Tamil Nadu State

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

**Special lectures**

1. Prof. M. Ramalingam Endowment Lecture: Dr. S. Sivamurthy Reddy, Professor of Civil Engineering, Department of Civil Engineering, Pondicherry Engineering College, has delivered a special lecture on “High Performance Concrete with Special Reference to Characteristic of Aggregates” at 10.30 am on Wednesday, 09<sup>th</sup> March 2011 at AUMTEC’71 Hall

2. Er. Alagappan L, (B.E Civil 2008 Batch, Annamalai University), Assistant Construction Manager, L & T Limited, Chennai, delivered a special lecture on 13<sup>th</sup> March between 3.00 pm and 4.30 pm in the Department Seminar Hall.
3. A special lecture on *“Concrete Mix design”* delivered by Dr. RM. Senthamarai, Professor of Civil and Structural Engineering, on Friday 18<sup>th</sup> September 2009 between 9.15 and 10.55 am in the Seminar Hall of Department of Civil Engineering.
4. A Special lecture on *“Overview on Hydropower Plant”* by Er. L. Alagappan, Senior Engineer L & T, on 13<sup>th</sup> September 2010 between 1.15 pm. and 2.15 pm. for VII semester A batch and 2.30 pm. to 3.30 pm. for VII semester B batch in the Seminar Hall of Department of Civil Engineering.
5. Er. A.C. Kamaraj (Chairman, NAWAD Council, Madurai), delivered a Special Lecture on *“Economic Development and Employment Opportunities for Civil Engineers”* at 3.15 pm. on Wednesday, 11<sup>th</sup> August 2010 in AUMTEC’ 71 Hall.
6. Dr. M.V. Ramanamurthy, Senior Scientist, NIOT, Pallikaranai, Chennai, will deliver a special lecture on *“Challenges in Design & Construction of Desalination Structures Lakshadweep Island”* on Wednesday, 24<sup>th</sup> July 2013 between 2.45 pm and 4.00 pm in the AU FEAT 60 Golden Jubilee Reunion (GJR) Hall.
7. 7 Dr. Mathimaran Natarajan, Research Associate and Teaching Assistant, University of Basel, Switzerland gave a Special Lecture on *“Bioirrigation”* on 8<sup>th</sup> January 2014 in the AU FEAT 60 Golden Jubilee Reunion (GJR) Hall.
8. Dr. A.S.S. Sekar, Professor of Civil Engineering, ACCET, Karaikudi delivered a Special Lecture on *“Self Motivation”* on 26<sup>th</sup> September 2013.
9. Dr. M.P.Chockalingam, Former Professor and Head, Department of Civil Engineering delivered a Special Lecture on *“Opportunities for Higher Studies in USA”* on 18<sup>th</sup> February 2014 in the AU FEAT 60 between 2.45 pm and 4.00 pm in the Golden Jubilee Reunion (GJR) Hall.

#### **45. List the teaching methods adopted by the faculty for different programmes.**

Chalk Board, Over Head Projection, Power Point Presentation

#### **46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Mid-Term Tests, Assignments and Seminars

#### **47. Highlight the participation of students and faculty in extension activities.**

The surface and ground water quality at various places in and around Chidambaram were monitored periodically by the students as a part of extension activity.

Awareness was created to people by public participation through conferences conducted by the department for proper solid waste management practices.

#### **48. Give details of “beyond syllabus scholarly activities” of the department.**

Educational Tours, Industrial Visits, Survey Camps, Visit to Irrigation Structures etc.

#### **49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

Centre for Environment, Health and Safety, an integral part of the Department of Civil Engineering is NABET / QCI accredited and EIA Consulting Organization for Ministry of Environment and Forest, Govt. of India.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.** Nil

**51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

### Strengths

- The flair for research has increased manifold since last accreditation in the form of Ph.D.
- Research activities have promoted the Department to achieve UGC-SAP DRS-Level-I.
- Increase of Research publications in peer-reviewed, indexed international and national journals.
- Environmental Engineering is one of the thrust areas of research has earned consultancy projects worth Rs.3.67 Crores.
- Most of the students are absorbed for jobs through on-campus and off-campus placements.

### Weaknesses

- The staff-student ratio is at 1:40 against the AICTE recommended 1:15.
- The teaching work load is pretty high compared to that recommended by AICTE.
- Lack of sufficient in-house computing facilities to cater to the increased student
- Lack of adequate space and infrastructure for expansion of laboratories.
- Lack of expertise among faculty for teaching advanced applications like Transportation Engineering, Town planning and Architecture.

### Opportunities

- Once the student strength reduces to manageable levels, the teachers can focus further on research and garner more research projects.
- Scope for extension of the research carried to reach the society.
- The teachers are being self-motivated in the need for writing text books.
- Scope for starting inter-disciplinary programmes with Department of Earth Sciences and Faculty of Agriculture.
- Scope for inter-disciplinary research with Department of Earth Sciences and Faculty of Agriculture with focus on climate change and sustainable livelihood.

### Challenges

- Improve the attitude to learning, basic writing and communication skills, etc., among the students.
- Providing more on-campus placements.
- Development of new laboratories and expansion of existing laboratories due to spatial limitations.
- Student counseling is has to be focused for inculcation of values.

**52. Future plans of the department.**

- To plan for commencing new M.E degree programme in Remote Sensing and GIS.
- To starting inter-disciplinary programmes with Department of Earth Sciences and Faculty of Agriculture.

## DEPARTMENT OF CIVIL & STRUCTURAL ENGINEERING

**1. Name of the Department:** - Civil and Structural Engineering

**2. Year of establishment:** - 1978

**3. Is the Department part of a School/Faculty of the university?**

Yes, Faculty of Engineering & Technology

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**

U.G.: B.E (Civil & Structural Engineering)

P.G.: M.E (Structural Engineering); M.E ( Geotechnical Engineering)  
M.E (Construction Engg. & Mgt.); M.E (Disaster Management & Engg.)

Ph.D.: Structural Engineering

**Note:**

1) M.E Structural Engineering programme was offered first time in the country by the Civil Engineering Section of the Department of Engineering in the year 1953-54.

2) UGC has sanctioned Rs.40.00 lakhs to start a new M.E. Programme in Disaster Management and Engineering first time in the country from the academic year 2007-08.

**5. Interdisciplinary courses and departments involved**

Programme	Department
M.E (Construction Engineering and Management)	Department of Business Administration
M.E (Construction Engineering and Management)	Department of Business Administration
M.E (Construction Engineering and Management)	Department of Business Administration
M.E (Disaster Management and Engineering)	Department of Earth Science
M.E (Disaster Management and Engineering)	Department of Sociology
M.E (Construction Engineering and Management)	Department of Civil Engg.

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.:** - Nil

**7. Details of programmes / courses discontinued, if any, with reasons:** - Nil

**8. Annual/ Semester/Choice Based Credit System:** -

Choice Based Credit System

**9. Participation of the department in the courses offered by other departments:**

- B.E. (Civil)                      ➤ B.E. (Mechanical)                      ➤ B. E. Mechanical (Manufacturing)
- B.E. (Chemical)                      ➤ B.E. (Electrical)                      ➤ B.E. (Electronics and Instrumentation)

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned *	Actual **
Professor	04	10
Associate Professors	08	2
Asst. Professors	07	26

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

### 11. Faculty profile with name, qualification, designation and specialisation (D.Sc. / D.Litt. / Ph.D. / M.Phil. etc.)

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of PhD students Guided for the last 4 years
Dr. G. Mohankumar	Ph.D	Professor & Head (from 27.11.2013)	Structural Engineering	36	1
Dr. C. Antony Jeyasehar	Ph.D.	Professor & Head (till 26.11.2013)	Structural Engineering	28	6
Dr. P.N. Raghunath	Ph.D	Professor	Structural Engineering	30	5
Prof. A. K. Ramakrishnan	M.E.	Professor	Geotechnical Engg	36	-
Dr. Rm. Senthamarai	Ph.D	Professor	Structural Engineering	32	-
Dr.A.Rajasekaran (on lien)	Ph.D	Professor	Structural Engineering	32	-
Dr. G. Kumaran	Ph.D	Professor	Structural Engineering	20	3
Dr. K. Suguna	Ph.D	Professor	Structural Engineering	20	3
Dr. B. Vidivelli	Ph.D	Professor	Structural Engineering	23	3
Dr. B. Palani	Ph.D	Professor	Structural Engineering	20	-
Dr. R. Baskar	Ph.D	Associate Professor	Structural Engineering	15	-
Dr.S.Thirugnanasambandam	Ph.D	Associate Professor	Structural Engineering	15	1
Dr. G. Srinivasan	Ph.D	Assistant Professor	Geotechnical Engg	15	-
Dr. K. Natarajan	Ph.D.	Assistant Professor	Geotechnical Engg	15	-
Mr. P. Palson	M.E.	Assistant Professor	Structural Engineering	14	-
Dr. R. Balamuralikrishnan (on lien)	Ph.D.	Assistant Professor	Structural Engineering	13	-
Dr. R. Sivagamasundari	Ph.D	Assistant Professor	Structural Engineering	13	-
Mr. K. Ravichandran	M.E.	Assistant Professor	Structural Engineering	13	-
Mr. R. Murugan	M.E.	Assistant Professor	Structural Engineering	13	-
Dr. J. Saravanan	Ph.D.	Assistant Professor	Structural Engineering	13	-
Mr. D. Gopinath	M.E.	Assistant Professor	Structural Engineering	12	-
Mr. R.S. Ravichandran	M.E.	Assistant Professor	Structural Engineering	12	-
Mr. M. Purushothaman (EoL)	M.E.	Assistant Professor	Structural Engineering	11	-
Mr. J. Saravanan	M.E.	Assistant Professor	Structural Engineering	11	-
Mr. V. Madhavan	M.E.	Assistant Professor	Structural Engineering	10	-
Mr. B. Kanagasabai	M.E.	Assistant Professor	Construction Engg & Management	10	-
Dr. A. Deiveegan	Ph.D.	Assistant Professor	Structural Engineering	10	-
Mr. M.P. Venkatesh	M.E.	Assistant Professor	Construction Engg & Management	10	-
Dr. S. Kamal	Ph.D.	Assistant Professor	Construction Engg & Management	10	-
Dr. D. Rajkumar	Ph.D.	Assistant Professor	Structural Engineering	10	-
Mr. G. Balasivasankar	M.E.	Assistant Professor	Structural Engineering	9	-
Ms.R.Devasena	M.E.	Assistant Professor	Structural Engineering	7	-
Dr. K. Sumangala	Ph.D	Assistant Professor	Structural Engineering	7	-
Mr.Illango Sivakumar	M.E.	Assistant Professor	Disaster Management & Engineering	6	-
Mr.S.Kumaravel	M.E.	Assistant Professor	Structural Engineering	6	-
Mr.S.Selvamuthukumar	M.E.	Assistant Professor	Construction Engg. & Management	6	-
Dr. P. Valli	Ph.D.	Assistant Professor	Construction Engg. & Management	6	-
Mr. V. Sathish Kumar	M.E.	Assistant Professor	Construction Engg. & Management	5	-
Ms. S.Arunmozhi	M.E.	Assistant Professor	Construction Engg. & Management	4	-

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:- Nil**

**13. Percentage of classes taken by temporary faculty – programme-wise information:- Nil**

**14. Programme-wise Student Teacher Ratio**

Programme	Staff Student Ratio
B.E (Civil & Structural Engineering)	1:20
M.E (Structural Engineering)	1:10
M.E ( Geotechnical Engineering)	
M.E (Construction Engg. & Mgt.)	
M.E (Disaster Management & Engg.)	

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	Actual
Technical Staff	41
Administrative Staff	13

**16. Research thrust areas recognized by funding agencies:**

Retrofitting and Rehabilitation, Geo polymer composites, Fibre reinforced composites, etc.

Principal Coordinator	Project Title	Funding Agency	Year of Sanction	Amount Sanctioned Rs.
Dr. C. Antony Jeyasehar	Strengthening of Scientific Research in Indian Universities	UGC(NON SAP), New Delhi	2008-09	10,00,000
Professor and Head	Wind Tower commissioning and errction at Port Nova, (Parangipettai).	CSIR-SERC, Chennai	2011-12	10,00,000

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

**a) National**

Principal Investigator	Project Title	Funding Agency	Year of Sanction	Amount Sanctioned Rs.
Dr.K.Suguna Professor	Surface Mounted Non-Metallic Fibre Composite reinforcement for Rehabilitation of Corrosion Damaged High Performance Concrete Columns	UGC - Major Research Project, New Delhi	2007-08	9,27,000
Dr. C. Antony Jeyasehar Professor & Head	Development of Fly Ash based Geopolymer concrete Precast Elements	Ministry of Environment & Forests Government of India, New Delhi	2008-09	53,48,650
Dr.G.Kumaran, Professor	Behaviour of Concrete Members reinforced internally with GFRP reinforcements under cyclic loading	UGC - MRP, New Delhi	2008- 09	9,87,000
Dr.G.Kumaran, Professor	Behaviour of Concrete Members reinforced with Non Corrosive reinforcements under Cyclic Loading	AICTE, New Delhi	2008-09	7,50,000
Dr. B. Palani Professor	Seismic Retrofitting of R.C. Columns using High Performance Ferrocement	AICTE, New Delhi	2010-12	6,00,000

**b) International :Nil**

**c) Total grants received: Rs. 70, 85,656/-**

## 18. Inter-institutional collaborative projects and grants received

a) All India collaboration: - Wind Tower Commissioning And Errction At Port Nova, (Parangipettai), Csir-Serc, Chennai, 2011-12, Rs.10, 00,000/-

b) International: Nil

## 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:

Principal Coordinator	Project Title	Funding Agency	Year of Sanction	Amount Sanctioned Rs.
Dr.C.Antony Jeyasehar Professor and Head	Fund for Improvement of S & T Infrastructure in Unversities	DST - FIST Govt. of India (Level-1)	2006-07	1,06,50,000
Dr.C.Antony Jeyasehar Professor and Head	Strengthening of Scientific Research in Indian Universities	UGC (NON SAP) New Delhi	2008-09	10,00,000
Dr.C.Antony Jeyasehar Professor & Head	Wind Tower commissioning and errction at Port Nova, (Parangipettai).	CSIR-SERC, Chennai	2011-12	10,00,000

## 20. Research facility / centre with:

- State recognition: Earth Quake Engineering Laboratory, Hydraulic Actuator Facility
- National recognition : Hydraulic Actuator Facility
- International recognition : Hydraulic Actuator Facility

## 21. Special research laboratories sponsored by / created by industry or corporate bodies:

Wind speed monitoring facility at East Coast (Marine Biology campus of Annamalai University) by CSIR - Structural Engineering Research Centre, Chennai.

## 22. Publications:

- Number of Papers published in peer reviewed journals (national/ international):  
102 (Annexure - I)
- Monographs : Nil
- Chapters in Books : Nil
- Edited Books

Editors	Title	Publisher	ISBN/ISSN Number	Year
Dr.C.Antony Jeyasehar, Nagesh R. Iyer RM.Senthamarai A. Rajasekaran	Proceedings of the Seventh Structural Engineering Convention SEC2010	Allied Publishers Pvt. Ltd. New Delhi	ISBN978-81-84-24-647-6(vol.1), ISBN978-81-84-24-648-3(vol.2)	2010
Dr. Antony Jeyasehar Dr. S. Thirugnana sambandam	International Workshop on Geopolymer Workshop proceedings	Allied Publishers Pvt. Ltd. New Delhi	ISBN978-81-84-24-647-8	2010

- Books with ISBN with details of publishers:

Authors	Title	Publisher	ISBN/ISSN Number	Year
Dr.B.Vidivelli	Rehabilitation of concrete Structures	Standard Publishers Distributors, New Delhi	ISBN:81-8014-110-1	2007

- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): Nil



- Citation Index - range / average : 2-5 / 3
- SNIP:
- SJR:
- Impact Factor - range / average : 1-2.5 / 1.25
- h-index :

**23. Details of patents and income generated: - Nil**

**24. Areas of consultancy and income generated**

Planning and Design of all types of structures, Material testing of all engineering materials, Soil testing and investigation, Foundation design.

Income: Rs.6 lakhs per annum

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: - Dr. C. Antony Jeyasehar, Mts Laboratories, Minneapolis, USA, May-2008**

**26. Faculty serving in (a) National committees b) International committees c) Editorial Boards d) any other (please specify):**

Board of studies in other institutions, Member of Doctoral Committee in other institutions, Reviewer for national journals, Institution of Engineers,

(a) National committees: - Dr.C.Antony Jeyasehar, Research Council Member Csir-Serc

(b) Editorial Boards : - Dr.C.Antony Jeyasehar, Journal of Ferrocement, Bangkok, Thailand

(c) Board of Studies : -

1. Dr. C. Antony Jeyasehar : SASTRA, Thanjavur – Periyar Maniammai University, Thanjavur – Noorul Islam University, Nagarcoil – KSR Engineering College (Autonomous), Thiruchengode
2. Dr. P.N. Raghunath: Anna University, Coimbatore – Periyar Maniammai University, Thanjavur
3. Dr.B.Vidivelli : Anna University, Trichy, Coimbatore and Chennai

(d) any other

Doctoral committee

1. Dr. C. Antony Jeyasehar, Anna University, Chennai and Coimbatore
2. Dr. P.N. Raghunath, Anna University, Chennai and Coimbatore
3. Dr. G. Mohankumar, Anna University, Coimbatore and Trichy
4. Dr. RM. Senthamarai, Anna University, Chennai and Trichy
5. Dr. B. Vidivelli, Anna University, Chennai
6. Dr. R. Baskar, S.R.M University, Chennai
7. Dr. S. Thirugnanasambandam, Anna University, Coimbatore and Tirunelveli
8. Dr. J. Saravanan (5070), S.R.M University, Chennai
9. Dr. S. Kamal, S.R.M University, Chennai

Journal Reviewer for National Journals:

1. Dr. C. Antony Jeyasehar - Indian Concrete Journal
2. Dr.RM. Senthamarai - Elsevier
3. Dr. G.Kumaran - International Journal of Civil and Structural Engg.
4. Dr. B.Vidivelli - Indian Concrete Journal
5. Mr.M.P.Venkatesh - International Journal of Scientific and Engineering Research and International Journal of Engineering Technology and Science.

Reviewer of Books:- Dr. G.Mohankumar- Prestressed Concrete, Tata McGraw Hill Publishers

## 27. Faculty recharging strategies: LTC, Study leave, Summer and winter schools,

Faculties are encouraged to participate in STTP, Summer/Winter School, Seminars, Conferences, Workshops, etc.

## 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects: 95%
- percentage of students doing projects in collaboration with other universities / industry / institute : 5%

## 29. Awards / recognitions received at the national and international level by

- Faculty
  - a) Dr. P.N. Raghunath, Professor has been awarded the Distinguished Teacher award by the Annamalai University on 05.09.2010.
  - b) Dr. K. Suguna, Professor, was presented with Viswarkarma award 2012 by Construction Industry Development Council and the Planning commission, Govt. of India on 10.03.2012.
  - c) Dr. C. Antony Jeyasehar, Professor and Head, has been conferred the Viswakarma Award 2011 by the Construction Industry Development Council, New Delhi on 07.03.2011.
  - d) Dr. P. N. Raghunath, professor was presented with Rashtriya Gaurav award by the Indian International friendship Society, New Delhi on 14.02.2012.
  - e) Dr. C. Antony Jeyasehar, Professor & Head, has been conferred distinguished Researcher Award by Annamalai University for the year 2009.
  - f) Dr. P.N. Raghunath, Professor & Head, has been conferred Distinguished Teacher Award instituted by Annamalai University for the year 2010.
- Doctoral / post doctoral fellows : Nil
- Students:
  - i) Mr.Gyan Prakash Mishra and Ms.Abinaya of III year Civil & Structural Engineering Participated in Special Skiing Course through NSS of our University held a Manali (HP) during 27.02.11 and 08.03.11.
  - ii) Mr. T. Suriya kumar, A. Amudhan, J. Aiswarya, J. Gayathri of III year Civil & Structural Engineering Participated in Home stay programme through NSS of our University held at Mizhoram during 17.04.2011 to 26.04.2011.
  - iii) Ms. M. Bhamavathi & Mr. R. Arul Prakash of III year Civil & Structural Engineering Participated in National Integration Camp through NSS of our University held at Kanyakumari, Tamilnadu during 04.06.2011 to 10.06.2011.
  - iv) Mr. K. Vallalar and Ms. A. Geetha of III year Civil & Structural Engineering Participated in Summer Adventure Camp through NSS of our University held at Simla (HP) during 23.06.2011 to 02.07.2011.
  - v) Mr. T. Suriya kumar, Ms. Aiswarya & Ms. Muthulakshmi of III year Civil & Structural Engineering received Best NSS Volunteer Award from Annamalai University during the year 2010-2011

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

### Short-Term Training Programmes

Coordinator(s)	Theme	Sponsored by	Period	Fund
Dr.C.Antony Jeyasehar Dr.S.Thirugnanasambandam	Staff Development Programme on Disaster Mitigation and Rehabilitation of Structures (DiMaRoS-2009)	AICTE, New Delhi	27 <sup>th</sup> April - 8 <sup>th</sup> May 2009	2.80 lakhs
Dr.C.Antony Jeyasehar Dr.S.Thirugnanasambandam	Staff Development Programme on Disaster Mitigation and Rehabilitation of Structures (DiMaRoS-2011)	AICTE, New Delhi	27 <sup>th</sup> April - 8 <sup>th</sup> May 2011	2.00 lakhs

## Workshops

Coordinator(s)	Theme	Sponsored by	Period
Dr.C.Antony Jeyasehar Dr. P.N.Raghunath Dr.G.Mohankumar	Workshop on Seismic Resistance Design and Construction Practices	UGC - Innovative Programme	26-27 April 2008
Dr.C.Antony Jeyasehar Dr.RM.Senthamarai	Workshop on Concrete Mix Design	M/s. Ultratech Cement Limited, Thanjavur	01 March 2009
Dr.C. Antony Jeyasehar Dr.RM. Senthamarai Dr. A. Rajasekaran	Workshop on Concrete Mix Design	M/s. Ultra Tech Cement Ltd., Puducherry	22 <sup>nd</sup> January 2010
Dr. C. Antony Jeyasehar Dr.S.Thirugnanasambandam	International Workshop on Geopolymer Cement and Concrete	Annamalai University	7th Dec-2010

## Extension Programmes

Coordinator	Theme	Sponsored by	Period
Dr. C. Antony Jeyasehar, Dr.P.N.Ragunath, Dr.G.Mohankumar, and Dr.S.Thirugnanasambandam	Mason Training programme for the practicing Masons of Chidambaram town	M/s. Ultra Tech Cement Ltd., Puducherry	22.02.2010 - 26-02-2010
Dr.G.Mohankumar, Dr.G.Kumaran, Dr.S.Thirugnanasambandam, Mr.K.Ravichandran and Mr.Ilango Sivakumar,	Disaster Management Training for Students from Twelve schools of Villupuram and Cuddalore districts	under the Aegis Government of Tamil Nadu	July - August 2009

## Seminars

## i) International Conferences Sponsored by the Department

Topic	Organizer	Duration
Fourth National Conference on Wind Engineering (NCWE -07)	Structural Engineering Research Centre, Chennai.	30 October - 1 November 2007
Sixth Structural Engineering Convention, SEC 2008	Structural Engineering Research Centre, Chennai.	18 - 20 December 2008

## ii) National Conferences / Seminars

Directors	Theme	Sponsor	Duration
Dr.C.Antony Jeyasehar Dr. R. Subramanian Prof. A.K. Ramakrishnsn	Disaster Mitigation and Rehabilitation of Structures (DiMaRS-2009)	i) University Grants Commission, New Delhi ii) Structural Engineering Research Centre, Chennai	19 - 20 March 2009
Dr. P.N. Raghunath Dr. K. Suguna Dr. R. Baskar	Advances in construction engineering practices	i) University Grants Commission, New Delhi ii) UTRACON, Chennai iii) DP wires Pvt. Ltd., Chennai iv) M/s. Senthil Industries, Chennai v) M/s. Arun Industries, Chennai vi) India Cements Ltd., Chennai v) Stewols India Pvt. Ltd., Nagpur	25 - 26 Feb. 2010
Dr.C.Antony Jeyasehar Dr. RM. Senthamarai Dr. A. Rajasekaran	Seventh Structural Engg Convention (SEC 2010)	i) University Grants Commission, New Delhi ii) Structural Engineering Research Centre, Chennai	7th Dec-2010

**31. Code of ethics for research followed by the departments:**

The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices (GRP). All researchers follow the standard procedures for conducting research laid down by relevant scientific and professional bodies. Researchers are aware and comply with the ethical and legal requirements relating to disclosures of personal information, biodiversity protection before undertaking research.

### 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.E. Civil & Structural	120	167	49	34	82
M.E. Structural Engineering	86	28	12	90	100
M.E. Construction Engg. & Management	35	10	2	100	100
M.E. Disaster Managmt. & Engg.	3	2	1	100	100

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.E. Structures	64	20	12	4
M.E. Construction Engg. & Mgt.	80	20	-	-
M.E. Disaster Managmt. & Engg.	95	7	-	-

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.:** GATE - 18 Nos.

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	50
PG to M.Phil.	-
PG to Ph.D.	10
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	25
• Other than campus recruitment	70
Entrepreneurs	5

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	28
from other universities within the State	67
from universities from other States	5
from universities outside the country	-

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.** Ph.D: 23

### 38. Present details of infrastructural facilities with regard to

a) **Library** - Separate Dept. Library is available apart from the Faculty and University main libraries with a space of 60 x 40 feet size and it contains more than 500 text and reference books and backup volumes, few refereed journals, M.E. and Ph.D. Theses, BIS codes etc.

b) **Internet facilities for staff and students** - Separate internet connections are available to the staff rooms and net connection available in the conference and library hall.

c) **Total number of class rooms:-** 6 nos. and one conference hall with LCD display

d) **Class rooms with ICT facility**

e) **Students' laboratories - 08**

- |                                    |   |                                  |
|------------------------------------|---|----------------------------------|
| 1. Concrete Lab                    | 2. Strength of Materials Lab              | 3. Geo-Technical Engineering Lab |
| 4. Computer Lab                    | 5. Structural Testing Lab                 | 6. Earthquake Engineering Lab    |
| 7. Advanced Structural Testing Lab | 8. Non-Destructive Testing Techniques Lab |                                  |

f) **Research laboratories** - All the laboratories mentioned above is used for the research. Highly utilized lab is Advanced Structural Testing Laboratory.

### 39. List of doctoral, post-doctoral students and Research Associates

(a) From the host university (as on January 2014)

Name of the Scholar	Name of the Scholar	Name of the Scholar
R. Murugan	R.S.Ravichandran	K.Selvamuthukumar
K. Ravichandran	J. Saravanan (5999)	K.Balasubramanian
V. Madhavan	C.Venkatachalapathy	V. Sathiskumar
D. Gopinath	R.Devasena	S. Arunmozhi
M. Purushothaman	S.Kumaravel	P. Palson
A. Prabhahar		

(b) From other Universities / Institutions (as on January 2014)

B.Sivagurunathan	Gopinathan T. K	T. Kathiravan
V.Balasubramanian	K.R. Venkatesan	Mohammed Imthathullah Khan
G.Saravanan	V.S. Sethuraman	B. Parthiban
P.Srinivasa	L.K.Rex	A. Jayaranjani
Voggu Srinivas	Rajendra P. Rokade	B. Raguvaran
A.Krishnamoorthi	R. Rajesh Guna	P. Raghunatha Pandian
R. Venkatakrisnaiah	M. Ponni	K. Jayasudha
M.Mariappan	S. Annamalai	T. Subbulakshmi
N.Seshadrisekhar	A. Gladwin Alex	S. Gurusarath
V.A.Shanmugavelu	N. Vallal perumal	Abusalah Mohammed Alakhddar

**40. Number of post graduate students getting financial assistance from the university? :- Nil**

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. :**

YES. The need for starting the M.E programme on Disaster Management and engineering was felt after the Indian Ocean Tsunami and Orissa Super Cyclone.

**42. Does the department obtain feedback from**

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? : Yes, Feed back is discussed in Staff Meeting and appropriate measures taken to overcome drawbacks.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? : - Yes, Feed back is discussed in Staff Meeting and appropriate measures taken to overcome drawback.

c. alumni and employers on the programmes offered and how does the department utilize the feedback? : Yes, Feed back is discussed in staff meeting and appropriate measures taken to overcome drawback.

**43. List the distinguished alumni of the department (maximum 10)**

Dr. C. V. Vaidyanathan	Vice Chancellor, Kanchi Viswa Vidyalaya
Dr. K. Ramamurthy	Dean (Academics), IIT Madras, Chennai
Er. I. Veerabadran	Chief Engineer (Rtd.), Dept. of Agricultural Engg. Govt. of Tamilnadu
Er. M. Ramalingam	General Manager (Civil), NLC
Er. K. Chakkaravarthy	General Manager (Civil), NLC
Mr. G. Ganesan	Meena Fibre Industries, Puducherry
Er. Anbu	General Manager, Structural Design Wing, DLF Pvt. Ltd.
Dr. R. Manisekar	Scientist, SERC Madras, Chennai
Er. K. Ravi	Deputy General Manager (Civil), Chennai Metro Rail Ltd., Chennai
Dr. Stalin	Division Head, Dept. of Civil Engg., Anna University

#### 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Foundation day lectures, periodical special lectures, lecture by foreign experts, Engineers day lectures, etc.

Delivered by	Theme	Period
Dr. S.Arunachalam, Deputy Director and Head, Wind Engg., SERC, Chennai	Boundary Layer Wind Tunnel Studies on Structural Models	31.07.07
Dr. Shen - En Chen, Dept. of Civil & Environmental Engg., University of North Carolina Charlotte, , USA	Wireless Drive - By- Vibration Sensing for Health Monitoring and Short - Span Bridges	14.12.07
Dr. NE. Shanmugam, Dept. of Civil Engg, University Kebangsaan, Malaysia	Steel - Concrete Composites in Civil Engineering Construction	14.12.07
Dr. Ravindrarajah, Civil Engineering Group, Center for Build Infrastructure, Faculty of Engg., University of Technology, Sydney, Australia	Energy Absorbing Concrete and Environmentally Friendly Pervious Concrete	19.02.08
Dr.C.V.Vaidyanathan, Former Director Grade Scientist and, Advisor (Management), SERC, Chennai	Dynamic of Seismic Pounding and Codal Provisions	05.03.2008
Er. N. Sankaran, General Manager (Retd.), Voltas International Limited, Chennai	Implementation of projects	29.08.2008
Dr.K.Nagamani, Professor , Structural Engg Division, College of Engineering,, Anna University, Chennai	Earthquake Resistant Structural System	28.03.2009
Dr.S.Gomathinayagam, , Executive Director, Centre for Wind Energy Technology, , Govt of India, Chennai	Structural Design in Wind Electric Generators	27.07.2009
Dr.S. Arunachalam, Advisor (Management) and Scientist G, SERC, Chennai.	Wind Loads for Design of Low - Rise Buildings	16.09.2009
Mr. M.V. Thiagarajan,, Former Chief Engineer and Chairman of the Board, TSH, Canada. (Alumnus, 1960 batch, Civil)	Infrastructure, Transportation, Bridges & Aesthetics and Challenges in Engineering	25.01.2010
Dr. V. Ramakrishnan, , Regents Distinguished Professor of Civil Engineering, , School of Mines and Technology,, South Dakota, USA	i) The Joy of being a Structural Engineer ii) Past, Present and Future of Fiber Reinforced Concrete	08.02.2010
Dr. P. Paramasivam,, Professorial Fellow,, National University of Singapore	Impact Behaviour of Steel - Fibre Composite Plates	08.02.2010
Dr. V.S. Parameswaran, , President and Chief Executive,, Design Technology Consultants, Chennai.	Steel Fibre Concrete Composites for Special Applications	06.04.2010
Dr. Ravindra Gettu, Professor of Civil Engineering, IIT Madras, Chennai	Application of Self Compacting Concrete: Recent Experience and Challenges that Remain	27.07.2010
Dr. S.K. Sekar, Director, Centre for Disaster Mitigation and Management, VIT University, Vellore	Innovative Materials for Construction Industry	20.09.2010
Mr. A.P. Murugan , Regional Head - Technical Services, UltraTech Cements Limited	Durability of Concrete	29.09.2010
Dr. K. Ravisankar, Scientist-G & Head, Structural Health Monitoring Laboratory, CSIR - Structural Engineering Research Center, CSIR Campus, Taramani, Chennai	Fiber Optic Sensors for Monitoring Service life performance of Structures	26.02.2011
Mr. G.V. Ashok Kumar, Head-Engineering, L & T Limited, Chennai	RCC Design and Detailing	27.07.2011
Mr. K. Jayashankar, Chairman, ICI Chennai Centre & Vice President (Technical Services), Ultra Tech Cements Ltd. Chennai	Challenges in Making Durable Concrete	12.10.2011
Dr. G. Raghava, Senior Principal Scientist & Head, Fatigue and Fracture Laboratory, CSIR-SERC, Chennai	Fatigue and Fracture: Experimental Investigations on Structural Components and Materials	20.03.2012

#### 45. List the teaching methods adopted by the faculty for different programmes.

Use of Over head projectors, power point presentations, arranging site visits, etc.,

#### 46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Through feedback and periodical update of syllabus content introduction of new courses in emerging areas.

#### 47. Highlight the participation of students and faculty in extension activities.

Faculties are involved in training the Field Engineers on various aspects of Civil Engineering.

- i. Students are entertained to organize a national level symposium every year.
- ii. Staff and students are actively engaged in conducting the training programmes for masons every year jointly with Ultratech Cements.
- iii. Staff and Students are actively participated in the awareness programme on earthquake and wind disaster among the school children.

#### 48. Give details of "beyond syllabus scholarly activities" of the department.

Special lectures at other intuitions, Work shop on Mix design for Ultra Tech.

- i) Special lectures by National and International experts
- ii) Workshop on Concrete Mix design in collaboration with Ultra Tech Cement Ltd.
- iii) Functioning of Indian Concrete Institute Students Chapter
- iv) Organizing an annual National level Student Technical Seminar called STRESS
- v) Coaching classes for GATE examinations

#### 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. : - Nil

#### 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

Developed cement from Paddy Husk, Geopolymer Cements from fly ash.

#### 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

##### Strength:

- Ideal student teacher ratio
- Well qualified staff members
- Well equipped laboratories
- Continuous updating of knowledge through participation in national & international seminars, delivering of special lectures
- Consultancy

##### Weaknesses:

- Rural setting
- Lack of awareness about the quality of education offered here

##### Opportunities:

- Exposure of students to all branches of knowledge other than engineering and technology
- Getting on hand experience of rural life
- Cosmopolitan composition of students

##### Challenges:

- Adjustment issues
- Catering to the varying needs of students from different states
- Providing suitable facilities for students from other countries
- Cultural interactions
- Geo Social issues

#### 52. Future plans of the department.

To strive for developing the department as a centre of excellence in structural engineering and developing facilities on par with international standards.

## DEPARTMENT OF MECHANICAL ENGINEERING

**1. Name of the Department:-** Mechanical Engineering

**2. Year of establishment :** - 1945

**3. Is the Department part of a School/Faculty of the university?**

Yes, Faculty of Engineering and Technology

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

B.E. (Mechanical) ; M.E (Thermal Power) ; M.E (Energy Engineering and Management)

**5. Interdisciplinary courses and departments involved :-** Nil

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.-** Nil

**7. Details of programmes / courses discontinued, if any, with reasons :-** Nil

**8. Annual/ Semester/Choice Based Credit System:-**

Semester Wise Choice Based Credit System.

**9. Participation of the department in the courses offered by other departments:**

B.E. Mechanical (Manufacturing) Engineering;      B.E. Electrical & Electronics Engineering;  
B.E. Electronics & Instrumentation Engineering;      B.E. Chemical Engineering;  
B.Sc. Agriculture

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned *	Actual **
Professor	04	09
Associate Professors	13	16
Asst. Professors	13	92

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt/ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Exper.	No. of Ph.D. students guided for the last 4 years
Dr.N.Krishna Mohan	B.E,Mech M.E,Heat Power,Ph.D	Professor & Head	Machine Design	32	5
Dr. R. Rathnasamy	B.E.(Houns) Mech,M.Tech Heat Transfer, Ph.D.	Professor	Heat Transfer	27	2
Dr.C.G.Saravanan	B.E. Mech, M.E. Thermal, Ph.D	Professor	I.C. Engines	22	7
Dr. M.Ramajayam	B.E. Mech, M.E. Heat Power, Ph.D	Professor	I.C. Engines	32	3



Name	Qualification	Designation	Specialization	No. of Years of Exper.	No. of Ph.D. students guided for the last 4 years
Dr.A.Ragupathy (On other Duty as Controller of Examinations, Annamalai University)	B.E.Mech, M.E.Thermal, Ph.D	Professor	Heat Transfer.	24	5
Dr. B.Sivaraman	B.E. Mech, M.E. Thermal, Ph.D	Professor	Heat Transfer.	24	8
Dr. S.Vaidyanathan	B.E. Mech, M.E. Thermal, Ph.D	Professor	CFD	24	4
Mr. A.Pannirselvam	B. Tech, M.E.	Associate Professor	Thermal	27	Nil
Dr. B.Karthikeyan	B.E. Mech, M.E. Thermal, Ph.D	Associate Professor	Thermal analysis	24	2
Mr. C.Sivarajan	B.E. Mech, M.E.	Associate Professor	Thermal	24	Nil
Mr. S.Saravanan	B.E. Mech, M.E.	Associate Professor	Thermal	24	Nil
Dr. R.Karthikeyan	B.E. Mech, M.E. Thermal, Ph.D	Associate Professor	Heat transfer	22	2
Dr. P.Balaguru	B.E. Mech, M.E. Thermal, Ph.D	Associate Professor	Neural Network	20	Nil
Dr. M.Loganathan	B.E. Mech, M.E. Thermal, Ph.D	Associate Professor	I.C. Engines	17	5
Dr. S. Sivaprakasam	B.E. Mech, M.E. Thermal, Ph.D	Associate Professor	I.C. Engines	17	7
Dr. S.Vivekanandan	B.E. Mech, M.E. Thermal, Ph.D	Associate Professor	Bio Energy	17	4
Dr. G.Murugan	B.E. Mech, M.E. Thermal, Ph.D	Associate Professor	Fatigue behavior of Materials	17	2
Dr. R.Kalaivanan	B.E. Mech, M.E. Thermal, Ph.D	Associate Professor	Heat transfer	17	2
Mr. S.Manikandan	B.E. Mech, M.E.	Associate Professor	Thermal	17	Nil
Dr. E. James Gunasekaran	B.E. Mech, M.E. Energy, Ph.D	Associate Professor	I.C. Engines	17	6
Dr. N.Karunakaran	B.E. Mech, M.B.A., M.E. Thermal, Ph.D	Associate Professor	Weld Modelling	17	3
Mr. A. Murugaganesan	B.E. Mech, M.E.	Associate Professor	Thermal	17	Nil
Dr. M.P.Ashok	B.E. Mech, M.E. Thermal, Ph.D	Associate Professor	I.C. Engines	17	1
Dr. S.Saravanan (SSV)	B.E. Mech, M.E. Thermal, Ph.D	Assistant Professor	Explosive Welding	15	2
Mr. P.Velmurugan	B.E. Mech, M.E.	Assistant Professor	Thermal	15	Nil
Mr. V.Vinoth Kumar	B.E. Mech, M.E.	Assistant Professor	Thermal	15	Nil
Mr. P.Ramesh	B.E. Mech, M.E.	Assistant Professor	Thermal	15	Nil
Dr. A.Raja	B.E. Mech, M.E.	Assistant Professor	IC Engine	15	Nil
Mr. C.M.Raguraman	B.E. Mech, M.E.	Assistant Professor	Thermal	15	Nil
Mr. K.Sivakumar	B.E. Mech, M.B.A M.E.	Assistant Professor	Thermal	14	Nil
Mr. M.R.Rajamanickam	B.E. Mech, M.E.	Assistant Professor	Thermal	14	Nil
Dr. B.Prem Anand	B.E. Mech, M.E.	Assistant Professor	Automotive Electronics	14	Nil
Mr. D.Karthikeyan	B.E. Mech, M.E.	Assistant Professor	Thermal	14	Nil
Dr. LA.Chidambaram	B.E. Mech, M.E.Thermal, Ph.D	Assistant Professor	Solar Thermal Refrigeration	14	Nil
Mr. B.Chandramohan	B.E. Mech, M.E.	Assistant Professor	Thermal	14	Nil

Name	Qualification	Designation	Specialization	No. of Years of Exper.	No. of Ph.D. students guided for the last 4 years
Dr. A.P.Sathiyagnanam	B.E. Mech, M.E.Thermal, Ph.D	Assistant Professor	I.C. Engines	14	6
Dr. R.Prem kumar	B.E. Mech, M.E.	Assistant Professor	Energy	13	Nil
Mr.E.Elango	B.E. Mech, M.E.	Assistant Professor	Thermal	13	Nil
Mr. P.Raveendiran	B.E. Mech, M.E.	Assistant Professor	Thermal	13	Nil
Mr. A.Kajavali	B.E. Mech, M.E.	Assistant Professor	Thermal	13	Nil
Dr. C. Anandasrinivasan	B.E. Mech,M.E.	Assistant Professor	Energy	13	Nil
Mr. K.Kumaravel	B.E. Mech,M.E.	Assistant Professor	Energy	13	Nil
Dr. J.Prabakaran	B.E. Mech, M.E.	Assistant Professor	Heat Transfer	13	Nil
Mr. M. Kannan	B.E. Mech,M.E.	Assistant Professor	Energy	13	Nil
Mr. S. Sudhakar	B.E. Mech, M.E.	Assistant Professor	Thermal	7	Nil
Dr. K.Sivakumar (KSr)	B.E. Mech, M.E.	Assistant Professor	Energy	13	Nil
Mr. P.Balashanmugam	B.E. Mech,M.E.	Assistant Professor	Energy	13	Nil
Mr. R.Suresh	B.E. Mech,M.E.	Assistant Professor	Energy	13	Nil
Mr. G.Karthikeyan	B.E. Mech,M.E.	Assistant Professor	Energy	13	Nil
Mr. M.Karthikeyan	B.E. Mech, M.E.	Assistant Professor	Thermal	13	Nil
Mr.B.Jothithirumal	B.E. Mech,M.E.	Assistant Professor	Energy	13	Nil
Mr.R.Ramkumar	B.E. Mech,M.E.	Assistant Professor	Energy	13	Nil
Dr.R.Senthilkumar	B.E.Mech, M.E.Thermal Plant Engg. Ph.D	Assistant Professor	Heat transfer	13	2
Mr.SR.Senthilkumar (SRS)	B.E. Mech,M.E.	Assistant Professor	Energy	13	Nil
Mr.P.Premkumar	B.E. Mech,M.E.	Assistant Professor	Energy	13	Nil
Mr.J.Manikandan	B.E. Mech,M.E.	Assistant Professor	Energy	13	Nil
Mr.R.Manikandan	B.E. Mech, M.E.	Assistant Professor	Thermal	13	Nil
Mr.I.George	B.E. Mech,M.E.	Assistant Professor	Energy	13	Nil
Mr.V.Venkatesan	B.E. Mech,M.E.	Assistant Professor	Energy	13	Nil
Mr.G.Manikandan	B.E. Mech,M.E.	Assistant Professor	Energy	12	Nil
Mr.S.Gunabal	B.E. Mech, M.E., MBA	Assistant Professor	Energy	12	Nil
Mr.B.Guruprasad	B.E. Mech, M.E.	Assistant Professor	Energy	11	Nil
Mr.N.Pari	B.E. Mech, M.E.	Assistant Professor	Energy	11	Nil
Mr. P.Tamilarasan	B.E. Mech, M.E.	Assistant Professor	Energy	11	Nil
Mr. G. Venkata chalapathy	B.E. Mech, M.E.	Assistant Professor	Energy	11	Nil
Mr. K.Murugan	B.E. Mech, M.E.	Assistant Professor	Energy	11	Nil
Mr. K.Syed Jafaer	B.E. Mech, M.E.	Assistant Professor	Energy	11	Nil
Mr.R.Venkatesa Perumal	B.E. Mech, M.E.	Assistant Professor	Thermal	11	Nil
Mr. S.Senthilnathan	B.E. Mech, M.E.	Assistant Professor	Energy	11	Nil
Mr. R.Ezhil Nilavan	B.E. Mech, M.Tech	Assistant Professor	Thermal	11	Nil
Mr.C.Thiagarajan	B.E. Mech, M.E.	Assistant Professor	Thermal	10	Nil
Mr.M. Saravanan	B.E. Mech, M.E.	Assistant Professor	Thermal	10	Nil
Mr.A.Velmurugan	B.E. Mech, M.E.	Assistant Professor	Thermal	10	Nil
Mr.K.Senthil Kumar	B.E. Mech, M.E.	Assistant Professor	Thermal	10	Nil

Name	Qualification	Designation	Specialization	No. of Years of Exper.	No. of Ph.D. students guided for the last 4 years
Mr.N.Muthukumaran	B.E. Mech,M.E.	Assistant Professor	Energy	10	Nil
Mr. M. Senthil Kumar	B.E. Mech, M.E.	Assistant Professor	Thermal	9	Nil
Mr.S.Bala Murugan	B.E. Mech, M.E.	Assistant Professor	Thermal	9	Nil
Mr.R.Padmarajan	B.E. Mech, M.E.	Assistant Professor	Thermal	10	Nil
Mr.K.Karthikeyan	B.E. Mech,M.E.	Assistant Professor	Energy	10	Nil
Mr. M. Kesavan	B.E. Mech, M.E.	Assistant Professor	Thermal	10	Nil
Mr.K.Kandassamy	B.E. Mech, M.Tech	Assistant Professor	Thermal	10	Nil
Mr.P.Deivajothi	B.E. Mech,M.E.	Assistant Professor	Energy	9	Nil
Mr. R. Velappan	B.E. Mech, M.E.	Assistant Professor	Thermal	9	Nil
Mr.C.Wilson Dhileep Kumar	B.E. Mech, M.E.	Assistant Professor	Thermal	9	Nil
Mr.V.Chandrasekaran	B.E. Mech,M.E.	Assistant Professor	Energy	9	Nil
Mr. M. Premnath	B.E. Mech,M.E.	Assistant Professor	Energy	9	Nil
Mr. S.Krishnan	B.E. Mech, M.E.	Assistant Professor	Thermal	8	Nil
Mr.S.Balamurugan	B.E. Mech, M.E.	Assistant Professor	Thermal	8	Nil
Mr.R.Panchamoorthy	B.E. Mech, M.E.	Assistant Professor	Thermal	8	Nil
Mr. D. Arokia Pushparaj	B.E. Mech, M.E.	Assistant Professor	Thermal	8	Nil
Mr.B.Lakshmipathy	B.E. Mech, M.E.	Assistant Professor	Thermal	8	Nil
Mr.N.Alagappan	B.E. Mech, M.E.	Assistant Professor	Thermal	8	Nil
Mr. S. Ramasamy	B.E. Mech, M.E.	Assistant Professor	Thermal	8	Nil
Mr. G. Balasubramanian	B.E. Mech, M.E.	Assistant Professor	Thermal	8	Nil
Mr. A. Malaisamy	B.E. Mech,M.E.	Assistant Professor	Energy	8	Nil
Mr. V. Sukumar	B.E. Mech,M.E.	Assistant Professor	Energy	8	Nil
Mr. C. Syedaalam	B.E. Mech,M.E.	Assistant Professor	Energy	8	Nil
Mr. N. Babu	B.E.Mech. (Manu), M.E	Assistant Professor	Manufacturing	8	Nil
Mr. K. Balasubramanian	B.E. Mech,M.E.	Assistant Professor	Energy	8	Nil
Mr. K. Manikandan	B.Tech Mech, M.E.	Assistant Professor	Energy	8	Nil
Mr. S. Arulselvan	B.E. Mech,M.E.	Assistant Professor	Energy	8	Nil
Mr. N. Radhakrishnan	B.E. Mech,M.E.	Assistant Professor	Energy	8	Nil
Mr. A. Mohamed Shabiulla	B.E. Mech,M.E.	Assistant Professor	I.C Engg	8	Nil
Mr. R. Udhayasankar	B.E.Mech. (Manu), M.E	Assistant Professor	Manufacturing	8	Nil
Mr. E. Sivakumar	B.E. Mech,M.E.	Assistant Professor	Energy	8	Nil
Mr. N. Sivakumar	B.E. Mech, M.E.	Assistant Professor	Thermal	7	Nil
Mr. S. Elayaraja	B.E. Mech,M.E.	Assistant Professor	Energy	7	Nil
Mr. R. Sathishkumar	B.E. Mech.	Assistant Professor	Thermal	7	Nil
Ms. S. Kavitha	B.E. Mech,M.E.	Assistant Professor	Energy	7	Nil
Mr. A. Prabhu	B.E. Mech,M.E.	Assistant Professor	Energy	7	Nil
Mr. M. Sitharasan	B.E. Mech, M.E	Assistant Professor	Automobile	7	Nil
Mr. R. Muthukumaran	B.E. Mech, M.E.	Assistant Professor	Thermal	7	Nil
Mr. R. Narayanamoorthy	B.E.Mech. (Manu), M.E	Assistant Professor	Manufacturing	7	Nil
Mr. G. Babu Sankar	B.E. Mech,M.E.	Assistant Professor	Energy	7	Nil
Mr. P.Ramesh	B.E. Mech, M.E.	Assistant Professor	Thermal	5	Nil

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:-** Nil

**13. Percentage of classes taken by temporary faculty - programme-wise information:-** Nil

#### 14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
B.E Mechanical Engineering	30:1
M.E. (Thermal Power Engineering)	2:1
M.E. (Energy Engineering and Management)	2:1

#### 15. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Actual
Technical Staff	232
Administrative Staff	13

#### 16. Research thrust areas recognized by funding agencies

I.C. Engines & Combustion systems; Engine Electronics Management;  
Engine Pollution Control

#### 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

Name	Funding Agency	Project (National)	Cost in Lakhs
Dr.C.G.Saravanan	DRDO	Development of automobile engine components using plasma sprayed MMC	10.00
Dr.C.G.Saravanan	DST	Development of Automatic engine component using Plasma sprayed metal Matrix composite	21.96
Dr.C.G.Saravanan	AICTE	Studies on Performance of Electronic controlled Diesel & Ethanol Injection C.I Engines	9.00
Dr.C.G.Saravanan	MNoEF	Evaluation of Refuse Derived Fuel from Waste Plastics as Engine Fuel Substitute	53.90
Dr.C.G.Saravanan	MNRE	Lean Limit Extension for Spark Ignited Direct Injection(SIDI) Engine through on-board Non Thermal Plasma Conversion	38.46
Dr.M.Loganathan	UGC	Development of Air Assisted mixture injection system for a Two stroke SI engine	10.70
Dr.A.P.Sathiyagnanam	UGC	Development and Experimental Analysis on HCCI Bio - Diesel Engine Fuelled by Waste Pork Lard Oil	9.07

#### 18. Inter-institutional collaborative projects and grants received : - Nil

#### 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.

DST-FIST LEVEL - I	83.00 Lakhs
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#### 20. Research facility / centre: - Nil

#### 21. Special research laboratories sponsored by / created by industry or corporate bodies : - Nil

#### 22. Publications:

- Number of papers published in peer reviewed national 19 and international journals 157 (Annexure - I)
- Monographs: Nil
- Chapters in Books: Nil
- Edited Books : Nil

➤ Books with ISBN with details of publishers:

Dr. G. Kamaraj and P.Raveendiran, published a book on "Heat and Mass Transfer" Scitech Publications (India) Pvt. Ltd. ISBN-978-81-8371-109-8

M.P. Ashok, "A Text Book Of Engineering Thermodynamics" Scitech Publications (India) Pvt. Ltd. ISBN-978-81-8371-103-6.

A.P.Sathiyagnanam, published a book on "Biodiesel Production from Animal Fats" LAP LAMBERT Academic publishing, Germany. ISBN: 978-3-8443-8000-29 (E-Book), 2013.

Dr. S. Sivaprakasam and Dr. N. Karunakaran published a book on Alternative Energy Sources Bio-diesel - ISBN 9788183712699 through Scitech Publications (India) Pvt. Ltd., Chennai

- Citation Index - range / average - 48
- SNIP - 0.472 - 3.579
- SJR - 0.249 - 0.499
- Impact Factor - range / average - 0.25-2/0.87
- h-index

**23. Details of patents and income generated :- Nil**

**24. Areas of consultancy and income generated :- Nil**

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad :- Nil**

**26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other:**

Dr. N. Krishna Mohan, Dr. C.G. Sarvanan, Dr. S. Vaidynathan, Dr. B. Sivaraman Dr. S. Sivaprakasam are serving as doctoral committee members of difference Universities.

Dr. N.Karunakaran is serving as one of the editorial board member of AU-News Letter.

Besides the above many faculty members are serving as board of studies member for varies universities.

**27. Faculty recharging strategies**

- Deputing the Faculty members to attend national and international conferences/ seminars/symposia/workshop/refresher courses/ short term courses and industrial visits
- Faculty are permitted to present their research articles and interact with other researchers at the International conference.

**28. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects :- U.G -80% ; P.G - 50 %
- percentage of students doing projects in collaboration with other universities / industry / institute :- U.G -20% ; P.G - 50%

**29. Awards / recognitions received at the national and international level:- Nil**

### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

#### Seminars/ Conferences/Workshops organized

Name of the Seminar/ Workshop/ SDP	Venue / Date & Duration	Sponsored by	No. of Participants	Co ordinators
Workshop on Automotive Materials	7 Apr 2007	UGC	65	Dr.C.G.Saravanan
Workshop on Future fuels for low emission engines	26-27 Feb2008	UGC	61	Dr.C.G.Saravanan
Low carbon Technologies in Automobiles	27-28 Feb 2009	UGC	50	Dr.M.Loganathan and Dr.E. James Gunasekaran
AICTE sponsored SDP on Automotive materials and electronics	1-13 June2009	AICTE	55	Dr.C.G.Saravanan
Recent trends in Automotive Electronics	4-10 Jan 2010	UGC	60	Dr.M.Loganathan
UCC sponsored National Seminar on Recent developments in Hydrogen engine in automobiles	5-6 March2011	UGC	65	Dr.M.Loganathan
AICTE sponsored SDP on engine electronics and alternate fuels	16-29 May2011	AICTE	56	Dr.C.G.Saravanan and Dr.A.P.Sathiyagnanam
UGC sponsored National seminar in Advances in Air pollution control strategies	5-6 Feb2012	UGC	60	Dr.N.Krishnamohan, Dr.B.Sivaraman and Mr.R.Premkumar
ISTE approved STTP on Applications of Modeling and Simulation in Engineering Research	10-15 Dec 2012	ISTE	80	Dr. B. Sivaraman Dr. M. Kalaiselvi Geetha Dr. R. Senthilkumar

### 31. Code of ethics for research followed by the departments

Various research projects proposals in the area of I.C. Engines, CFD and solar energy are formulated, scrutinized by the respective research committees and submitted to the funding agencies for approval of grant. With the help of existing research schemes the students are actively involved for the mutual interests and annual seminars, symposia and workshops are conducted so that their findings are exposed. The faculty who are actively involved in research are deputed to various research institutions like IIT, NAL, IGCAR VSSC for knowledge upgradation and replenishment.

### 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.E Mechanical Engineering	2388	1822	20	65%	80%
M.E. (Thermal Power Engineering)	18	17		100%	-
M.E. (Energy Engineering and Management)	10	9	-	78%	-

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.E. (Thermal Power Engg)	70%	20%	10%	-
M.E. (Energy Engg and Management)	80%	15%	5%	-
Ph.D Mechanical Engg	80%	20%	Nil	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. - GATE : 07

### 35. Student Progression

Student progression	Percentage against enrolled
UG to PG	2 %
PG to Ph.D.	Nil
Employed	
• Campus selection	10%
• Other than campus recruitment	60%
Entrepreneurs	8%

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	80%
from other universities within the State	15%
from universities from other States	5%
from universities outside the country	Nil

### 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period

Scholar	Year	Scholar	Year	Scholar	Year
Mr. S. Sivaprakasam	2007	Mr.R.Kalaivanan	2011	Mr.S.Saravanan (SSV)	2012
Mr.A.Ragupathy	2008	Mr.N.Karunakaran	2011	Mr. D.Lakshmanan	2012
Mr.T.Shanmugavadivel	2009	Mr.S.Vivekanandan	2012	Mr.C. Anandasrinivasan	2012
Mr.AP.Sathiyagnanam	2009	Mr.LA.Chidambaram	2012	Mr. K. Sivakumar (KSR)	2013
Mr.B.Sivaraman	2009	Mr.G.Murugan	2012	Mr. J. Prabakaran	2013
Mr.M.P.Ashok	2010	Mr.M.Achuthan	2012	Mr. R. Premkumar	2013
Mr.S.Senthil	2011	Mr.R.Senthil kumar	2012	Mr. B. Prem Anand	2013
Mr.Ramu	2011	Mr.R.Karthikeyan	2012	Mr. A. Raja	2014

### 38. Present details of infrastructural facilities with regard to

#### a) Library

##### Department Library

- Text Books available - 900
- Journals Subscribed (National) - 02

##### Journals subscribed

- Indian journal of Heat and Mass Transfer
- Indian journal of Mechanical Engineering

#### b) Internet facilities for staff and students

##### Computers as Learning Resources

- The computer facility is extended to all faculty & students.
- The faculty are asked to attend various advanced courses on Computer Aided Design in leading institutions like IITs and IISc on various subjects.
- Computer facilities available in the department:
  - Pentium IV - 80 Nos.
  - Laser Printers - 5 Nos.
  - Dot Matrix Printer - 4 No.
  - 0.5 KVA on line UPS - 6 No.
  - 2 KVA on line UPS - 2 No.
- Campus wide networking is available in the institution. Separate terminals for immediate access are available in all the laboratories and staff rooms. In addition to that a separate computer centre is available with LAN facility. Two main libraries are

available in the institution campus. One is common to engineering faculty students and other one is the Central Library for the University.

- Infonet, Infilibnet, and Delnet facilities are available for ready access of Journals in the main Library. Edusat facility and video conferencing facility are also available in the university campus. A hi-tech electronic class room and modern auditorium with multimedia facilities are available for conducting seminars, symposia etc.
- Computer based training packages on the following four topics are developed by the department and are available for the students:
  - C++ object oriented languages
  - Auto CADD 2006
  - Mat lab- Version -R2011a

c) Total number of class rooms : 45

d) Class rooms with ICT facility :

e) Students' laboratories : 14

f) Research laboratories : 02

### 39. List of doctoral, post-doctoral students and Research Associates:

a) from the host university 16

Scholar	Year	Scholar	Year	Scholar	Year
Mr. S. Sivaprakasam	2007	Mr.P.Ramu	2011	Mr.R.Karthikeyan	2012
Mr.A.Ragupathy	2008	Mr.R.Kalaivanan	2011	Mr.C. Anandasrinivasan	2012
Mr.T.Shanmugavadivel	2009	Mr.S.Vivekanandan	2012	Mr. K. Sivakumar (KSR)	2013
Mr.AP.Sathiyagnanam	2009	Mr.LA.Chidambaram	2012	Mr. J. Prabakaran	2013
Mr.B.Sivaraman	2009	Mr.G.Murugan	2012	Mr. A. Raja	2014
Mr.M.P.Ashok	2010				

b) from other universities 8

Mr.S.Senthil	2011	Mr.R.Senthil kumar	2012	Mr. B. Prem Anand	2013
Mr.N.Karunakaran	2011	Mr.S.Saravanan (SSV)	2012	Mr. R. Premkumar	2013
Mr.M.Achuthan	2012	Mr. D.Lakshmanan	2012		

40. Number of post graduate students getting financial assistance from the university? - Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)?

Yes, to start a B.E Automobile Engineering Programme, the syllabi, and other academic regulations were framed and placed before the Board of Studies for its approval and then it has passed through Academic Council and Syndicate.

Students have evinced interest in the elective course in the field of Automobile Engineering. Many students have chosen this area for their final year project work in both UG and PG programmes. Research activities are also going on through PhD work and research projects. Hence, it is proposed to offer new UG programme B.E (Automobile Engineering)

42. Does the department obtain feedback from

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Academic members from Board of Studies represent for revision of curriculum based on need. Feedback from faculty is also incorporated in curriculum as well as teaching-learning evaluation



**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

The feedback is obtained from the students at the end of the each semester by the respective class in charges on the various subjects scrutinized by the concerned class committee and the discussed with concerned staff members regarding the pros and cons to improve their teaching skills. For the benefit of the students the valid suggestions and concerns proposed by the class committees based on the normalized student's feedback every year faculty opinion to refine the process of "Teaching- Learning-Evolution"

**c) alumni and employers on the programmes offered and how does the department utilize the feedback?**

To tailor the students to meet the growing competitive opportunities the curriculum is modified more practical and in plant training skills, the board of studies is accomplished with industry , scientist and alumni.

**43. List the distinguished alumni of the department (maximum 10)**

Lt. Gen Y. V. Radhakrishnan	Chief of Corps of Signals.
Dr. S. Sathik	Former Vice-Chancellor, University of Madras.
Dr. P. V.Vaidyanathan	Former Vice-Chancellor, Annamalai University.
Dr. M. Kathiresan	Stoner Inc., USA.
Dr. C. V. Karthick Narayanan	Industrialist.
Prof. S. Govindarajan	President UCAL Fuels, Chennai.
Mr. M. Ramanathan (Volvo Awardee)	NASA, USA.
Dr. D. Viswanathan	Vice-Chancellor, Anna University, Chennai.
Mr. Thangam Thennarasu	Former Minister for School education, Govt. of Tamilnadu.
Dr. R. Jegannathan	Greaves India, CSIR Awardee.

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Dr.Velraj delivered special lecture on Bio-mass energy on 19<sup>th</sup> August as a part of Renewable Energy day celebrations.
- Dr.V.Ramanujachari, DRDL, Hyderabad delivered invited lecture on Scram Jet Engine Development for Hypersonic Mission.
- Dr. K.Banumurthy Scientific officer - Materials Technology division, Bhabha Atomic Research Center (BARC) delivered a special lecture on 'Nuclear energy - Challenges to mechanical engineers' on 13.08.07.
- Er.V.Ananda Natarajan, Manager - Plant Vehicle Team, Ford India, Chennai delivered a talk on Recent Trends in Automobile Technology on 08.09.07.
- Er. Mutheszilan entrepreneur in U.S.A. addressed the final year Mechanical Engineering students on the topic, "How to grab placement and career opportunities in India and abroad" on 26.08.08.
- Mr. Neminathan an alumnus of the Department addressed the final year Mechanical Engineering students on "Marine Engineering" on 12.09.08.
- K.S.Jayaraman, Director (Technical) Auto Tech Industries Pvt. Limited inaugurated the activities of the Mechanical Engineering Association and delivered the inaugural address on 26.09.08
- Dr. D.P. Mishra, Associate Professor, IIT Kanpur Delivered invited lecture to final year students on Combustion Diagnostics on 06.03.2009

- Muthuraman, Management Consultant Delivered invited lecture to final year students on Soft Skills Development 23.7.09
- Er.N. Murali, President & CEO, BGR Energy System Ltd., an alumnus (1980 B.E.Mech) of this department addressed to the final year students on 13.03.2010
- Thiru.P.C. Pandian(1967 B.E.Mech) alumini of this department delivered invited lecture to the Mechanical Engineering students on "Trends in Foundry Technology" on 20.08.10
- Prof.K.Narayanan (1967 B.E.Mech) and Prof. A. Ramasubramania Pillai (1967 B.E.Mech) alumni of this department delivered invited lecture on "Career Opportunities in Marine Engineering" on 02.09.10
- Dr. R. Saravanan, Professor, Institute of energy Studies, Anna University delivered a lecture on "Energy Studies and ASHRAE activities" on 12.02.2011.
- Dr.S.Sivaprakasam delivered a special lecture at VET- Saraswathi college of Engg & Tech, konerikuppam, TIndivanam on 24.08.11.
- Dr.S.Sivaprakasam delivered a special lecture on "Alternative Fuels" at A.V.C. Polytechnic College, Mayiladudurai on 26.08.11.
- Mr. M. Raghavan, Chief Manager, NLC Neyveli delivered Professor M. Ramalingam endowment lecture on the topic of "Highly mechanized open cast mining with specialized machineries" on 28.03.11.
- Dr.N.Krishna Mohan, Professor and Head, Department Of Mechanical Engineering, delivered a "Sonachalam Endowment Lecture" at Economics Department, Annamalai University on 06.03.2012.
- Conducted Campus to Corporate Training program in two phase during 28.01.2013 - 03.02.2013 and 12.02.2013 - 16.02.2013.

**45. List the teaching methods adopted by the faculty for different programmes.**

LCD, OHP, Computer Based Tutorials, Commercial Software like (Star CD, ANSYS, AUTO CADD), Micro Teaching and Learning System.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

The final year students are subjected to various online test, competitive exams by professional agencies so that their feedback and suggestion from the competitive agencies well utilized.

**47. Highlight the participation of students and faculty in extension activities.**

- Special Lectures are Organised and delivered
- Refresher courses are organized
- ISTE - AICTE Short term programs are organized
- National seminars/conferences are organized
- Skill set training programmes are organized
- Exhibitions for the public regularly organized

**48. Give details of "beyond syllabus scholarly activities" of the department.**

- The department has established automobile pollution testing centers
- The department is maintaining the university level auto garage to maintain the vehicle

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.: - Nil**

## 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Research work are going on in the field of IC engines especially in the alternative fuels and emission control to find suitable additives to reduce the harmful greenhouse gas emission from IC engines. As well as the research is going on in the field of Solar Energy to find cost effective user friendly renewable gadgets. Research in the field of Heat Transfer and Heat Exchangers are gaining momentum so as to cater the needs of industrial demand.

## 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

### Strengths

- Established curriculum serving a broad base of students with interdisciplinary and experiential education at both the undergraduate and graduate levels.
- Full-time faculties teach most classes, and there is a strong bond and a high level of interaction between faculty and students.
- Up-to-date facilities and infrastructure like laboratories, teaching aids for research.
- Integration and impact of research on the learning experience of our students.
- Activities throughout the year for wholesome improvement of the students.

### Weakness

- Increased enrollment from 2007, followed by uneven patterns of growth
- Department located in the semi urban area.
- Lack of access to the corporate sectors and core industries in Mechanical Engineering.

### Opportunities

- Becoming a leader in interdisciplinary and integrated learning.
- Use of modern technology in teaching learning process such as Computer Aided Learning (Interactive Multimedia, Internet Based Access to www resources).
- Strategic alliances and partnerships with industry & institutions for offering more professional courses.
- Consultancy services to the industry on the core research area.

### Challenges

- Increased student enrollments without increased resources.
- Address broader impacts of social and ethical implications of research
- On campus placements for students in both graduation and post graduation study.

## 52. Future plans of the department.

- Introduction of B.E., Automobile programme
- Introduction of ME., Design programme
- Establishment of ICSR (Industrial Consultancy and Sponsored Research)

## DEPARTMENT OF MANUFACTURING ENGINEERING

**1. Name of the Department:** - Manufacturing Engineering

**2. Year of establishment:** - 1984

**3. Is the Department part of a School/Faculty of the university?**

Yes, Faculty of Engineering & Technology

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

B.E. Mechanical Engineering (Manufacturing); M.E. Manufacturing Engineering;  
M.E. Nano Materials and Surface Engineering; Ph.D in Manufacturing Engineering.

**5. Interdisciplinary courses and departments involved:** - Nil

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.:** - Nil

**7. Details of programmes / courses discontinued, if any, with reasons:-** Nil

**8. Examination System: Annual/Semester/Choice Based Credit System:**

Choice Based Credit System (CBCS)

**9. Participation of the department in the courses offered by other departments:**

(i) B.E. Mechanical Engineering      (ii) B. Pharm      (iii) M.B.A.

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned *	Actual**
Professor	05	11
Associate Professors	08	07
Assistant Professors	12	34

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

**11. Faculty profile with name, qualification, designation and specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. S. Pugazhendhi	M.E., Ph.D.	Professor & Head	Manufacturing Management, Operations Research	36	05
Dr. K. Raghukandan	M.E., Ph.D.	Professor	Impact Engineering, Composite Materials, Materials Characterization	30	03
Dr. A. Jebaraj	M.E., Ph.D.	Professor	Machine Tool Design, Metal Machining	35	-
Dr. C. Muralidharan	M.E., Ph.D.	Professor	Operations Management, Total Quality Management	23	04

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. G. Ganesan	M.E., Ph.D.	Professor	Metallurgy, Composite Material, Metal Forming	26	04
Dr. V. Balasubramanian	M.E., Ph.D.	Professor	Materials Joining, Surface Engineering, Nano Technology	22	09
Dr. P. R. Lakshminarayanan	M.E., Ph.D.	Professor	Composites, Casting, Mechanics of Machines	22	04
Dr. V. Ravisankar	M.E., Ph.D.	Professor	Metal Joining Processes, Material Handling	21	02
Dr. T. R. Manoharan	M.E., Ph.D.	Professor	Industrial Engineering, Operations Research	24	-
Dr. S. Ramanathan	M.E., Ph.D.	Professor	Composite Materials, Metal Forming	17	02
Dr. S. Ravi	M.E., Ph.D.	Professor	Metal Joining Processes, Metallurgy, Mechanical Behaviour of Materials	17	03
Mr. P. Narender Singh	M.E	Asso. Prof.	Non-Traditional Machining, Computer Integrated Manufacturing, CNC & Robotics	25	-
Mr. S. Manickam	M.E	Asso. Prof.	on other duty as JOINT CONTROLLER OF EXAMINATIONS, Annamalai University		
Dr.R. Varahamoorthi	M.E.,Ph.D.	Reader	Surface Engineering, Metal Joining	17	02
Dr. K. Shanmugam	M.E.,Ph.D.	Asso. Prof.	Surface Engineering, Metal Joining	16	03
Dr. S. Malarvizhi	M.E.,Ph.D.	Asso. Prof.	Metal Joining, Metallurgy	17	01
Mr. S. Raju	M.E.	Asso. Prof.	Sheet Metal Forming, Operation Research	16	-
Mr. K. Balasubramanian	M.E.	Asso. Prof.	Metal Matrix Composites, Engineering Mechanics	16	-
Dr. V. Srinivasan	M.E.,Ph.D.	Asst. Prof.	Metallurgy, Tribology, Composite Materials	16	03
Dr.S.Chidambaranathan	M.E.,Ph.D.	Asst. Prof.	Production & Operation Management, Applied Statistics	16	01
Dr. S. Anbuselvan	M.E.,Ph.D.	Asst. Prof.	Operations Research, Composite Materials	14	02
Dr. B. K. Raghunath	M.E.,Ph.D.	Asst. Prof.	Metal Forming, Composite Materials, Mechanics of Machines	13	04
Mr. M. Mahalingam	M.E.	Asst. Prof.	Metal Forming, Tool Engineering	13	-
Ms. V. Sugandhi	M.E.	Asst. Prof.	Composites, Metal Joining, Engineering Ethics	13	-
Dr. D. Kanagarajan	M.E.,Ph.D.	Asst. Prof.	Non-Traditional Machining, Composites	13	04
Ms. S. Sundari	M.E.	Asst. Prof.	Sheet Metal Forming, Metal Machining	13	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Mr. K. Niranjan	M.E.	Asst. Prof.	Composite Materials, Production Technology	12	-
Mr. P. Sivaraj	M.E.	Asst. Prof.	Metal Joining Technology, Production Technology	12	-
Dr. C. Senthilkumar	M.E.,Ph.D.	Asst. Prof.	Engineering Mechanics , Non-Traditional Machining	12	-
Mr. M. Seeman	M.E.	Asst. Prof.	Mechatronics, Machining of Composites	12	-
Mr. R. Seetharaman	M.E.	Asst. Prof.	Metal Joining, Surface Engg.	12	-
Mr. C. R. Senthilkumar	M.E.	Asst. Prof.	Welding, Robotics	12	-
Mr. M. Jayakumar	M.E.	Asst. Prof.	Manufacturing Processes	11	-
Mr. N. Mohamad Raffi	M.E.	Asst. Prof.	Polymer Composites, Non- Destructive testing	11	-
Mr. P. Rajesekhar	M.E.	Asst. Prof.	Operation Research	12	-
Dr. RM. Nachiappan (on other duty as Deputy Controller of Examinations, AU)	M.E., MBA., Ph.D.	Asst. Prof.	World Class Manufacturing Systems, Quality Management	11	-
Mr. B. Asaithambi	M.E.	Asst. Prof.	Engineering Mechanics, Polymer Composites	11	-
Mr. V. Vembu	M.E.	Asst. Prof.	Material Characterization, Operations Research	11	-
Dr. S. Rajakumar	M.E., Ph.D.	Asst. Prof.	Metal Joining, Surface Engineering	11	02
Dr. G. Padmanaban	M.E., Ph.D.	Asst. Prof.	Metal Joining, Nano Technology	11	03
Dr. M. Rajamuthamil selvan	M.E. Ph.D.	Asst. Prof.	Composite Materials, Production Technology	11	-
Mr. V. Muthiah	M.E.	Asst. Prof.	Metal Joining, Metallurgy	10	-
Mr. K. Appoothiadigal	M.E.	Asst. Prof.	Powder Metallurgy, Manufacturing Processes	10	-
Mr. V. Satheeshkumar	M.E.	Asst. Prof.	Materials Testing, Material Characterization	10	-
Mr. A. Baskaran	M.E.	Asst. Prof.	Metallurgy, Production Technology	09	-
Mr. V. Chandrasekaran	M.E.	Asst. Prof.	Composite Material, Production Technology	09	-
Mr. I. Ashokkumar	M.E.	Asst. Prof.	Polymer Composite, Production Technology	08	-
Mr. V. Subravel	M.E.	Asst. Prof.	Metallurgy, Metal Joining Technology	08	-
Mr. T. V. Rajamurugan	M.E.	Asst. Prof.	Metal Machining, Manufacturing Processes	08	-
Mr. E. Ilanaganar	M.E.	Asst. Prof.	Composite Material, Manufacturing Processes	08	-
Mr. D. Thirumalai Kumarasamy	M.E.	Asst. Prof.	Surface Engineering, Nano Technology	08	-
Mr. S. Prabu	M.E.	Asst. Prof.	Production Technology	05	-

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:- Nil**

**13. Percentage of classes taken by temporary faculty – programme-wise information:-Nil**

**14. Programme-wise Student Teacher Ratio: - 1 : 10**

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:**

	<b>Actual</b>
Technical Staff	98
Administrative Staff	33

**16. Research thrust areas recognized by funding agencies:**

1. Materials Joining
2. Surface Engineering
3. Composite Materials
4. Light Alloys
5. Manufacturing Management

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received.**

<b>Project Title</b>	<b>Coordinator</b>	<b>Funding Agency</b>	<b>Year</b>	<b>Amount in Lakhs (Rs.)</b>
Development of friction stir welding tools for welding carbon steels and stainless steels using plasma transferred Arc hard facing	Mr. A.K. Lakshminarayanan Dr. V. Balasubramanian	DST-SERC-YS	2009-2012	18.00
Development of friction welding windows for dissimilar materials joining	Dr. S. Malarvizhi Dr. V. Balasubramanian	UGC – MRP	2010-2012	9.00
Development of friction welding windows for joining Magnesium alloys.	Dr. S. Malarvizhi Dr. V. Balasubramanian	AICTE-RPS	2010-2012	12.00
Enhancing the Mechanical Metallurgical properties of gas tungsten arc welded AZ31B magnesium alloy by pulsed current and magnetic arc oscillation	Dr. G. Padmanaban	UGC	2011	9.83
Evaluating tensile, impact, fatigue and fracture toughness properties of armour steel welds at zero and subzero temperatures	Dr. V. Balasubramanian	CVRDE	2011-2012	10.00
Improving erosion corrosion resistance of naval grade alloys by HVOF sprayed coatings	Dr. V. Balasubramanian Dr. S. Malarvizhi	DRDO-NRB	2011-2014	46.00
Studies on Thermal Cyclic Behaviour of Plasma Sprayed Lanthanum Zirconate Thermal Barrier Coatings	Dr. V. Balasubramanian Dr. K. Shanmugam	DRDO-ARDB	2011-2013	30.00
Development of super abrasive refractory tool material and tool design for friction stir welding of HSLA steel	Dr. V. Balasubramanian	NMRL-DRDO	2012-2013	20.00
Fatigue, Fracture Toughness and Ballistic Performance of AA2519-T87 aluminium alloys	Dr. S. Malarvizhi Dr. V. Balasubramanian	DRDO-ERIPR	2012-2015	30.00
Development of Reactive Thermal Plasma Reactor to synthesis SiAlON and Silicon Nitride from Fly ash	Dr. S. Malarvizhi Dr. V. Balasubramanian	Ministry of Environment and Forests	2012	85.00
Developing diffusion bonding processing windows for titanium alloys	Dr.S.Rajakumar	UGC-Major research	2012-2015	13.00
Stress corrosion behavior of friction stir welded AA7075 aluminium alloy	Dr.S.Rajakumar	DST-young scientist scheme	2012-2015	23.96

## 18. Inter-institutional collaborative projects and grants received: a) All India collaboration      b) International

### a) All India collaboration

Project Title	Coordinator	Funding Agency	Year	Amount in Lakhs (Rs.)
Development of process, tools and procedures for Friction Stir Spot Welding of Aluminium alloys	Dr. V. Balasubramanian Mr. G. Padmanaban	DRDO - ERIPR	2008-2010	11.50
Enhancement of ballistic performance of armour grade steel welds by PTA hard facing inter layers	Dr. V. Balasubramanian	DRDO - ARMREB	2008-2010	19.00
Modelling and simulation of Metal Matrix Composites	Dr.P.R.Lakshminarayanan Mr. V. Satheesh Kumar	ISRO	2007-2008	4.14
Design and Development of Computer Numerical Controlled Eco-Friendly welding machine	Dr. V. Balasubramanian	MEF-GOI	2007-2009	150.00
Development of Automobile engine components using Plasma sprayed MMC (Interdisciplinary)	Dr. V. Balasubramanian Dr. C.G. Saravanan	DRDO-VRDE	2007-2009	10.00

### 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:

Project Title	Coordinator	Funding Agency	Year	Amount in Lakhs (Rs.)
UGC-SAP-DRS Phase I	Dr. K. Raghukandan Dr. V. Balasubramanian	UGC	2009-2014	42.00
UGC SAP Research Assistantship for UG students.	Head of the Department	UGC	2009-2012	5.00
XI Plan Development Scheme	Head of the Department	UGC	2010	13.55
UGC Innovative programme	Dr. K. Raghukandan Dr. V. Balasubramanian	UGC	2010-2015	58.50
DST FIST Level - 2	Dr. K. Raghukandan Dr. V. Balasubramanian	DST FIST- Level 2	2010	380.00

### 20. Research facility / centre with

- state recognition
- national recognition
- international recognition

### 21. Special research laboratories sponsored by / created by industry or corporate bodies:- Nil

### 22. Publications:

- Number of papers published in peer reviewed journals (national / international) - 457 (Annexure - I)
- Monographs : Nil
- Chapters in Books : Nil
- Edited Books : Nil
- Books with ISBN with details of publishers: Nil



- Number listed in international database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index - range / average
- SNIP : 0.239 - 2.310
- SJR: : 0.125 - 1.608
- Impact Factor - range / average: up to 4.58 / 0.806
- h-index

**23. Details of patents and income generated:** Nil

#### **24. Areas of consultancy and income generated**

Furniture fabrication Projects of Annamalai University for various departments	2007	2008	2009	2010	2011	Total
Nos.	15	17	20	16	25	93
Amount (Rs. in Lakhs)	3.03	32.82	28.31	29.89	16.23	110.28

#### **25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad**

International: - Dr. K. Raghukandan, Professor has visited Japan to chair in the International Conference, held on September 2009.

National: - Dr. K. Raghukandan, Professor; Dr. V. Balasubramanian, Professor

#### **26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**

Dr. S. Pugazhendhi served as a member of the selection committee for the SERC board of UPSC during 2012 and 2013.

Dr. V. Balasubramanian served as an external expert for DRTC special review and assessment board in mechanical and automobile engineering for the year 2013-14 at CVRDE, Chennai during Jan 13-14, 2014.

#### **27. Faculty recharging strategies:**

Staff members are encouraged to participate in refresher programmes, Summer/Winter Schools, Conferences, Seminars, Workshops, and other orientation courses conducted by premier academic/research institutions.

#### **28. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects - 90%
- percentage of students doing projects in collaboration with other universities/ industry / institute - 10%

#### **29. Awards / recognitions received at the national and international level by**

##### Faculty

- Dr. N. Anantharaman and RM. Nachiappan received the First Prize in 2007 8th National Conference - Q Quest
- Dr. RM. Nachiappan received the Second Prize in 2007 8th National Conference - Q Quest
- Dr. V. Balasubramanian received the Distinguished Researcher Award in 2007 from Annamalai University

- Dr.RM. Nachiappan received the Best Technical Paper Presentation in 2007 by Anna University + TVS, Chennai.
- Dr.RM. Nachiappan received the Best Paper Award in 2007 Issue of Quality World National Journal
- Dr. K. Raghukandan received the Distinguished Teacher Award in 2008 from Annamalai University,
- Dr.RM. Nachiappan received the Best Technical Paper Award in 2008 from IISC, Bangalore.
- Dr. G. Padmanaban and Dr. V. Balasubramanian received the Best Paper Award in 2009 from Annamalai University,
- Dr. V. Balasubramanian received the Professor Placid Rodriguez Memorial Award in 2010 from Indian Institute of Welding.
- Dr. P.R. Lakshminarayanan Mr. K. Niranjan and received the Best Paper Award in 2010 from Norul Islam University, Kumarakoil.
- Dr. S. Ramanathan received the Best Researcher Award in 2011 from Annamalai University
- Dr. S. Malarvizhi, Reader, awarded as “Young Scientist Award” from Department of Science and Technology, New Delhi.
- Dr. V. Balasubramanian received Dr. DRG Achar Distinguished Academician Award 2013 from the Indian Welding Society, South Zone.
- Dr. S. Rajakumar received the UGC Research Fellowship Award for two years from Feb. 2014.
- Two of the research publications of Dr. S. Rajakumar have been listed among the top 25 most downloaded articles of Science Direct during January-March 2011.

#### Doctoral / post doctoral fellows

- Dr.RM. Nachiappan received the Best Ph.D. Award in 2008 from Annamalai University
- Dr. T.R. Manoharan received the Best Ph.D. Award in 2010 from Annamalai University

### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

#### International Conferences

Name of the Conferences	Sponsor	Year	Coordinator
India-Japan International Conference on Advances in Materials Processing	UGC	2009	Dr. K. Raghukandan Dr. K. Hokomatto Mr. P. Narender Singh

#### Seminars / National Conferences

Name of the Seminar/ Conferences	Sponsor	Year	Coordinator
National Conference on Recent Advancements in Surface Engineering ( RAISE - 2007)	TNCST, CSIR, DRDO, ARMREB & IWS	2007	Dr.V.Balasubramanian Dr. R. Varahamoorthi
National Conference on Production and Operation Management (POM - 2007)	UGC	2007	Dr. T. R. Manoharan Dr.S.Chidambaranathan
National Conference on Advances In Material Technology [AIMTECH - 2008]	UGC	2008	Dr. S. Ramanathan
National Conference on Recent Advancements in Manufacturing and Management (RAMM - 2008)	-	2008	Dr. G. Ganesan Dr. S. Ramanathan
Staff Development Programme on “Automotive materials and Electronics”	AICTE	2009	Dr. V. Balasubramanian Dr. C.G. Saravanan (Dept. of Mech. Engg.)
Environmentally Cleaner Welding Process	MOE & F, New Delhi	2009	Dr. V. Balasubramanian

Name of the Seminar/ Conferences	Sponsor	Year	Coordinator
National Conference on Welding Technologies	MOE & F, New Delhi	2009	Dr. V. Balasubramanian
“Eco - Friendly Welding Process” One day Awareness Workshop on Friction Stir Welding	MOE & F, New Delhi	2010	Dr. V. Balasubramanian
UGC - RCC sponsored - Refresher Course on “Pollution free Manufacturing of Composite Material and their Weldability”	UGC	2010	Dr. S. Ravi Dr. B.K. Raghunath Dr. D. Kanagarajan
National Workshop on Surface Engineering (SURE - 2010)	UGC - BRNS	2010	Dr. V. Balasubramanian
National Workshop on Metallographic Practices	-	2010	Dr. T.R. Manoharan
One day Awareness Workshop on Friction Stir Welding	MOE & F, New Delhi	2010	Dr. V. Balasubramanian
SCOPE'2011 Sustainable Material: Challenges and Opportunities in Polymer Composites Engineering.	UGC	2011	Dr. G. Ganesan Dr. V. Srinivasan Mr. B. Asaithambai
One day workshop on Fatigue Life Evaluation of Welds (FLEW)	UGC	2011	Dr. V. Balasubramanian Dr. S. Malarvizhi
Sustainable Manufacturing Systems (SMS'11)	UGC	2011	Dr.S.Chidambaranathan Dr. Rm. Nachiappan
Symposium for Research Scholar (SYRES 2012)	UGC	2012	Dr. V. Balasubramanian Dr. S. Malarvizhi
National Workshop on “Advances in Thermal analysis of Materials”-ATM-2012	UGC	2012	Dr. S. Ramanathan
Welding of Steels (WEST' 12)		2012	Dr. V. Balasubramanian Dr. S. Malarvizhi: Dr. K. Srinivasan
One day workshop on Laser Assisted Materials Processing (LAMP 12)		2012.	Dr. V. Balasubramanian Dr. S. Malarvizhi Dr. G. Padmanaban
Metallurgical Characteristics of Aluminium Alloys(MECAA'12)		2012	Dr. V. Balasubramanian Dr. S. Malarvizhi Mr. P. Sivaraj
International Workshop on “Friction Stir Welding (FSW'12),		2012	Dr. V. Balasubramanian Dr. S. Malarvizhi Dr. S. Rajakumar
One day seminar on Current Industrial Practices		2013	Dr. S. Ramanathan Mr. V. Muthiah Dr. RM. Nachiappan
One day workshop on High Temperature Properties of materials (HTPM)		2014	Dr. V. Balasubramanian
One day Conference on Friction Stir Welding of Steels (FSWS)	MOE & F, New Delhi	2014	Dr. V. Balasubramanian
Two day National Conference on recent Advances in Welding and Surface Engineering (RAWSE'14)	UGC	2014	Dr. S. Rajakumar Dr. K. Srinivasan

### 31. Code of ethics for research followed by the departments: --

The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices (GRP). All researchers follow the standard procedures for conducting research laid down by relevant scientific and professional bodies. Researchers are aware and comply with the ethical and legal requirements relating to disclosures of personal information, biodiversity protection before undertaking research.

### 32. Student profile course-wise

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.E. Mechanical Engineering (Manufacturing)(Full Time)		53	02	M- 95% F-100%	
M.E. Manufacturing Engineering (Full Time)	15	12	01	100%	100%
M.E. Manufacturing Engineering (Part time)	02	02			
M.E. Nano Materials and Surface Engineering (Full Time)	05	01		100%	
Ph.D. in Manufacturing Engineering.	12	11			

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the universities			
	the same university	within the State	outside the State	other countries
B.E. Mechanical Engineering (Manufacturing)(Full Time)		90%	10%	
M.E. Manufacturing Engineering (Full Time)	60%	20%	20%	
M.E. Manufacturing Engineering (Part time)	50%	50%		
M.E. Nano Materials and Surface Engineering (Full Time)		100%		
Ph.D in Manufacturing Engineering.	50%	40%	5%	5%

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. - Gate: 02**

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	20%
PG to M.Phil.	Not applicable
PG to Ph.D.	25%
Ph.D. to Post-Doctoral	
Employed	70%
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	20%
Entrepreneurs	10%

### 36. Diversity of staff :

Percentage of faculty who are graduates	
of the same university	66 %
from other universities within the State	30 %
from universities from other States	04 %
from universities outside the country	-

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period - Ph.D - 10 Nos.**

### 38. Present details of infrastructural facilities with regard to

a) **Library:** - Apart from the University library and the Faculty library, a department library is available which houses about 900 text books and the Ph D theses and project reports of UG and PG courses are maintained for students' use.

b) **Internet facilities for staff and students:** - Internet facility is available in many laboratories and about 10 internet ports are available in the department for use by students and staff.

c) **Total number of class rooms:** - Classrooms are available in the FEAT campus as a common facility.

d) **Class rooms with ICT facility**

e) **Students' laboratories: 15**

## f) Research laboratories: 11

Laboratory / Shop	Area in Sq.m.	Laboratory / Shop	Area in Sq.m.
Carpentry Shop & Pattern Shop	470	SEM Laboratory	55
Fitting Shop	140	DST-FIST Laboratory	265
Sheet Metal Shop	170	High-Temperature Laboratory	105
Foundry Shop	260	Thermal Spray Laboratory	105
Machine Shop	560	Materials Joining Laboratory	222
Special Machines Shop	280	Plasma Spraying Laboratory	56
Metrology Laboratory	180	Modelling & Simulation Laboratory	56
Metallurgy Laboratory	105	Physical Metallurgy Laboratory	56
Material Testing Laboratory	120	Corrosion Testing Laboratory	56
Metal Forming Laboratory	100	Tribology Laboratory	56
Non-Traditional Machining Laboratory	100	Mechanical Testing Laboratory	56
Metal Joining Laboratory	430	Stores and office	250
Computer Laboratory	145	Staff rooms	165
Computer Integrated Manufacturing Laboratory and Mechatronics Laboratory	105	Classrooms and Library	325

## 39. List of doctoral, post-doctoral students and Research Associates

## a) from the host university

Dr. S. Malarvizhi	Dr. C. Senthilkumar	Mr. R. Ashok Gandhi
Dr. D. Kanakarajan	Dr. K. Srinivasan	Mr. P. Vijayavel
Dr. B. K. Raghunath	Dr. P. Sivaprakash	Dr. A.K. Lakshminarayanan
Dr. Rm. Nachiappan	Dr. G. Magudeeswaran	Dr. C. S. Ramachandran
Dr. V. Srinivasan	Mr. V. Sivaramakrishnan	Mr. Rajaravi
Dr. S. Chidambaranathan	Dr. R. Rajesh	Mr. Kamal Jayaraj
Dr. T. R. Manoharan	Dr. T. Parameshwaran Pillai	Mr. N. Sivagurumanikandan
Dr. G. Padmanabhan	Dr. R. Karthikeyan	Mr. C. Rajendran
Dr. S. Anbuselvan	Dr. R. Paventhan	Mr. I. Rajkumar
Dr. S. Rajakumar	Dr. M. Vetrivel Sezhian	Mr. G. Sivakumar
Dr. M. Rajamuthamil Selvan	Dr. A. M. Shanawaz	

## b) from other universities:

Dr. A. Jebaraj	Mr. P. Manavalan	Mr. S. Raghunathan
Dr. G. Mahendiran	Mr. J. Jayakumar	Mr. K. Dheenadayalan
Dr. T. S. Blalsubramanian	Mr. K. L. Jayaraj	Mr. S. Gnanasekaran
Dr. V. A. Nagarajan	Mr. N. Ramanujam	Mr. M. Manikandan
Dr. Babu Autherson	Mr. P. Govindan	Mr. P. Govindan
Dr. R. Nagalingam	Mr. M. Vignesh Kumar	Mr. S. Krishnamohan
Mr. Sree Sabari	Mr. M. Viswanathan	Mr. R. Sathiyamoorthy
Mr. M. Anandajothi	Mr. P. Manavalan	Mr. G. Elango
Mr. P. Senthilkumar	Mr. J. Jayakumar	Mr. R. Senthilkumar
Mr. A. Umesh Bala	Mr. K. L. Jayaraj	Mr. P. A. Azeem Hafiz
Mr. K. Karthick	Mr. K. J. Sabaresan	Mr. K. J. Sabaresan
Mr. S. Vignesh	Mr. M. Vignesh Kumar	Mr. P. Prabhu Raj
Mr. N. Sreekanth	Mr. S. Murali	Mr. Lalu Gladson Robin
Mr. J. Pasupathy	Mr. C. Thiruvikraman	Mr. Francis Luther King
Mr. S. Ramesh	Mr. M. Vinothkumar	

## 40. Number of post graduate students getting financial assistance from the university? Nil

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:** No

**42. Does the department obtain feedback from**

(a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The Faculty members are requested to give their inputs for the revision and upgradation of syllabus periodically and the same are included suitably in the curriculum in consultation with the Board of Studies Members.

(b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

At the end of every semester, the feedback from students on the programme as a whole and the contents of syllabus and also on the teachers are obtained and their feedback are taken into consideration for overall improvement of curriculum suitably.

(c) alumni and employers on the programmes offered and how does the department utilize the feedback?

Periodically the course contents are sent for critical evaluation by the alumni and the suggestions are well taken for the updation.

**43. List the distinguished alumni of the department (maximum 10)**

Name	Position
Dr. N. Anantharaman	Faculty, Dept. of Mechanical Engg, University of West Indies, Trinidad
P. Iyyamperumal	Director, TNSC for Science and Technology, Chennai.
P. Aravindan	Asst. Professor, IIT, New Delhi.
J. K. Sarin Sundar	Scientist - C, Intl Adv Research Centre for Powder Metallurgy & New Materials (ARCI)
A. Velayudham	Scientist 'D' CVRDE, Chennai
Harish Venkatachalam	Project Manager, Sony Electronics, USA
M.P. Balachandar	Squadron-Leader, IAF, Agra
Arun Ratesh	Executive Marketing, Saud Bahwan Automotive LLC, Muscat
Subram Natarajan	Vice President, IBM
M. Kannan	Tech Lead, State Street Corp., Boston

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Special Lectures

- Dr. V. Muthupandi, BHEL, Trichy, "Surface Characterization using XRD Techniques" 6<sup>th</sup> August, 2011.
- Mr. Harish Shankaran, Satyam Computer, Chennai "Personal Enhancement Programme" on April 4<sup>th</sup> 2010.
- Prof. Dr. Ing. Adolf. F. Hobbacher, Emeritus Professor, Germany, "Fatigue life evaluation of welded joints: standards and codes", 29<sup>th</sup> July 2011.
- Dr. Viswanathan has presented a lecture about Yoga Activities on October 11, 2009 at AUMTEC'71 Hall, FEAT in view of India-Japan International conference.

**45. List the teaching methods adopted by the faculty for different programmes.**

- (i) LCD                      (ii) CD                      (iii) ICT                      (iv) CBT

**46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Through feedback from the teachers and students at the end of every semester

#### **47. Highlight the participation of students and faculty in extension activities.**

The following kinds of extra-curricular and co-curricular activities were conducted.

- The Department General orientation program has been inaugurated and program addressed by Dr. T.R. Jeyaraj, NSS Co-ordinator of Annamalai University held on December 26<sup>th</sup> 2011.
- 33 volunteers (Manufacturing Engg. final year & pre-final year students) participated in the Hundi assistance and management activating at Govindaraja Perumal Koil, Chidambaram one day. The trustee and the government officials appreciated the effects made by the students held on January 2012.
- Manufacturing Engg final year students volunteers participated in the Motor cycle rally from Annamalainagar to Sriperampudur and attend the awareness program day at Rajiv Gandhi centre for youth development (RGYID) on 26 and 27<sup>th</sup> January 2012.
- Manufacturing final year students participated in the National level youth leadership Camp at Annamalai University from 04.01.2012 to 06.01.2012.
- 28 volunteers (Final year and pre-final year) participated in manufacturing department campus cleaning programme on 17.02.2012
- One day Industrial visit to BHEL (WRI} Trichy on 24.09.2011), 55 students and two staff members participated in this visit.

#### **48. Give details of “beyond syllabus scholarly activities” of the department.**

- i. Regular Industrial visits are organized every year.
- ii. Special lectures are delivered, periodically, by eminent scholars from both National and International institutes.
- iii. Special lectures are arranged by inviting company personalities to have industrial interaction

#### **49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- B.E. Mechanical Engineering (Manufacturing) - F. No. 730-52-205/RC/94 dated 22.05.2003
- M.E. Manufacturing Engineering - F. No. 441/GEN/BOS(PG)95 dated 21.08.2003
- The department has attained the UGC-SAP assisted-department status in the year 2009 - F.3-36/2009 (SAP-II) dated 31.03.2009
- The department has become the DST-FIST Level 2 department in the year 2011 - Ministry of Science and Technology, Department of Science and Technology (SERC Division) letter No. SR/FST/ETII-041/2010(c) dated 23.05.2011

#### **50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

The Department of Manufacturing Engineering is actively engaged in research in Materials joining, Surface Engineering Composite Materials and Eco-Friendly Materials.

Extensive research is in progress in the area of Materials Joining of newer materials (Al-Li alloys, Al-SiCp Composites) and Conventional welding processes, Laser Beam Welding and Diffusion Bonding. Hard facing and plasma arc spraying are being investigated. The faculty members have designed and developed custom made friction stir welding and friction welding machines.

Research scholars in the department are actively involved in research in the area of materials processing which comprises Hot working of Exotic Materials, traditional and non-traditional machining of composites, high speed forming (explosive forming and cladding), and explosive welding of Ti /SS alloys.

The composite materials research group includes fabrication of metal matrix composites through powder metallurgy and stir casting. Ceramic matrix composites are also produced through powder metallurgy. Manufacturing of polymer based nano-composites is also under investigation.

The contributions in terms of research papers, discussions made with the researchers of other Institutions (both at National and International level) fetched collaborative projects to take up research in surface engineering, material joining, metal matrix composite, etc. This facilitates the exchange of students and Faculty between the laboratories to learn state of the techniques. These progresses have fetched a grant of Rs. 1114.35 lakhs from various research organizations.

### **51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

#### **Strengths:**

- Receipt of many departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.
- UGC SAP assisted DRS Department status.
- Award of DST FIST Level 2 status with Potential for Excellence (*Highest in India in this category for 2010-2011*).
- MoU signed with Mailam Industries Pvt. Ltd., Pondicherry, for sponsorship of 3 Ph. D Candidates
- 100% campus placement for the students of B.E. Mechanical Engineering (Manufacturing) of 2007-2011 batch.

#### **Weaknesses:**

- The institution is situated in a rural area.
- Inbreeding.
- Still more efforts are needed to have collaboration in newer areas in fields such as Welding, Surface Engineering, Composite material, Explosive forming at National and International level.

#### **Opportunities:**

- Availability of funds with various government agencies for academic research

#### **Challenges:**

- Establishing collaboration with other eminent scholars in newer fields of research
- Getting funds to visit foreign universities for the purpose of attending seminars, symposia, etc and to seek more collaboration

### **52. Future plans of the department.**

#### **(A) Materials Joining & Surfacing**

##### **2013-2014**

- Development of Friction Stir Welding Window for Aluminium alloys, Magnesium alloys and Metal Matrix Composites.
- Developing Friction Stir Spot (FSSW) process, procedures and tools for joining aluminium, magnesium and copper alloys
- Development of process and procedures for Friction Surfacing of materials (MS/Al; MS/SS; MS/Ti; SS/Al; SS/Cu; SS/Ti; Al/MMCs)
- Improving Fatigue Crack Growth Resistance of Materials by Friction Stir Processing and Cryogenic Treatments



- Development of Thermal Barrier Coatings using Atmospheric Plasma Spraying (APS), High Velocity Oxy-Fuel (HVOF) Spraying and Laser hardening
- Development of Wear Resistant and Corrosion Resistant Coatings by APS, HVOF Spraying and Laser hardening.

**2014-2015**

- Explosive cladding, forming and form-cladding of Dissimilar Materials (SS/Ti; Al/Ti; Alloys/MMCs)
- Development of Diffusion Welding Windows for dissimilar materials joining (SS/Ti; Al/Ti; Metal/MMCs; Metal/Ceramics; MMC/Ceramics).
- Development of Friction Welding Windows for dissimilar materials joining (SS/Ti, Al/Ti, Al/SS; Metal/MMCs; Metal/Ceramics; MMC/Ceramics).

**2015-2016**

- Development of Hybrid Composite coatings by APS, HVOF and Laser Surfacing processes.
- Development of Functionally Graded Materials (FGM) by APS and HVOF methods
- Development of Bio-Ceramic Coatings (BCC) by APS, HVOF and Laser Surfacing
- Development of Chemical Barrier Coatings by APS, HVOF and Laser Surfacing

**2016-2017**

- Development of high temperature super conductive coatings (HTSC) by APS, HVOF, Laser Surfacing, PVD and CVD.
- Development of nano-composite coatings for temperature, wear and corrosion resistance applications using PVD and CVD.

**(B) Polymer Matrix Composites****2013-2014**

- Homogeneous mixing and blending of Matrices (Polymers such as Polyamide and Cardonal), Fillers, additives and reinforcements (Glass and Banana fibers) with the help of Twin Screw Extruder to form pellets.
- Feeding of pellets into the Injection Molding Machine to manufacture polymer matrix composites specimen for evaluating the properties like chemical, physical, mechanical, thermal and tribological properties.
- To study the influence of different processing methods (Hand layup, compression molding and Injection Molding) for the manufacturing of polymer matrix composites
- Development of Wear Mechanism Maps for Glass Fiber reinforced polyamide composites using Multi Specimen wear tester.
- Determination of Glass Transition temperature, cold crystallization, phase changes, melting and oxidative stability of Banana fiber reinforced cardinal matrix composites.

**2014-2015**

- Manufacturing of Nano particle filled Polyamide Matrix composites using Brabender Plastic Corder/Mixer.
- Determination of thermal stability of (decomposition temperature) Polymer Matrix Nano composites.
- Manufacturing of Bio-Polymer (UHMWPE, XLPE AND PTFE) matrix composites for the application of Hip prosthesis joints.

**2015-2016**

- Dynamic mechanical analysis of randomly oriented intimately mixed short banana/sisal hybrid fiber reinforced Castoral composites.
- Measurement of dimensional and visco elastic changes of the composites with respect to temperature using Thermo mechanical Analyzer (TMA).
- Dynamic mechanical analysis of Bio-Polymer matrix composites

**2016-2017**

- Study on tribological characterization of Bio-Polymer matrix composites using Multi Tribo Tester offering combined rolling / sliding tests.
- To study the interfacial shear strength (IFSS) of the bond between a reinforcing fiber and its surrounding matrix.
- Application of Finite Element modeling for studying the tribological behaviour.

## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

**1. Name of the Department:-** Electrical & Electronics Engineering

**2. Year of establishment: -** 1945

**3. Is the Department part of a School/Faculty of the University?**

Yes, Faculty of Engineering & Technology

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

U.G.: - B.E(Electrical and Electronics)

B.E(Electronics and Communication)

P.G.: - M.E (Power Systems)

M.E(Smart Energy Systems)

Ph.D.: - Electrical Engineering

Integrated Masters: - Electronics and Communication

**5. Interdisciplinary courses and departments involved**

The Department offers an interdisciplinary post graduate course M.E (Smart Energy Systems) from the academic year 2013-14 through UGC sponsored Obama – Singh Knowledge Initiative Award. The Department of Electronics and Instrumentation and Department of Computer Science and Engineering are involved in this programme.

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

The Department offers M.E (Smart Energy Systems) in collaboration with Tennessee Technological University, USA.

**7. Details of programmes / courses discontinued, if any, with reasons: -** Nil

**8. Annual/ Semester/Choice Based Credit System**

The programmes in Dept are designed in the CBCS pattern.

**9. Participation of the department in the courses offered by other departments**

The faculty in this department handle courses for students in the related subjects in the Department of Mechanical Engineering, Manufacturing Engineering, Computer Science Engineering and Electronics and Instrumentation Engineering.

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned *	Actual **
Professor	03	16
Associate Professors	10	06
Asst. Professors	20	122

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

### 11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. S. Velusami	Ph.D	Prof. & Head and Dean, FEAT	Power System	34	6
Dr. N. Kumarappan	Ph.D	Professor	Power System	27	3
Prof. P. Kailasapathy	M.E.	Professor	Power System	33	
Dr. S. Subramanian	Ph.D	Professor	Power System	22	9
Dr. M. Ramaswamy	Ph.D	Professor	Power System	28	4
Dr. R. K. Santhi	Ph.D	Professor	Power System	27	
Dr. B. Baskaran	Ph.D	Professor	Power System	27	
Dr. I. A. Chidambaram	Ph.D	Professor	Power System	26	3
Dr. P. AravindhaBabu	Ph.D	Professor	Power System	21	5
Dr. G. Mohan	Ph.D	Professor	Power System	26	
Dr. S. Ganapathy	Ph.D	Professor	Power System	22	
Dr. G.Yamuna	Ph.D	Professor	Image Processing	22	
Dr. M.M.T.Ansari	Ph.D	Professor	Power System	21	
Dr. S. Singaravelu	Ph.D	Professor	Power System	21	1
Dr. R. Neela	Ph.D	Professor	Power System	21	
Dr. R. Ashok Kumar	Ph.D	Professor	Power System	20	
Mr. T. Ravichandran	M.E(PS)	Assoc..Prof	Biomedical	24	
Dr. R. Arivoli	Ph.D	Assoc..Prof	Power System	21	
Dr.L.Lakshminarasimman	Ph.D	Assoc..Prof	Power System	20	
Dr. M. Anitha	Ph.D	Assoc..Prof	Power System	17	
Mr. ND. Sridhar	M.E(PS)	Assoc..Prof	Power System	17	
Dr. G. Balamurugan	Ph.D	Assoc..Prof	Power System	16	
Dr. Ms. A. Ezhilarasi	Ph.D	Asst.Prof	Power System	14	
Mr. A.S.Kannan	M.E(PS)	Asst.Prof	Power System	22	
Dr. K. Gayathri	Ph.D	Asst.Prof	Power System	14	
Dr.V. Padmathilagam	Ph.D	Asst.Prof	Power Electronics	14	
Dr. S. Padma	Ph.D	Asst.Prof	Power System	13	
Dr. R. Kannan	Ph.D	Asst.Prof	Power System	13	
Dr. R. Bensraj	Ph.D	Asst.Prof	Power Electronics	13	
Mr. B.Rajagopal	M.E(PS)	Asst.Prof	Power System	12	
Dr. S.Sasikumar	Ph.D	Asst.Prof	Power System	12	
Dr. R.AshokBakkiyaraj	Ph.D	Asst.Prof	Power System	12	
Dr. M.Arun	Ph.D	Asst.Prof	Power System	12	
Dr. N.Radhakrishnan	Ph.D	Asst.Prof	Power System	12	
Mr. B.Santhana Krishnan	M.E(PS)	Asst.Prof	Power System	12	
Mr. R.Francis	M.E(PS)	Asst.Prof	Power System	12	
Mr. G.Balasubramanian	M.E(PS)	Asst.Prof	Power System	12	
Dr.Ms. C.Mahalakshmi	Ph.D	Asst.Prof	Power System	12	
Mr. N. Mohandas	M.E(PS)	Asst.Prof	Power System	12	
Mr. G.Balaji	M.E(PS)	Asst.Prof	Power System	11	
Mr. M. Siva	M.E(PS)	Asst.Prof	Power System	11	
Dr. S.Ganesan	Ph.D	Asst.Prof	Power System	11	
Mr. M.Sundararajan	M.E(PS)	Asst.Prof	Power System	11	
Dr. R.Balamurugan	Ph.D	Asst.Prof	Power System	11	
Mr. V. Adhimoorthy	M.E(PS)	Asst.Prof	Power System	11	
Dr. B.Paramasivam	Ph.D	Asst.Prof	Power System	12	
Mr. S.Venkatraj	M.E(PS)	Asst.Prof	Power System	11	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Ms. G.Rajalakshmi	M.E(PS)	Asst.Prof	Power System	11	
Mr. K. Asokan	M.E(PS)	Asst.Prof	Power System	11	
Mr. C.Sasi	M.E(PS)	Asst.Prof	Power System	11	
Mr. K.Chandrasekar	M.E(PS)	Asst.Prof	Power System	10	
Mr. G.Ramprabu	M.E(VLSI)	Asst.Prof	VLSI	11	
Mr. K.Jothinathan	M.E(PS)	Asst.Prof	Power System	10	
Mr. T.A. Ramesh Kumar	M.E(PS)	Asst.Prof	Power System	10	
Mr. P.SPrakash	M.E(PS)	Asst.Prof	Power System	10	
Dr. R.Anandha Kumar	Ph.D	Asst.Prof	Power System	10	
Ms. M.Vanithasri	M.E(PS)	Asst.Prof	Power System	10	
Mr. S.Ramesh Kumar	M.E(PS)	Asst.Prof	Power System	10	
Ms. R.Brinda	M.E(PCI)	Asst.Prof	Process Cont & Inst	10	
Mr. E. Gnanamonoharan	M.E(PCI)	Asst.Prof	Process Cont & Inst	9	
Ms. K. Kavitha	M.E(PS)	Asst.Prof	Power System	9	
Mr. S. Muruganantham	M.E(PCI)	Asst.Prof	Process Cont & Inst	9	
Mr. R. Tamizhselvan	M.E(PS)	Asst.Prof	Power System	9	
Mr. S. Sivagnanam	M.E(PCI)	Asst.Prof	Process Cont & Inst	9	
Ms. R.Geetha	M.E(PS)	Asst.Prof	Power System	9	
Mr.R.Ramachandran	M.E(PS)	Asst.Prof	Power System	9	
Dr. V.P.Sakthivel	Ph.D	Asst.Prof	Power System	9	
Mr. S.Karthikeyan	M.E(PS)	Asst.Prof	Power System	9	
Ms. R.Gayathri	M.E(PCI)	Asst.Prof	Process Cont & Inst	8	
Mr. S. Rajasomashekar	M.E(PS)	Asst.Prof	Power System	9	
Mr. W. RayezAhamed	M.E(PCI)	Asst.Prof	Process Cont & Inst	8	
Ms. M.R.Sathya	M.E(PS)	Asst.Prof	Power System	8	
Ms. M.Kalpanadevi	M.E(PS)	Asst.Prof	Power System	8	
Mr. R.Arunmozhi	M.E(PCI)	Asst.Prof	Process Cont & Inst	8	
Mr. R.Tamilselvan	M.E(PCI)	Asst.Prof	Process Cont & Inst	8	
Mr. S.Seenivasan	M.E(PS)	Asst.Prof	Power System	8	
Mr. B.Giridhar	M.E(PCI)	Asst.Prof	Process Cont & Inst	8	
Mr. B.Ganesan	M.E(PCI)	Asst.Prof	Process Cont & Inst	8	
Mr. G.Saravanan	M.E(PCI)	Asst.Prof	Process Cont & Inst	8	
Dr. P.D.Sathya	Ph.D	Asst.Prof	Image Processing	8	
Mr. S.Anbazhagan	M.E(CSI)	Asst.Prof	Computer Sci.	8	
Ms. J.Radha	M.E(PS)	Asst.Prof	Power System	8.5	
Mr. M. Veerappan	M.E(PCI)	Asst.Prof	Process Cont & Inst	7.1	
Mr. K.Devarajan	M.E(PCI)	Asst.Prof	Process Cont & Inst	8.1	
Ms. M.Abirami	M.E(PS)	Asst.Prof	Power System	8.3	
Mr. P.SakthiBalan	M.E(CSI)	Asst.Prof	Computer Science	8.1	
Mr. N.Jayakumar	M.E(PS)	Asst.Prof	Power System	8	
Ms.P.Vimala	M.E(PCI)	Asst.Prof	Process Cont & Inst	7.9	
Mr.B.Sudhakar	M.E(PCI)	Asst.Prof	Process Cont & Inst	7.9	
Mr.E.B.Elanchezhian	M.E(PS)	Asst.Prof	Power System	7.9	
Mr.R.Venkadesh	M.E(PS)	Asst.Prof	Power System	7.9	
Mr.B.Udayasuriyan	M.E(PS)	Asst.Prof	Power System	7.9	
Mr.J.AhamedJillaniBasha	M.E(PS)	Asst.Prof	Power System	7.9	
Ms.B.Thamaraiselvi	M.E(PCI)	Asst.Prof	Process Cont & Inst	7.2	
Mr.N.J.Vinothkumar	M.E(PS)	Asst.Prof	Power System	7.4	
Mr.E.R.Biju	M.E(PS)	Asst.Prof	Power System	7.6	
Mr.R.Sakthivel	M.E(PS)	Asst.Prof	Power System	7.6	
Mr. G.Girishkumar	M.E(PS)	Asst.Prof	Power System	7.2	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Ms. K.Padmapriya	M.E(Com.Sys)	Asst.Prof	Communication	6.1	
Mr. R.Karthikeyan	M.E(PS)	Asst.Prof	Power System	6.1	
Mr. M.Kennady	M.E(PS)	Asst.Prof	Power System	6.1	
Dr. J.Ravikumar	Ph.D	Asst.Prof	Power System	6.1	
Mr. B.Mugunthan	M.E(PS)	Asst.Prof	Power System	6.1	
Mr. M.Selvakumar	M.E(PCI)	Asst.Prof	Process Cont & Inst	6.1	
Ms. M.Priyadharshini	B.E(EEE)	Asst.Prof	Electrical& Electronics	6	
Dr.Mrs. R. Jayanthi	Ph.D	Asst.Prof	Power System	6	
Mr. R. Thirunavukkarasu	M.E(PS)	Asst.Prof	Power System	6	
Mr. J. Ramesh Kumar	M.E(PS)	Asst.Prof	Power System	6	
Mr. P.Venkatasubramanian	M.E(PS)	Asst.Prof	Power System	6	
Mr. P.Kalyansundaram	M.E(PS)	Asst.Prof	Power System	6	
Mr. P.Senthilkumar	M.E(PS)	Asst.Prof	Power System	6	
Mr. S.Vadivel	M.E(PS)	Asst.Prof	Power System	5.9	
Mr. A.Charles	M.E(PCI)	Asst.Prof	Process Cont & Inst	5.9	
Ms. C.KarthikaPragadeeswari	M.E(CSI)	Asst.Prof	Computer Science	5.9	
Ms. G.Dhevanandhini	M.E(PCI)	Asst.Prof	Electronics &Comm	5.9	
Ms. R.Durga	M.E(PCI)	Asst.Prof	Electronics &Comm	5.9	
Mr. KT.Venkatraman	M.E(PS)	Asst.Prof	Elec. & Electronics	5.9	
Mr.B.Rajeshkanna	M.E(PCI)	Asst.Prof	Electronics &Comm	5.9	
Mr.A.Senthilvadivu	M.E(PS)	Asst.Prof	Elec. & Electronics	5.9	
Mr.M.Mathivanan	M.E(PS)	Asst.Prof	Elec. & Electronics	5.9	
Ms.R.Sripriya	M.E(PS)	Asst.Prof	Power System	5.9	
Ms.P.Vidhya	M.E(PS)	Asst.Prof	Elec. & Electronics	5.9	
Mr. N.Kaladharan	M.E(CSI)	Asst.Prof	Computer Science	5.9	
Mr.K.Thamizhmaran	M.E(PCI)	Asst.Prof	Electronics &Comm	5.9	
Mr.V.Rajeshkanna	M.E(PCI)	Asst.Prof	Electronics &Comm	5.9	
Mr.S.Mohan	M.E(PCI)	Asst.Prof	Electronics &Comm	5.9	
Mr.K.Karthikeyan	M.E(PS)	Asst.Prof	Elec. & Electronics	5.9	
Mr. S.Durai	M.E(PS)	Asst.Prof	Elec. & Electronics	5.9	
Mr.J.Vinothkumar	M.E(PS)	Asst.Prof	Elec. & Electronics	5.9	
Mr.B.Baskar	M.E(PS)	Asst.Prof	Elec. & Electronics	5.9	
Mr.T.Balamurugan	M.E(PCI)	Asst.Prof	Electronics &Comm	5.9	
Mr.J.Rangaraj	M.E(PCI)	Asst.Prof	Electronics &Comm	5.9	
Mr.G.R.Annushakumar	M.E(PCI)	Asst.Prof	Electronics &Comm	5.9	
Mr. J.Thirunavukkarasu	M.E(PS)	Asst.Prof	Elec. & Electronics	5.8	
Mr. T.Shankar	M.E(PCI)	Asst.Prof	Electronics &Comm	5.7	
Mr. P.Balachandar	M.E(PS)	Asst.Prof	Elec. & Electronics	5.7	
Mr. S.Ezhil	M.E(PS)	Asst.Prof	Power System	5.7	
Mr.T.Mohandoss	M.E(PCI)	Asst.Prof	Electronics &Comm	5.6	
Mr. A.Dinesh	M.E(PCI)	Asst.Prof	Electronics &Comm	5.6	
Mr. V. Vasudevan	M.E(PS)	Asst.Prof	Elec. & Electronics	5.6	
Ms. M. Poonkodi	M.E(PS)	Asst.Prof	Elec. & Electronics	5.5	
Mr. S.Kulothungan	B.E(ECE), M.Tech. (CSE)	Asst.Prof	Comp. Sci. &Engg.	5.5	
Mr. D.Balakumar	M.E(PCI)	Asst.Prof	Electronics &Comm	5.5	
Mr.M.Sathish	M.E(PS)	Asst.Prof	Elec. & Electronics	5.5	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:- Nil**

**13. Percentage of classes taken by temporary faculty - programme-wise information: - Nil**

#### 14. Programme-wise Student Teacher Ratio

UG	- B.E(Electrical and Electronics)	: 3:1
	- B.E(Electronics and Communication)	: 3:1
PG	- M.E (Power Systems)	: 2:1
	M.E (Smart Energy Systems)	: 2:1

#### 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Actual
Technical Staff	158
Administrative staff	15

#### 16. Research thrust areas recognized by funding agencies

Power System; Image Processing;

#### 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

UGC Grant – Obama-Singh Knowledge Initiative Award (2013)

#### 18. Inter-institutional collaborative projects and grants received

a) All India collaboration b) International

UGC OBAMA – SINGH Knowledge Initiative Award

#### 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. :- Nil

#### 20. Research facility / centre with

- state recognition - Nil
- national recognition - Nil
- international recognition - Tennessee Technological University, USA

#### 21. Special research laboratories sponsored by / created by industry or corporate bodies :- Nil

#### 22. Publications:

- Number of papers published in peer reviewed journals (national / international): 185 (Annexure – I)
- Monographs - Nil
- Chapters in Books : - 01
- Books edited - Nil
- Books with ISBN with details of publishers: - 03
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, EBSCO host, etc.)
- Citation Index – range / average : 1 – 30
- SNIP
- SJR
- Impact Factor – range / average : 0.460 – 3.432
- h-index

#### 23. Details of patents and income generated :- Nil

#### 24. Areas of consultancy and income generated :- Nil

## 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad

The faculty has bagged the UGC sponsored 21<sup>st</sup> century knowledge Initiative (DSI) award for the period 2013-2016.

Dr.S.Ganapathy first faculty visitor has visited Schneider electric, Nashville Electric Science (NES) on Nov 15<sup>th</sup> and Cookville substation on Nov 25<sup>th</sup> at Tennessee Technological University, USA during his visit from Nov 5<sup>th</sup> to Dec 6<sup>th</sup>, 2013.

Dr. M.M.T. Ansari, Professor of Electrical Engineering has visited Smart grid laboratory at Tennessee Technological University, USA during his visit from Jan23<sup>th</sup> to Feb 20<sup>th</sup>, 2014.

## 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

- National Committee: Dr. S. Velusami is a member of AICTE
- Editorial Board:  
Dr. S. Velusami is an editorial member in International Journal of Development Research  
Dr.I.A. Chidambaram is an associate editor in International Journal of Engineering Science, Technology and Innovation.

## 27. Faculty recharging strategies

The faculty members are required to attend short term programmes, refresher courses, symposium, conference, workshop as part of their career advancement schedule to update their knowledge and keep pace with the recent development in the subjects. Such programmes are also periodically conducted by the various departments for the benefit of Faculty members.

## 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects - 80%
- percentage of students doing projects in collaboration with other universities / industry / institute - 20%

## 29. Awards / recognitions received at the national and international level by

- Faculty : 04

Name & Designation	Award/Recognition
Dr. S. Velusami, Prof & Head	UGC sponsored OSI programme Director
Dr. N. Kumarappan, Professor	IEEE Secretary, Madras section Board of Studies member in Coimbatore Institute of Technology Academic Council member in SVMV University
Dr. S. Subramanian, Professor	Board of Studies member in - Bharathidasan University - National Engineering College Board of Selection member in Pondicherry Engineering College
Dr. M. Ramaswamy, Professor	Board of Studies member in - AlagappaChettiar College of Engineering & Technology - KSR College of Engineering - SASTRA University
Dr. I.A. Chidambaram, Professor	Board of Studies member in Anna University of Technology, Coimbatore.

- Doctoral / post doctoral fellows : 01

Dr. R. Bhuvanewari obtained the BOYSCASTE Fellowship (DST) to pursue Post Doctoral Fellowship in CAPS at Florida State University, USA during May 2009 – May 2010.

- Students : Nil

### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Seminars Title	Source of Funding	Duration of Seminar
Recent Trends in Renewable Energy Conversion System and Applications	UGC	March 25 - 26, 2007
Power electronics, drives and energy Conversion systems	UGC	March 22 - 23, 2008
Planning, Operation and Control of interconnected Power Systems	UGC	March 14 - 15, 2009
Trends and Issues in Signal Processing Research	UGC	March 06 - 07, 2010
Congestion Management and Restructured Power Systems	UGC	March 11 - 12, 2011
Recent Developments in Large Scale Power Systems	UGC	March 17 - 18, 2012
Smart Energy Systems	Self Support	March 9 - 10, 2013

### 31. Code of ethics for research followed by the departments

- The Departments are motivated to focus on the research activity pertaining to the current and future needs of the society.
- A Doctoral committee consisting of HOD, three Senior professors and the research supervisor reviews and monitors the research work

### 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.E. Electrical & Electronics		341	56	95.6	98
B.E Electronics and Communication		338	153	93.5	100
M.E Power Systems		48	18	97.9	100
Ph.D Electrical Engineering					

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.E (Power Systems)	60	40	NIL	NIL
Ph.D	79	20	1	NIL

### 34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. :- Nil

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	70
PG to M.Phil.	NIL
PG to Ph.D.	20
Ph.D. to Post-Doctoral	- - -
Employed	
• Campus selection	20
• Other than campus recruitment	30
Entrepreneurs	

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	86%
from other universities within the State	11%
from universities from other States	2
from universities outside the country	

### 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period : No of Ph.D. : 37



**38. Present details of infrastructural facilities with regard to**

- a) Library - Yes (1 No.)  
 b) Internet facilities for staff and students - Yes (2 No.)  
 c) Total number of class rooms - 15  
 d) Class rooms with ICT facility - 2  
 e) Students' laboratories - 18  
 f) Research laboratories - 3

**39. List of doctoral, post-doctoral students and Research Associates**

- a) from the host university - Doctoral - 75%

V.P. Sakthivel	Mr. P.S. Praksah	Mr. N. Jayakumar
M. R. Sathya	Mr. S. Venkatraj	Mr. G.K. Moorthy
M. Kalpanadevi	Mr. C. Sasi	Mr. P. Velmurugan
B. Arulmadhu	Mr. Veeramani	Ms. S. Arulvizhiy
N.Radhakrishnan	Mr. M. Sundararajan	Mr. S. Ganeshkumaran
B.Santhanakrishnan	Mr. S. Kavitha	Mr. P. Paramasivan
A.Ezhilarasi	Ms. R. Sripriya	Mr. K. Devarajan
R. Arivoli	Mr. K. Asokan	Mr. A. Charles
R.Jayanthi	Ms. P. Vidhya	Mr. E. Gnanamanokaran
R. Ashok Bakkiyaraj	Ms. N. Vijayalakshmi	Mr. R. Sakthivel
R.Francis	Mr. P. Venakatasubrmanian	Ms. P. Vimala
N.J.Vinothkumar	Ms. M. Abirami	Mr. W. RayezAhamed
S.Rajasomasekar	Ms. J. Radha	Mr. R. Tamilselvan
J.Ravikumar	Mr. E. B. Elanchezhian	Mr.S. Muruganantham
C.Mahalakshmi	Ms. R. Geetha	Mr. K. Thamizhmaran
R. Thirunavukkarasu	Mr. V. Vasudevan	Ms. M. Priyadharshini
ND.Sridhar	Mr. S. Karthikeyan	Mr. S. Vadivel
S.Sasikumar	Mr. J. Rameshkumar	Mr. K. Chandrasekar
B.Rajagopal	Mr. R. Arunmozhi	Mr. B. Rajesh Kanna
G.Balasubramaniam	Mr. G. Saravanan	Ms. G. Rajalakshmi
S.Ganesan	Mr. B. Ganesan	Mr. R. Ramachandran
R.Anandhakumar	Ms. B. Thamaraiselvi	Mr. P. Balachandar
V.Adhimoorthy	Mr. K. Jothinathan	Mr. T. Vigneysh
B.Paramasivam	Mr. S. Rameshkumar	Mr. T. Sankar
T.A.Rameshkumar	Mr. R. Thamizhselvan	Mr. S. Ezhil
Mr. N. Mohandas	Mr. S. Seenivasan	Mr. R. Karthikeyan
Mr. G. Balaji	Mr. P. Kalyanasundaram	Mr. B. Mugunthan
Mr. M. Siva	Ms. R. Gayathri	Mr. R. Vengadesh
Ms. M. Vanithasri	Mr. J. AhamedJeelaniBasha	
Ms. K. Padmapriya	Mr. S. Durai	

- b) from other universities - Doctoral - 25%

Name	Name	Mr. J. Karthikeyan
Ms. P.D. Sathya	Ms. R. Brinda	Mr. S. Vijayaraj
Ms. B. ThamaraiChelvi	Mr. E.R.Biju	Mr. M. Thamilalagan
Ms. J.AmbalikaSharma	Ms. J.Asha	Mr. K.P. Balasubramanian
Mr. S.Baskar	Mr. K. Suresh	Ms. S.A. Chitradevi
Mr. R.Arul	Ms. N. Mohanandhini	Mr. S. Balakumar
Mr. S.G. Rameshkumar	Mr. R. Natarajan	Mr. P. Padmagirisan
Mr. P. Kamalakannan	Mr. K. Vetrivel	Mr. R. Arulraj
Mr. R. Udayakumar	Mr. S. Senthamilselvan	

**40. Number of post graduate students getting financial assistance from the university?** - Nil -

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

The Department has submitted proposal to UGC to start two Post graduate programs M.E (Communication Engineering) and M.E (Embedded Systems). It is in this direction that new curriculum is prepared and efforts are containing to create the necessary infrastructure.

**42. Does the department obtain feedback from**

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The feedback of curriculum obtained from the staff handling various subjects and their suggestions are placed before the Board of studies for the consideration and appropriate action

b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

The feedback of curriculum obtained from the students on various subjects who pursue different courses and inturn their suggestions are placed before the Board of studies for the consideration and appropriate action

c) alumni and employers on the programmes offered and how does the department utilize the feedback?

The feedback of curriculum obtained from the alumni on various subjects and their suggestions are placed before the Board of studies for the consideration and appropriate action

**43. List the distinguished alumni of the department (maximum 10)**

Name	Designation
S. Ramachandran	Former Minster of Electricity, Govt. of Tamilnadu
G.N.Mani	Retd President, Crompton Greaves India
B.Palaniappan	DEAN (Retd.), FEAT, Annamalai University
S.Narayanan	Zonal General Manager, GAIL (India), Hyderabad
S.Akshaya Kumar	Executive Engineer, TNEB, Chennai
C.M.Padmanabhan	Chief Engineer, TNEB, Chennai
Dr.V.Sankaranarayanan	Professor, B.S.AbdurRahman University, Chennai
S.Hemachandran	Electrical Design Engineer, Abu Dhabi, UAE
R.K.Subramanian	Retd. Professor, Anna University, Chennai

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Apart from co curricular activities of students like Technical lectures, Student seminar and Technical updates that are organized through Department Technical Association and the in-plant training at industries, need based value programmes that make students industry ready are conducted.

- Mr. V. Gopu, Director -Technical, Control Logix, Pudhucherry delivered a guest lecture on "Power Electronics" on 26 February 2009.
- Dr. V. Prithviraj, Principal, Pondicherry Engineering College, Puducherry delivered a special lecture on "Communication Systems" on 24 February 2010.

- Mr. V. Chandran, Superintending Engineer, LDC, TNEB delivered a lecture on “Energy Systems Management” on 24 February 2010.
- Dr. Pavana Kumar, Director, American Power Conversion (R&D), Bengaluru delivered a special lecture on “Power Quality” on 24 February 2011.
- Mr. S.A. Sathiyamurthy, Formerly Fellow, Honeywell, Bengaluru delivered a special lecture on “SCADA systems” on 24 February 2011.
- Mr. B.N. Ranganath, Business Development Manager, Prudent Communication Systems Private Limited, Bengaluru delivered a guest lecture on “Advanced Communication Systems” on 23 February 2012.
- Dr. B. Hariram, Scientist and Project Leader, Industrial Communication Group Research and Development Division, ABB, Bengaluru delivered a special lecture on “Modern Power System Protection” on 23 February 2012.
- Dr. A. Srinivas, Dean-Research, Dept. of ECE, PES Institute of Technology, Bengaluru delivered a special lecture on “Research in Communication Engineering” on 26 Feb. 2013.
- Mr. Kshitij Kulshreshtha, Engineer – R&D, STG Dept. of IBM India Pvt. Ltd., Bengaluru delivered a guest lecture on “Advanced Operating Systems” on 26 February 2013.

**45. List the teaching methods adopted by the faculty for different programmes.**

The faculty uses flats board, OHP and slide projectors as part of their methodology to explain the concept to the students

**46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

A series of tests, assignments, tutorials and seminars are put in place to evaluate performance of the students and ascertain the programmes objectives and hearing out waves are met.

**47. Highlight the participation of students and faculty in extension activities.**

The students are encourages to participate the social activity like NCC, NSS and promote blood donation camp. The faculty serves as programme officer and co-ordinator the stream to reach the citizens of the society.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

Students deliver seminars on areas beyond the scope of the syllabus and on area of technical encumbrance by Faculty.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.:- No**

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

The Department through its unique curriculum perpetuates the developments in the field and prepares them to face completion exams with a fair level by confidence.

## 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

### Strengths:

- The department has excellent laboratories with the state of the art facilities.
- Number of publications in SCI indexed journals during the last five years is about 75.
- Number of Ph.Ds awarded during the last five years is about 30.
- National level conferences / seminars -07; International workshop - 01
- UGC sponsored Obama-Singh knowledge initiative award (2013). Student and staff exchange programme with Tennessee Technological University, USA to share the knowledge in Smart energy systems.

### Weakness

- In-plant training should be provided to all the students during vacation
- Industrial Visit to the students
- Time allotted for extracurricular activities is not adequate
- Industrial exposure to the faculty
- Location of the University in a semi-urban area

### Opportunities

- The department has modern, well stocked library and students are freely allowed to use the resources.
- The students can download e-books and research papers from e-resources available in the library.
- The simulation packages can be used for exploring design and analysis.
- The platform to carry out projects in the department laboratories.

### Challenges

- The proposal may be submitted to convert the existing Ph.D programme in to a QIP research centre.

## 52. Future plans of the department.

- Two PG programs M.E (Communication Engineering) and M.E (Embedded Systems) may be started after obtaining the approval of the regulatory body.
- Develop a new High voltage lab with exquisite testing facilities.
- Centre for advanced power system energy studies can be developed.

## DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

**1. Name of the Department:** Electronics & Instrumentation Engineering

**2. Year of establishment:** 1988

**3. Is the Department part of a School/Faculty of the University?**

Yes, Faculty of Engineering & Technology

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

U.G.:- B.E(Electronics & Instrumentation)

P.G.:- M.E (Process Control & Instrumentation) - M.E (Rehabilitative Instrumentation)

Ph.D.:- Instrumentation Engineering

**5. Interdisciplinary courses and departments involved**

The curriculum for the Programmes in this Department avails expertise from the Department of Electrical and Electronics Engg, Department of Computer science and Engg, Dept of Mech Engg & Dept of Civil Engg in this Faculty and the Dept of Business Administration in the Faculty of Arts

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

Department is Participating in the Obhama Singh Knowledge Initiative Award with a grant of Rs.1.5 crores for staff and student exchange between Annamalai University and Tennessee Technological University, U.S.A. to carry out PG project work and studying elective at this University, U.S.A.

**7. Details of programmes / courses discontinued, if any, with reasons:** - Nil

**8. Annual/ Semester/Trimester / Choice Based Credit System**

The programmes in Dept. are designed in the CBCS pattern

**9. Participation of the department in the courses offered by other departments**

The faculty in this Department handle courses for students in the related subjects in the Department of Mechanical Engineering, Computer Science Engineering and Electrical and Electronics Engineering.

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned *	Actual **
Professor	02	09
Associate Professors	07	12
Asst. Professors	16	32

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. Natarajan S.P	Ph.D	Professor & Head	Power Electronics	32	16
Dr. Sivakumar D	Ph.D	Professor	Signal and Image Processing	29	11
Dr. Kayalvizhi R	Ph.D	Professor	Power Electronics	26	7
Dr. Abraham Lincon S	Ph.D	Professor	Process Control and Instrumentation	25	9
Dr. Shanthi S	Ph.D	Professor	Measurements and Instrumentation	24	2
Dr. Krishnan J	Ph.D	Professor	Bio Instrumentation	23	6
Dr. Alamelumangai V	Ph.D	Professor	Process Control	21	4
Dr. Arulsevi S	Ph.D	Professor	Power Electronics	21	6
Dr. Malathi R	Ph.D	Professor	Computational Bioengineering	21	8
Dr. Radhikarani D	Ph.D	Asso.Professor	Process Control and Instrumentation	21	1
Dr. Sivagamasundari S	Ph.D	Asso.Professor	Process Control and Instrumentation	21	-
Mr. Thenappan S	B.E	Asso.Professor	Instrumentation	24	-
Dr Srinivasan S	Ph.D	Asso.Professor	Embedded Systems	19	3
Ms. Vanamadevi N	M.E.(PC&I)	Asso.Professor	Digital System Design	19	-
Mr. Narayanaswamy M	M.E.(PC&I)	Asso.Professor	MicroElectronics and MEMS	19	-
Mr. Raja P S	M.E.( BMI)	Asso.Professor	Medical Electronics	18	-
Dr. Joseph Daniel R	Ph.D	Asso.Professor	MEMS and Instrumentation	17	7
Dr. Sakthivel G	Ph.D	Asso.Professor	Embedded Systems	16	-
Dr. Vinodha R	Ph.D	Asso.Professor	Process Control and Instrumentation	16	6
Dr. Anandhi T S	Ph.D	Asso.Professor	Power Electronics	15	6
Dr. Jaya N	Ph.D	Asso.Professor	Process Control and Instrumentation	15	3
Mr. Palanivel S	M.E.(PC&I)	Asst. Professor	Process Control	14	-
Mr Manivannan M	M.E.(PC&I)	Asst. Professor	MicroElectronics & MEMS	14	-
Ms. Anitha T	M.E.(PC&I)	Asst. Professor	Power Electronics	14	-
Mr Thiagarajan R	M.E.(PC&I)	Asst. Professor	Bioimage Processing	14	-
Mr Anbu S	M.E.(PC&I)	Asst. Professor	Process Control and Instrumentation	13	-
Mr. Rajavelu M	M.E.(PC&I)	Asst. Professor	MicroElectronics&MEMS	13	-
Mr Arivamudhan M	M.E.(PC&I)	Asst. Professor	Instrumentation	12	-
Mr Murugesh T S	M.E.(PC&I)	Asst. Professor	Bioinstrumentation	12	-
Mr Senthilkumar M	M.E.(PC&I)	Asst. Professor	Process Control and Instrumentation	12	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. Somasundaram S	Ph.D	Asst. Professor	Process Control and Instrumentation	12	4
Ms. Mangaiyarkarasi P	M.E.(PC&I)	Asst. Professor	Image Processing	12	-
Mr Manikumar R	M.E.(PC&I)	Asst. Professor	Process Control	12	-
Ms. Dhanalakshmi R	M.E(PC&I)	Asst. Professor	Process Control	12	-
Dr Sathish Babu S	Ph.D	Asst. Professor	Process Control and Instrumentation	12	-
Dr Thirugnanam G	Ph.D	Asst. Professor	Image Processing	12	3
Dr Asokan A	Ph.D	Asst. Professor	Process Control and Instrumentation	12	3
Dr Sivaraman E	Ph.D	Asst. Professor	Process Control and Instrumentation	12	-
Dr Vijayakarthish M	Ph.D	Asst. Professor	Process Control and Instrumentation	11	-
Mr Vinoth N	M.E.(PC&I)	Asst. Professor	Computational Biology	11	-
Mr Meyyappan S	M.E.(PC&I)	Asst. Professor	Process Control	10	-
Mr Ganesh Ram A	M.E.(PC&I)	Asst. Professor	Process Control	10	-
Mr. Dhinakaran M	M.E.(PC&I)	Asst. Professor	Process Control	9	-
Ms. Achiammal B	M.E.(PC&I)	Asst. Professor	Power Electronics	9	-
Mr Praboo N. N	M.E.(PC&I), M.B.A	Asst. Professor	Process Control	7	-
Ms. Kavitha S	M.E(PC&I)	Asst. Professor	MicroElectronics & MEMS	7	-
Mr Selvaraj R	M.E.(PC&I)	Asst. Professor	Process Control	6	-
Mr Muthukumar K	M.E.(PC&I)	Asst. Professor	Power Electronics	6	-
Mr Ramesh S	M.E.(PC&I)	Asst. Professor	Process Control	6	-
Mr Kanagasabai N	M.E.(PC&I)	Asst. Professor	Instrumentation	6	-
Ms.Boo.Poonguzhali	M.E.(PC&I), M.B.A	Asst. Professor	Instrumentation	5	-
Ms.L.ThillaiRani	M.E.(PC&I)	Asst. Professor	Instrumentation	5	-
Mr.R.Manikandan	M.E.(PC&I)	Asst . Professor	Instrumentation	5	-

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:-** Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information:-** Nil

**14. Programme-wise Student Teacher Ratio**

UG - B.E(Electronics& Instrumentation) : 3:1

PG - M.E (process Control & Instrumentation) : 2:1

M.E (Rehabilitative Instrumentation) : 2:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	Actual
Technical Staff	55
Administrative staff	13

## 16. Research thrust areas recognized by funding agencies

Computational Bioengineering; Micro Electronics and MEMS; Bio-Image Processing.

## 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

Consultancy, Training, Testing, R&D Projects	Name of Funding Agency	Amount (in Rs.) Lakhs	Duration of the Project		Remarks (ongoing or completed)
			From	To	
Establishment of National MEMS Design Centre.	NPMaSS (National Program on Micro and Smart Systems)	100.0	April 2009	March 2011	Ongoing
Development of structural health monitoring techniques using MEMS accelerometer. Dr. Joseph Daniel R	UGC Major Research Project scheme	10.51	January 2010	Dec. 2013	Ongoing
fund for improvement of S & T Infrastructure in Universities and Higher Educational Institutions (FIST'-level 1B)	DST	61.00	June 2011	June 2016	Ongoing
SAP-DRS Computational Biology	UGC	50.00	July 2012	July 2017	Ongoing
SAP-DRS	UGC- Non SAP	20.00	September 2012	August 2013	Ongoing
UGC- ME Innovative Program on Rehabilitative Instrumentation	UGC	59.5	2013	2018	Ongoing
Development of model of cardiovascular system using electronic components and to incorporate new control techniques for biological control of a cardiac system Dr.Krishnan J	UGC Major Research Project	12.7788	2013	2015	Ongoing
BSR fellowships for full-time Ph.D scholars - 5 Nos.	UGC	45.00	2013	2018	Ongoing
<b>Obama Singh</b> Knowledge Initiative Award	INDO US & UGC	1.5 crores	2013	2016	Ongoing

## 18. Inter-institutional collaborative projects and associated grants received

a) All India collaboration : b) International collaboration :

## 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Consultancy, Training, Testing, R&D Projects	Name of Funding Agency	Amount (in Rs.) Lakhs	Duration of the Project		Remarks (ongoing or completed)
			From	To	
fund for improvement of S & T Infrastructure in Universities and Higher Educational Institutions (FIST'-level 1B)	DST	61.00	June 2011	June 2016	Ongoing
SAP-DRS Computational Biology	UGC	50.00	July 2012	July 2017	Ongoing
SAP-DRS	UGC- Non SAP	20.00	Sep. 2012	Aug. 2013	Ongoing
UGC- ME Innovative Program on Rehabilitative Instrumentation	UGC	59.5	2013	2018	Ongoing
Development of model of cardiovascular system using electronic components and to incorporate new control techniques for biological control of a cardiac system Dr.Krishnan J	UGC	12.7788	2013	2015	Ongoing



Consultancy, Training, Testing, R&D Projects	Name of Funding Agency	Amount (in Rs.) Lakhs	Duration of the Project		Remarks (ongoing or completed)
			From	To	
BSR fellowships for full-time Ph.D scholars – 5 Nos.	UGC	45.00	2013	2018	Ongoing
Obama Singh Knowledge Initiative Award	INDO US & UGC	1.5 crores	2013	2016	Ongoing
Development of structural health monitoring techniques using MEMS accelerometer. Dr. Joseph Daniel R	UGC Major Research Project scheme	10.51	January 2010	Dec. 2013	Ongoing

## 20. Research facility / centre with

- State Recognition : -
- National Recognition

Consultancy, Training, Testing, R&D Projects	Name of Funding Agency	Amount (in Rs.) Lakhs	Duration of the Project		Remarks (ongoing or completed)
			From	To	
Establishment of National MEMS Design Centre.	N P MaSS (National Program on Micro and Smart Systems)	100.0	April 2009	March 2011	Ongoing
Development of structural health monitoring techniques using MEMS accelerometer.	UGC Major Research Project scheme	10.51	January 2010	Dec. 2013	Ongoing
fund for improvement of S & T Infrastructure in Universities and Higher Educational Institutions (FIST'-level 1B)	DST	61.00	June 2011	June 2016	Ongoing
SAP-DRS Computational Biology	UGC	50.00	July 2012	July 2017	Ongoing
SAP-DRS	UGC- Non SAP	20.00	Sep. 2012	Aug. 2013	Ongoing
UGC- ME Innovative Program on Rehabilitative Instrumentation	UGC	59.5	2013	2018	Ongoing
Development of model of cardiovascular system using electronic components and to incorporate new control techniques for biological control of a cardiac system	UGC	12.7788	2013	2015	Ongoing
BSR fellowships for full-time Ph.D scholars – 5 Nos	UGC	45.00	2013	2018	Ongoing

- International Recognition :

Consultancy, Training, Testing, R&D Projects	Name of Funding Agency	Amount (in Rs.) Lakhs	Duration of the Project		Remarks (ongoing or completed)
			From	To	
Obama Singh Knowledge Initiative Award	INDO US & UGC	1.5 crores	2013	2016	Ongoing

## 21. Special research laboratories sponsored by / created by industry or corporate bodies

1. Department is developing special Labs with
  - i. Grant of Rs. 59.5 Lakhs under UGC- ME Innovative Program on Rehabilitative Instrumentation during 2013-2018.
  - ii. Grant of Rs.50 lakhs under UGC SAP Computational Biology
  - iii. Grant of Rs. 1 Crores National MEMS Design Centre. From Govt. of India.
  - iv. Grant of Rs.61 Lakhs Power Electronics & Process Control labs under DST- FIST

## 22. Publications:

- Number of papers published in peer reviewed journals (national /international) - 214 (Annexure - I)
- Monographs
- Chapters in Books
- Books edited
- Books with ISBN with details of publishers
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, EBSCO host, etc.)
- Citation Index –average - 20
- SNIP
- SJR
- Impact Factor –average - 05
- h-index

**23. Details of patents and income generated :- Nil**

**24. Areas of consultancy and income generated :- Nil**

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad :- Nil**

**26. Faculty serving in** a) National committees b) International committees c) Editorial Boards d) any other (please specify)

- Dr. S.P. Natarajan, and Dr. D. Sivakumar, served as member in AICTE expert Committees.
- Dr. S. Santhi, served as member in Academic Council of Anna University and Tamil Nadu State Council for Science & Technology
- Dr. S.P.Natarajan, Dr. D.Sivakumar, Dr.S. AbrahamLincoln, Dr. J. Krishnan, Dr. R. Malathi and Dr. S. Arulselvi, are serving as Doctoral Committee Members of Anna University.
- Dr. S.P.Natarajan, Dr. D.Sivakumar, Dr. J. Krishnan, Dr. R. Malathi and Dr. S. Arulselvi, are serving as Editorial Board Members of International Journals.

## 27. Faculty recharging strategies

The faculty members are permitted to attend STTP, Summer / Winter School, Symposiums, Conferences, Workshop, etc. to update their knowledge and to keep pace with the recent developments in the subjects. Such programmes are also periodically conducted by the various Departments of our University for the benefit of Faculty members.

## 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects - 80
- percentage of students doing projects in collaboration with other universities / industry / institute- 20

## 29. Awards / recognitions received at the national and international level by

- Faculty
  - Dr. S.P. Natarajan received Best Teacher Award from Annamalai University
  - Dr. R. Malathi has got best Ph.D thesis award in IIT Chennai.
  - Dr. J. Krishnan & Dr. R. Malathi have received International travel award by Bio Physical society USA.
  - Dr. R. Malathi has been awarded Best Paper Award in the International Conference BIDTE.
- Doctoral / post doctoral fellows : Nil
- Students : UGC have sanctioned BSR fellowship - 5 Nos. Rs.45 lakhs for 5 years.

### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

- Dr. R.Malathi and Dr.J.Krishnan received a grant of Rs. 5, 16,250/- for organizing two weeks staff Development Programme from AICTE, New Delhi.
- Dr. S.P.Natarajan and Dr. S.Arulselvi organized the two day workshop on “Power Electronic Circuit Simulation using SABER, PSpice, MATLAB and CASPOC-03” during 24<sup>th</sup> and 25<sup>th</sup> March, 2007.
- Dr. S.P. Natarajan and Ms. T.S. Anandhi conducted a two day workshop on “dSPACE based Control of Power Electronic Converters”
- Dr.D.Sivakumar and Ms.D.Rathikarani conducted a two days UGC Sponsored Short Term Course on “Goal Oriented System Modeling and identification (GOSMI)”, at Annamalai University during 7<sup>th</sup> - 8<sup>th</sup> January, 2009.
- Dr.S.P.Natarajan, Dr. S. Arulselvi and Ms.T.Anitha organized two day workshop on “Circuit Simulation using SEQUEL Software” during 22<sup>nd</sup> and 23<sup>rd</sup> August 2009.
- Dr.S.P. Natarajan and T.S.Ananthi conducted the “Hands on training on Labview for students” at Annamalai University during 9<sup>th</sup> - 11<sup>th</sup>September 2011 and 16<sup>th</sup> - 18<sup>th</sup>Sep. 2011
- R. Malathi and J. Krishnan conducted the “Workshop on Image Processing” at Annamalai University during 15<sup>th</sup>&22<sup>nd</sup>October 2011.
- Dr.D. Sivakumar Professor conducted the “UGC Sponsored workshop on Advances in Process Control System Design and Implementation” at Annamalai University during 02<sup>nd</sup> - 03<sup>rd</sup>March 2012.
- R.JosephDaniel organised the NPMaSS Hands on Training Programme (NPMaSSHoTP-2011) for NPMaSS MEMS design centre co-ordinators in the state of Tamilnadu, Andhra and Kerala from 23-05-2011 to 28-05-2011.
- R. Malathi and J. Krishnan organized UGC sponsored national work shop on “programming approach and industrial applications on PLC” from 15.03.2010 to 16.03.2010 in the Department of Electronics and Instrumentation Engineering, Faculty of Engineering and Technology, Annamalai University, Annamalainagar.
- Dr. S.P. Natarajan and Dr.T.S. Anandhi and Mr.G.Sakthivel organized a National Level workshop on Real Time Control of Systems in 12<sup>th</sup>& 13<sup>th</sup> March 2011.
- Dr.J.Krishnan and Dr. R.Malathi received a grant of Rs. 4, 56,250/- for organizing two weeks Staff Development Programme from AICTE, New Delhi.
- Dr. S.P. Natarajan, Dr.G.Sakthivel and Dr.R.Vinodha organized UGC sponsored National Level Workshop on “Automation of Real Time Processes using Matlab And Centum 3000 DCS”, 28<sup>th</sup> & 29<sup>th</sup> March, 2014.
- Dr.G.Sakthivel and Dr.R.Vinodha organized two days Staff Development Programme on 25<sup>th</sup> & 26<sup>th</sup> February, 2014.
- Dr. S.Somasundaram and Dr.P.K.Bhaba organized two days Inter Disciplinary Programme on 26<sup>th</sup> & 27<sup>th</sup> March, 2014.
- Department Participated in the Obhama Singh knowledge initiative award based INDO-US workshop on “Energy Trends in Energy Systems Management” , 14-16 March 2014.

### 31. Code of ethics for research followed by the departments

The Staff are motivated to focus on the research activity pertaining to the current and future needs of the society. A Doctoral committee consisting of HOD, three Senior professor and the research supervisor reviews and monitors the research work

**32. Student profile course-wise:**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.E. Electronics & Instrumentation		133	36	48	83
M.E (PC&I)	41	28	13	68	76
M.E (PC&I) P.T	07	04	03	100	100
Ph.D.					

**33. Diversity of students**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.E (PC&I)	90	8	1	1
M.E (RI)	90	10		NIL
Ph.D	80	18	2	NIL

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. ----**

**35. Student progression**

Student progression	Percentage against enrolled
UG to PG	30
PG to M.Phil.	NIL
PG to Ph.D.	20
Ph.D. to Post-Doctoral	---
Employed	
• Campus selection	20
• Other than campus recruitment	60
Entrepreneurs	

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	85
from other universities within the State	15
from universities from other States	NIL
from universities outside the country	NIL

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period :-** Awarded Ph.D.: 25

**38. Present details of infrastructural facilities with regard to**

- |   |                |
|---|----------------|
| a) Library                                    | - Yes (1 No)   |
| b) Internet facilities for staff and students | - Yes (3 Nos.) |
| c) Total number of class rooms                | - 15           |
| d) Class rooms with ICT facility              | - 2            |
| e) Students' laboratories                     | - 08           |
| f) Research laboratories                      | - 01           |

### 39. List of doctoral, post-doctoral students and Research Associates

a) from the host university : Doctoral - 75%

Candidate	Candidate	Candidate
R. Kayalvizhi	A.Ganeshram	M. Narayanaswamy
T.S.Anandhi	S.Ramesh	M. Manivannan
B.Santhi	R. Vinodha	S. Kavitha
R.Bensraj	R.Selvaraj	R. Brinda
V.Padamathilagam	D. Sengeni	B.Prathishraja
B.Baskaran	E. Sivaraman	K.Sivasundari
N.Nachammai	T. Anitha	N. Vanamadevi
D. Venkatasubramanian	R. Thiyagarajan	M. Arivamudhan
V. Kalaiselvi	P. Mangaiyarkarasi	N.Kanagasabai
S. Abraham lincon	A.Durgadevi	S. Anbu
N.Jaya	T.Anitha	S.Vadivazhagi
P.Kailasapathi	G. Tirugnanam	G. Sakthivel
G.Yamuna	T.S. Muruges	K.Muthukumar
A.Asokan	N. Vinoth	R.Dhanalakshmi
D. Rathikarani	S.Prabha	A.Jayachitra
S.Sivakamasundari	M.Natarajan	R.Manigandan
M.Rajavelu	B.Padma Priya	Boo.Poonguzhali
L.Thillairani	Y.Mohamed Badcha	M.Nagarajan
R.Manikumar	S. Syed Birose	M.Ramasubramanian
A.S.Kannan	G. Prakash	S.Saju
B.Achiammal	S.Meyyappan	S. Somasundaram
N.Dhasekaran	B.Girirajan	S.Sathishbabu
J.Poovarasam	K.Sankar	M.Vijaykarthik
M. Senthilkumar	Sathya	N.N.Praboo
M.Dhinakaran	K.Geethanjali	A.Saravanan

b) from other universities - Doctoral - 25%

T.S.Sivakumaran	V.Jayanth fedal Castre	A.D.Senthilkumar
R. Vijayarajeswaran	R. Adalarasan	S.Jaya
C.R. Balamurugan	Kiran George	A.Umamaheswari
P.Sureshpandiyarajan	G.Gulothungan	Abi.P.Mathew
P.Sathishkumar	K.Baskaran	A.S.Sankar
R. Johnson Uthayakumar	Elumalai	B.Shanmugam
A. Joseph Basanth	S.Ramkumar	A.Rajagopal
K.Sathiyarayanan	K.Yogitha	K.Rajmohan
N. Lakshmi	U.Palani	S.Elango
K.G.Sathya	P.S. Raja	G.Prem Sundar
Ms.Nithiya	B.Muthuvel	T. Sengolrajan
S.Thiruvalarselvan	Josep Anthony Prathap	V. Arun
J. Joseph Ignatious	B.Kunjithapatham	K. venkataraman
P.Venkatasubramanian	G.Jotheeswari	

40. Number of post graduate students getting financial assistance from the university? - Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

The Department has obtained for permission from University to start four Post graduate programs and started one under the UGC innovative program scheme. It is in this direction that new curriculum is prepared and efforts are containing to create the necessary infrastructure.

#### 42. Does the department obtain feedback from

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The feedback on curriculum is obtained from the staff handling various subjects and their suggestions are placed before the Board of Studies for consideration and appropriate action.

b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

The feedback on curriculum is obtained from the students on various subjects, who pursue different courses and in turn their suggestions are placed before

c) alumni and employers on the programmes offered and how does the department utilize the feedback?

The feedback of curriculum is obtained from the alumni on various subjects and their suggestions are placed before the Board of studies for the consideration and appropriate action

#### 43. List the distinguished alumni of the department (maximum 10)

Mr.Pagada Ali Rajesh	Advisor to US Government
Dr. M. Reuben	Professor/MIT/USA
Dr.J.Prakash	HOD/MIT/India
Ms. S.Santhi	Singapore Telephones
Mr. SP. Subramanian	Intel Corporation
Mr. S. Solaippan	Vice President / Deutch Bank
Dr. R. Vijayarajeswaran	M.D, M/S. Vi Microsystems
Mr.S.Ranganathan	TATA Honeywell
Mr. S. Pragadeeswaran	GM /TATA Honeywell
Mr.P.Prabhakaran	TATA Honeywell

#### 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Apart from co curricular activities of students like Technical lectures, student seminar and technical updates that are organized through Department Association and the inplant training at industries, need based value programmes that make students industry ready are conducted

#### 45. List the teaching methods adopted by the faculty for different programmes.

The faculty uses Block board, OHP and LCD projectors as part of their methodology to explain the concept to the students.

#### 46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

A series of tests, assignments, tutorials and seminars are conducted to evaluate performance of the students and ascertain that the programme objectives are met.

#### 47. Highlight the participation of students and faculty in extension activities.

The students are encouraged to participate in social activities like NCC, NSS and blood donation camp. The faculty serves as programme officers and co-ordinators.

#### 48. Give details of “beyond syllabus scholarly activities” of the department.

Students deliver seminars on areas beyond the scope of the syllabus and on areas of technical encumbrance

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

Yes, The Department has the following accreditations:

- It is a UGC- SAP, DST-FIST Sponsored Department
- With a Software Grant of Rs. 1 Crore, from Govt. of India. National MEMS Design Centre has been established.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

The Department through its unique curriculum perpetuates the developments in the field and prepares student to face competitive exams with a fair level of confidence

**51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Strength**

- The department boasts of a strong infrastructure, a well qualified faculty and well equipped library facility
- There is no service weakness in the perspective of student acquiring knowledge.
- The department provides elaborate scope for the students to enhance theory overall skills
- The challenges exist in preparing students to find solutions to innovative problems in classes and exams and develop inter personal skills and constructing innovative projects

**Weaknesses :**

- In-plant training should be provided to all the students during vacation
- Industrial Visit to the students
- Time allotted for extracurricular activities is not adequate
- Industrial exposure to the faculty
- Location of the University in a semi-urban area

**Opportunities**

- A very good library to get the latest technological information
- A very good alumni interaction
- Students are privileged to attend seminars in other colleges
- Students are permitted to do DDE programmes simultaneously
- The students are entitled for a free medical check up, free to learn music and free physical exercise

**Challenges :**

- Cent percent campus placement.
- Hands on experience for the students by virtue of its location
- To make the department as a QIP center
- To provide the best industrial consultancy through ICSR cell.
- To improve the infrastructure

**52. Future plans of the department.**

- PG programs in the areas of Bio Medical Engineering , Embedded Systems MEMS and VLSI Design after obtaining the approval of the regulatory bodies
- Develop a new Embedded System and Bio Engineering lab with exquisite testing facilities.

## DEPARTMENT OF CHEMICAL ENGINEERING

**1. Name of the Department:** Chemical Engineering

**2. Year of establishment :** 1945

**3. Is the Department part of a School/Faculty of the University?**

Yes, Faculty of Engineering & Technology.

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

B.E Chemical Engineering	M.Tech Food Processing Technology
M.E Chemical Engineering	M.Tech Industrial Safety Engineering
M.Tech Industrial Biotechnology	Ph.D Chemical Engineering

**5. Interdisciplinary courses and Departments involved**

Interdisciplinary Programme	Departments Involved
M.Tech Industrial Biotechnology	Chemical Engineering, Pharmacy, Biotechnology, Microbiology, Chemistry, Zoology
M.Tech Food Processing Technology	Chemical Engineering, Pharmacy, Biotechnology, Microbiology, Chemistry, Zoology, Agriculture
M.Tech Industrial Safety Engineering	Chemical, Civil, Mechanical, Manufacturing, Electrical, Instrumentation, Biotechnology, Pharmacy, Microbiology, Chemistry, Zoology

**6. Courses in collaboration with other universities, industries, foreign institutions, etc. - Nil**

**7. Details of programmes / courses discontinued, if any, with reasons: - Nil**

**8. Examination System: Annual/ Semester/Choice Based Credit System**

Semester and Choice Based Credit System

**9. Participation of the department in the courses offered by other departments**

Department	Programme	Subjects
Zoology	M.Sc., Bioinformatics (Integrated)	Bioprocess Informatics
Biochemistry & Biotechnology	M.Sc., Biotechnology (Integrated)	Bioprocess Engg & Downstream Processing
	M.Sc., Biotechnology (2 years)	Environmental Biotechnology Industrial Environmental; Biotechnology
Earth Science	M.Sc., Earth Science	Mineral Beneficiation; Mineral Dressing
Marine Biology	M.Sc., Marine Biotechnology M.Sc., Biotechnology	Bioprocess Technology; Biotechnology
Pharmacy	B.Pharm	Environmental Studies
Computer Science Engineering	M.Sc., Software Engineering	Environmental Studies
Faculty of Arts	M.A., English (Integrated). M.A Economics	Environmental Studies

**10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/ others)**

	Sanctioned *	Actual **
Professor	05	08
Associate Professors	08	08
Asst. Professors	12	41

\* 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.



**11. Faculty profile with name, qualification, designation area of specialization, experience and research under guidance, (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr.P.Kanthabhabha	M.E. (Chem)., Ph.D	Professor & Head	Process Control, Industrial Safety Engg & Bioreactor Design	33	07
Dr.T.Viruthagiri	M.E. (Chem)., Ph.D	Professor	Chemical Reaction Engg Industrial Biotechnology Industrial Safety Engg	32	09
Dr.C.Karthikeyan	M.Tech (FTBT).,Ph.D	Professor	Environmental Engg., Biotech & Food Tech.	21	05
Dr.V.Vijayagopal	M.E. (Chem)., Ph.D	Professor	Environmental Engg. Mass Transfer	21	02
Dr.RM.Meyyappan	M.Tech.,Ph.D	Professor	Electrochemical Engg. Industrial Safety Engg	31	09
Dr.R.Dhanasekar	M.E. (Chem).,Ph.D	Professor	Bioprocess Engineering	22	08
Dr.R.Saravanan	M.E. (Chem).,Ph.D	Professor	Industrial Safety Engg.,	19	-
Dr.P.Mullai	M.E. (Chem)., Ph.D	Professor	Environmental Engg.,	16	03
Dr.K.Vaithyanathan	M.E. (Chem)., Ph.D	Associate Professor	Process Control, Thermodynamics	28	-
Dr.B.Preetha	M.E.(Chem)., Ph.D	Associate Professor	Biotechnology, Food Technology	16	05
Dr.P.Nagarajan	M.E. (Chem)., Ph.D	Associate Professor	Biotechnology	15	03
Dr.M.Rajasimman	M.E. (Chem)., Ph.D	Associate Professor	Environmental Engg. Industrial Safety Engg.	15	06
Dr. M.Thenmozhi	M.E. (Chem)., Ph.D	Associate Professor	Thermodynamics	16	01
Dr.R.Muthuvelayudham	M.E. (Chem)., Ph.D	Associate Professor	Biotechnology	15	05
Dr.R.Ravi	M.E. (Chem)., Ph.D	Associate Professor	Environmental Engg Industrial Safety Engg	15	01
Mr.B.Chirsabesan	M.E. (Chem)	Associate Professor	Environmental Engg	14	-
Dr.V.Baskaran	M.Tech., Ph.D	Assistant Professor	Environmental Engg	22	-
Dr.S.Anhuradha	M.E. (Chem) ., Ph.D	Assistant Professor	Environmental Engg	13	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr.M.Vijay	M.E. (Chem) ., MBA., Ph.D	Assistant Professor	Environmental Engg Industrial Safety Engg	13	02
Dr.C.S.Rathnasabapathy	M.E (Chem)., Ph.D	Assistant Professor	Biotechnology Industrial Safety Engg	12	-
Dr.V.Saravanan	M.E (Chem). , Ph.D	Assistant Professor	Biotechnology	12	02
Dr.S.Dhanasekaran	M.E (Chem)., Ph.D	Assistant Professor	Mass Transfer	12	01
Dr.K.Thirumavalavan	M.E (Chem) ., Ph.D	Assistant Professor	Biotechnology Industrial Safety Engg	12	-
Dr.K.Manikandan	M.E (Chem)., Ph.D	Assistant Professor	Biotechnology Industrial Safety Engg	12	-
Dr.M.Karuppaiya	M.E (Chem). , Ph.D	Assistant Professor	Food Technology	11	01
Dr.T.R.Manikkandan	M.E (Chem). , Ph.D	Assistant Professor	Biotechnology Food Technology	11	01
Dr.M.G.Devanesan	M.E (Chem). , Ph.D	Assistant Professor	Environmental Engg	11	-
Mr.T.Balamurali	M.E (Chem)	Assistant Professor	Biochemical Engg	11	-
Dr.B.Sivaprakash	M.E (Chem) ., Ph.D	Assistant Professor	Environmental Engg Industrial Safety Engg	11	-
Dr.P.Elavarasan	M.E (Chem). , Ph.D	Assistant Professor	Thermodynamics	11	-
Dr.S.Rengadurai	M.E (Chem). , Ph.D	Assistant Professor	Biochemical Engg	10	-
Dr.S.Shanmuganathan	M.E (Chem) ., Ph.D	Assistant Professor	Environmental Engg	10	-
Mr.P.Balamurugan	M.E (Chem)	Assistant Professor	Biotechnology	10	-
Mr.K.Subanandam	M.E (Chem)	Assistant Professor	Environmental Engg	10	-
Dr.S.B.Riswan Ali	M.E. (Chem).,Ph.D	Assistant Professor	Chemical Reaction Engg Industrial Safety Engg	09	-
Dr.S.Subhagar	M.E (Chem). , Ph.D	Assistant Professor	Environmental Engg	09	-
Dr.A.Magesh	M.Tech (IBT).,Ph.D	Assistant Professor	Biotechnology	09	-
Mr.S.Ramesh	M.Tech (IBT)	Assistant Professor	Environmental Engg	08	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Mr.P.Rathakrishnan	M.Tech (IBT)	Assistant Professor	Environmental Engg Industrial Safety Engg	08	-
Dr.K.Muralikandhan	M.E(Chem). , Ph.D	Assistant Professor	Environmental Engg Industrial Safety Engg	08	-
Mr.R.Jayakumar	M.Tech (IBT)	Assistant Professor	Environmental Engg	08	-
Mr.R.Palaniraj	M.E(Chem)	Assistant Professor	Environmental Engg	07	-
Dr.R.Rajesh Kannan	M.E (Chem). , Ph.D	Assistant Professor	Environmental Engg	07	-
Mr.E.Babu	M.E (Chem)	Assistant Professor	Environmental Engg	07	-
Dr.M.Dilip Kumar	M.E (Chem). , Ph.D	Assistant Professor	Environmental Engg	07	-
Mr.B.Sundar	M.Tech (IBT)	Assistant Professor	Biotechnology	07	-
Mr.K.Vimalashanmugam	M.E. (Chem)	Assistant Professor	Biotechnology	07	-
Mr.G.Kamalanathan	M.Tech (FPT)	Assistant Professor	Food Technology	06	-
Mr.S.Ashok Kumar	M.Tech (IBT)	Assistant Professor	Biotechnology	06	-
Mr.E.Krishnaprabakaran	M.Tech (FPT)	Assistant Professor	Food Technology Industrial Safety Engg	06	-
Ms.V.Selvi	M.Tech	Assistant Professor	Biotechnology	06	-
Dr.P.Saravanan	M.Tech (Chem). , Ph.D	Assistant Professor	Biochemical Engg Industrial Safety Engg	06	-
Mr.J.Velmurugan	M.Tech (IBT)	Assistant Professor	Biotechnology	05	-
Mr.K.Rathinakumaran	M.Tech (Chem)	Assistant Professor	Biochemical Engg	05	-
Ms.N.Nandhini	M.E(Chem)	Assistant Professor	Environmental Engg.	05	-
Ms.K.Revathi	M.E(Chem)	Assistant Professor	Environmental Engg.	04	-
Mr.K.Muthu	M.Tech (FPT)	Assistant Professor	Food Technology	04	-

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: - Nil**

**13. Percentage of classes taken by temporary faculty – programme-wise information: -Nil**

#### 14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
B.E Chemical Engineering	4:1
M.E Chemical Engineering	2:1
M.Tech Industrial Biotechnology	3:1
M.Tech Food Processing Technology	2:1
M.Tech Industrial Safety Engineering	3:1
Ph.D Chemical Engineering	1:1

#### 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Actual
Number of academic support staff (technical)	28
Administrative staff	18

#### 16. Research thrust areas recognized by funding agencies

- Biochemical Engineering and Biotechnology
- Environmental Engineering / Environmental Biotechnology
- Food Technology
- Industrial Safety Engineering

#### 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

Name	Funding Agency	Project	Cost in Lakhs
HOD, Chemical Engg.	UGC	(Non SAP Department)	20.00
HOD, Chemical Engg.	UGC Innovative Programme	For starting M. Tech (Industrial Safety Engineering) Programme	50.00
HOD, Chemical Engg.	Ministry of Food Processing Industries	To create Microbiology and Biochemistry lab and Food Processing lab	50.00
Dr. T. Viruthagiri, Dr. M. G. Devanesan Dr. R. Aravindan	Tamilnadu State council for Science and Technology	Production of Biodiesel from non edible oil in Packed bed reactor using Biocatalyst	1.16
Dr. N. Rajamohan	Department of Science & Technology (DST)- SERC Fast Track Scheme	Removal of Dyes from Waste Water by Sorption onto Water hyacinth roots	3.96
Dr. N. Rajamohan Mr. V. Saravanan	Department of Biotechnology (DBT)	Biofiltration of Volatile organic compounds present in the Pharmaceutical Industry waste gases	11.83
Dr. P. Mullai	Ministry of Environment & Forest	Phyto remediation using mangrove species for sustainable water quality in uppanar estuary- a novel approach	15.48
Dr. N. Rajamohan Dr. Durai	Ministry of Environment & Forest	Tannery effluent treatment by Novel Bioreactor	3.00
Dr. R. Aravindan Mr. S. Subhagar Dr. T. Viruthagiri	UGC Major Research Project	Optimization and Modeling of Fermentative Production of Lovostatin	9.01
Dr. P. Mullai	UGC Major Research Project	Optimization of Biohydrogen production using iron & nickel compounds	6.72
Dr. P. Mullai	Ministry of Earth Science	Hydrogen production using microorganism isolated from Mangrove sediments	11.00
Dr. P. Mullai	DBT	Enhancement of biohydrogen production using integrated Nano Particle catalyzed fermentation MEC and Process Modeling	21.25

Name	Funding Agency	Project	Cost in Lakhs
Dr. M. Thenmozhi	DBT	Enhancement of biohydrogen production using integrated Nano Particle catalyzed fermentation MEC and Process Modeling	15
Dr. N. Rajamohan Dr. M. Dilip Kumar	AICTE sponsored Research Promotion Scheme	Production of inulinase by solid state fermentation from cheap substrates	4.35
Dr. R. Muthuvelayudham Dr. T. Viruthagiri Mr. K. Muralikandhan Mr. S. B. Riswan Ali Mr. P. Saravanan	UGC Major Research Project	Increasing amylase, cellulase and hemicellulase enzyme synthesis by sequential optimization utilizing central composite design using cheaper substrates	8.06

### 18. Inter-institutional collaborative projects and grants received a) All India collaboration b) International

A collaborative project on Continuous parboiling of paddy using thermic fluid with PPRC (IICPT), Thanjavur grants received Rs.2.25 lakhs.

### 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Funded Agency	Amount in Lakhs
UGC	94.00
DST	49.00
AICTE	19.35
DBT	63.00
MOES	11.00
MOEFS	19.00
MOFPI	50.00
TNSCST	01.50
<b>Total</b>	<b>306.85</b>

### 20. Research facility / centre with

- State recognition- Industrial Waste Water Treatment
- National recognition - Environment Impact Assessment Facility
- International recognition - Process Control Laboratory

### 21. Special research laboratories sponsored by / created by industry or corporate bodies

1) Food Processing Technology Laboratory- sponsored by Ministry of Food Processing Industries, New Delhi.

2) Biochemistry Laboratory-sponsored by Ministry of Food Processing Industries (MOFPI).

3) Microbiology Laboratory - sponsored by Ministry of Food Processing Industries (MOFPI)

4) Chemical Reaction Engineering Laboratory -sponsored by MODROBS, AICTE.

5) Process Control Laboratory -sponsored by MODROBS, AICTE.



## 22. Publications:

- Number of papers published in peer reviewed journals (national / international) : 288 (Annexure - I)
- Monographs : 1
- Chapters in Books : 3
- Edited Books : 5
  - Books with ISBN with details of publishers:
  - Engineering Economics, ISBN: 9788183713443 Publisher :SCI Tech Publications India (Pvt) Ltd, Chennai.
  - Proceedings of the National Conference on Industrial Pollution Control Technology, IPACT, 2013, ISBN: 978 - 81 - 925287 - 3 - 1, published by Manibharathi Publishers, Chidambaram.
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)----
- Citation Index - range / average : 10-70/35
- SNIP : Maximum of 2.36
- SJR : Maximum of 1.72
- Impact Factor - range / average : 0.3-3.5/1.20
- h-index range : 2 - 107

## 23. Details of patents and income generated :- Nil

## 24. Areas of consultancy and income generated:

Consultancy services were carried out in the areas of Environmental Impact Assessment and Water Quality Analysis. The income generated was Rs. One lakh

## 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad

Dr.P.Kanthabhabha; Dr.T.Viruthagiri; Dr.C.Karthikeyan; Dr.V.Vijayagopal;  
 Dr.Rm.Meyyappan; Dr.R.Dhanasekar; Dr.K.Vaithiyanathan; Dr.R.Ravi;  
 Dr.P.Nagarajan.

## 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Recognitions Received By the Faculty

Recognition	No. of Staff Members Received the Recognition
Chairman IICChE	1
Member of the District emergency committee	1
Board of studies member in other Universities	3
Board of selection member Anna University, Chennai	1
Member of various Doctoral committees	5
Member of AICTE inspection committee	04
Editorial / Reviewers for national and International Journals	15
Chairman, Board of Examiners for various Universities and examiner for Ph.D. thesis	13
National level best M.Tech Thesis (First prize) in Chemical Engineering" guidance award instituted by Indian society of Technical education - Indian Petroleum corporation Ltd., New Delhi	2
Best paper award in Technical session in International and National Seminar/ Conference	08
Council member for the National council of Indian Institute of Chemical Engineers.	02

## 27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs.)

- Faculty members attend national and international conferences / seminars / symposia / workshop / refresher courses / short term courses / industrial visits periodically.

## 28. Student projects

- Percentage of students who have done in-house projects including inter-departmental projects : - U.G - 90% ; P.G - 50 %
- Percentage of students doing projects in collaboration with other universities / industry / institute : - U.G - 10% ; P.G - 50 %

## 29. Awards / recognitions received at the national and international level by

- Faculty - Awards - 06 ;
- Recognitions received - 21 ;
- Doctoral / post doctoral fellows - 02
- Students - 10

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

### Seminars/ Conferences/Workshops organized

Title of the Conference/ Seminar/Workshop/	Venue / Date & Duration	Sponsored by	Name of the Coordinators
Fuels for the Future	7th & 8th March 2007	UGC	Dr.T.Viruthagiri Mr.M.G.Devanesan Mr.K.Manikandan
Oneday workshop on "Innovative approaches on Solid waste management"	2/4/2007	Ministry of Environment and Forests, Government of India	Dr.T.Karunanithi Dr. P. Mullai
Third Annual Session of Students Indian Chemical Engineering Congress (SCHEMCON-2007)	21st and 22nd September 2007	IChE Annamalai - Neyveli Regional Centre	Dr.T.Viruthagiri
Essentials of Control Engineering in Chemical Industries	AUMTEC' 71 Hall, Annamalai University, 8th & 9th March 2008 2 days	UGC	Dr. P. Kanthabhabha Dr. S. Somasundram,
Conservation of Biodiversity for Sustainable Future	AUMTEC' 71, Hall, Annamalai University, 12th March 2008	C. P. Ramasamy Aiyar Foundation, Chennai.	Dr. T. Karunanithi Dr. P. Mullai
Climate Change Mitigation for Sustainable Future	AUMTEC' 71 Hall, Annamalai University February 2009	C. P. Ramasamy Aiyar Foundation, Chennai.	Dr. T. Karunanithi Dr. P. Mullai
National Level Seminar on "Safety Health Environment & Energy" ( SHEE - 2009 )	AUMTEC' 71 Hall, Annamalai University, 8th & 9th March 2009 2 days	UGC	Dr. P. Kanthabhabha A.Prabaghar B.Suresh
Recent trends in the application of Chemical Engineering Principles in Food Processing Technology	AUMTEC' 71 Hall, Annamalai University, 20th & 21st March 2009 2 days	UGC	Dr. T. Viruthagiri Dr. R. Aravindan Mr. S. Subhagar

<b>Title of the Conference/ Seminar/Workshop/</b>	<b>Venue / Date &amp; Duration</b>	<b>Sponsored by</b>	<b>Name of the Coordinators</b>
World Breast Feeding Celebrations	CEFY HALL 06th August 2009 2 days	Food and Nutrition Board, Ministry of Women and Child welfare	Dr. T. Viruthagiri Dr. M. Karuppaiah
“Scenario of Sustainable and Renewable Energy Sources”	AUMTEC’ 71 Hall, Annamalai University, 21st & 22nd August 2009 2 days	Tamilnadu State Council for Higher Education (TNSCHE)	Dr. T. Viruthagiri Dr. R. Aravindan Dr. M. G. Devanesan
International conference on “Challenges in Biotechnology and Food Technology (ICBF-2009)”	AUMTEC’ 71 Hall, Annamalai University 8-10th October 2009, 3 days	Ministry of environment and forests, Ministry of earth sciences	Dr. T. Karunanithi, Dr. P. Mullai Dr. M. Thenmozhi
Indian Chemical Engineering Congress, 63rd Annual session of Indian Institute of Chemical Engineers CHEMCON- 2010	SASTRI HALL, Annamalai University 27-12-10 to 29-12-10	Reliance Industries Limited, DST,DBT, CSIR, Ministry of Earth Science, BARC, BRNS	Dr. T. Viruthagiri
Indo-US Joint Session and International conference on “Emergence of Biotechnology in Process Industry – A Sustainable Growth and Clean World”	SASTRI HALL, Annamalai University 28.12.2010, 1 day	Reliance Industries Limited, Mumbai & Indian Institute of Chemical Engineers Kolkata	Dr. T. Viruthagiri
“Surface Engineering for Automobiles” (SEA - 2011 )	AUMTEC’ 71 Hall, Annamalai University, 5th & 9th Jan 2011 2 days	UGC	Dr.P.K.Bhaba K.Srinivasan V.Manieniyam
Bioprocess Modeling Optimization and Simulation (BMOS-2011)	AUMTEC’ 71 Hall, Annamalai University, 18th - 19th February 2011 2 days	UGC	Dr. M. Rajasimman Dr. B. Sivaprakash
International conference on “Challenges in Biotechnology and Food Technology (ICBF-2012)”	AUMTEC’ 71 Hall, Annamalai University 9-10th January 2012, 2 days		Dr. T. Balasubramanian Dr. P. Mullai Dr. M. Thenmozhi
Control of Industrial Gaseous Emissions	AUMTEC’ 71 Hall, Annamalai University 9-10th February 2012, 2 days	TNPCB Ministry of Earth Sciences	Dr. R. Dhanasekar Dr. R. Ravi Dr. C. S. Rathinasabapathy Dr. K. Thirumavalavan Dr. T. R. Manikkandan
Environmental Impact Assessment	AUMTEC’ 71 Hall, Annamalai University 14 & 15th March 2012 2 days	UGC	Dr. RM. Meyyappan Dr. R. Saravanan Dr. S. Dhanasekaran
Emerging Technologies in Chemical & Biochemical Engineering	CEFY’84 Hall Annamalai University 07.05.12-11.05.12 5 days	ISTE	Dr. RM. Meyyappan Dr. S. Dhanasekaran
Industrial Effluent Treatment- Emerging Trends & Challenges Ahead	GJR Hall Annamalai University 11.06.12-15.06.12 5 days	ISTE	Dr. S. Dhanasekaran Dr. K. Manikandan



Title of the Conference/ Seminar/Workshop/	Venue / Date & Duration	Sponsored by	Name of the Coordinators
Forests for sustainable livelihood	AUMTEC' 71 Hall, Annamalai University, March, 2012	C. P. Ramaswamy Aiyar Foundation	Dr. P. Mullai
Biodiversity Conservation	AUMTEC' 71 Hall, Annamalai University, 21 Feb 2013	C. P. Ramaswamy Aiyar Foundation	Dr. P. Mullai
National Conference on Industrial Pollution and Control Technology [IPACT - 2013]	AUMTEC' 71 Hall, Annamalai University March 14th and 15th, 2013	CSIR	Dr. S. Dhanasekaran Dr. J. Velmurugan
ISTE - STTP on "Industrial Pollution - Advanced Technologies in Control and Safety - IPATICS"	AUMTEC' 71 Hall, Annamalai University 7th - 11th June, 2013	CSIR	Dr. B. Sivaprakesh Dr. S. Dhanasekaran
National Conference and Expo on Energy and Environment"	AUMTEC' 71 Hall, Annamalai University 20th and 21st of September, 2013	CSIR, MNRE	Dr.R.Dhanasekar Dr.R.Ravi Dr. C.S.Rathnasabapathy Dr. K.Thirumavalavan Dr.T.R.Manikkandan
National Environment Awareness Campaign (NEAC 2014)	AUMTEC' 71 Hall, Annamalai University, February 17th , 2014	C. P. Ramaswamy Aiyar Foundation	Dr. P. Mullai
National Conference on Challenges in Biochemical Engineering & Biotechnology for Sustainable Environment (CBSE 2014)	CEFY Hall, Annamalai University, March 12th and 13th , 2014.	IICHe Annamalai Neyveli Regional Centre & Biotech Research Society of India	Dr.P.Mullai Dr.P.Kanthabhabha
National Seminar on Emerging Trends in Process Automation (ETPA' 14) Inter Disciplinary Programme	GJR Hall, Annamalai University, March 26th & 27th , 2014	UGC	Dr.S.Somasundaram Dr.P.Kanthabhabha
Second National Conference on Challenges in Biochemical Engineering & Biotechnology for Sustainable Environment (CBSE 2014)	CEFY Hall, Annamalai University, March 12th and 13th , 2014.	IICHe Annamalai Neyveli Regional Centre & Biotech Research Society of India	Dr.P.Mullai Dr.P.Kanthabhabha

### 31. Code of ethics for research followed by the departments

(a) The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices (GRP).

(b) All researchers follow the standard procedures for conducting research laid down by relevant scientific and professional bodies

### 32. Student profile course-wise:

Name of the Course	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
B.E Chemical Engineering		60	04	40	100
M.E Chemical Engineering	08	02	02	100	50
M.Tech. Industrial Biotechnology	16	06	03	83	66
M.Tech. Food Processing Technology	10	01	03	100	100
M.Tech. Industrial Safety Engineering	19	12	00	92	00
M.Tech. Industrial Safety Engineering (P.T)	20	10	00	70	00
Ph.D. Chemical Engineering	09	02	06	100	100

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
B.E Chemical Engineering	-	80	20	-
M.E Chemical Engineering	33	47	20	-
M.Tech Industrial Biotechnology	20	60	20	-
M.Tech Food Processing Technology	20	60	20	-
M.Tech Industrial Safety Engineering	10	65	25	-
Ph.D Chemical Engineering	50	25	25	-

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

	Number of students cleared		
	TOFEL	GRE	GATE
UG	06	06	08

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	40%
PG to M.Phil.	-
PG to Ph.D.	40%
Ph.D. to Post-Doctoral	-
Employed :	
• Campus selection	50%
• Other than campus recruitment	25%
Entrepreneurs	05%

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	96
from other universities within the State	04
from universities from other States	Nil
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period**

Number of faculty who were awarded:- Ph.D.: 43 – D.Sc.: Nil

**38. Present details of infrastructural facilities with regard to**

a) Library

Department Library

- Text Books available - 9,050
- Journals Subscribed (National) - 9
- Journals Subscribed (International) - 6
- Back Volumes - 3,000

Journals subscribed

International

- AIChE Journal
- The Canadian Journal of Chemical Engineering

- Journal of Biotechnology and Bioengineering
- Chemical Engineering
- Chemical Engineering Progress
- Bio Cycle

## National

- Indian Chemical Engineer
- Indian Journal of Chemical Technology
- Indian Journal of Biotechnology
- Nandini Chemical Journal
- Indian Food Industry
- Journal of Food Science & Technology
- Chemical Engineering World
- Chemical Weekly
- Down to Earth
- Research Journal of Chemistry & Environment
- Nature Environment & Pollution Technology
- Agrobios

## Back Volumes

The library has an archives section with large number of back volumes.

S.No	Name of Journals	No. of Volumes	S.No	Name of Journals	No. of Volumes
1	AIChE Journal	54	26	Chemical Engineering Education	06
2	Indian Chemical Engineer	49	27	Chemical Production Finder	04
3	Indian Journal of Technology	44	28	Chemical Process Engineering	12
4	Indian Chemical Journal	26	29	Chemical Weekly	46
5	Canadian Journal of Chemical Engg	20	30	Dyer	15
6	Chemical Engineering Data	20	31	Electrochemical Society	26
7	Canadian Chemical Processing	22	32	Journal of Environment & Toxicology	13
8	Chemical Engineering News	69	33	Food Manufacturing	37
9	Biotechnology & Bio Engineering	16	34	Fluid Mechanics	26
10	Chemical Engineering Progress	63	35	Fuel	26
11	Chemical Age of India	45	36	Fluid Phase Equilibria	07
12	Chemical Engineering	96	37	Industrial Chemical Engineering	35
13	Chemical Engineering Science	60	38	ISI Bulletin	28
14	Chemical Engineering Japan	20	39	International Sugar Journal	30
15	Chemical Engineering World	34	40	Journal of American Oil chemist Society	10
16	Chemical and Metallurgical Engg	58	41	Petroleum Refiner	33
17	Analyst	17	42	Paint India	44
18	Applied Chemistry Report	28	43	Oil and Colour	20
19	Bulletin	23	44	Overseas Studies	22
20	British Abstracts	16	45	Manufacturing Chemist	25
21	Colourage	05	46	Nandini Chemical Journal	15
22	Cement and Lime	05	47	Journal of Heat and Mass Transfer	33
23	Chemical and Petroleum Engineering	24	48	Industrial Engg. Chemical Research	19
24	Chemist Society	10			
25	Chemical Business	11			

## ISI Code Books

1500 code books in the field of Chemical Engineering and Food Technology are available.

- The new arrivals are exhibited on the notice board for a period of one month. Periodic catalogue updating is done.

## b) Internet facilities for staff and students

### Computers as Learning Resources

- The computer facility is extended to all faculty & students.
- The faculty are asked to attend various advanced courses on Computer Aided Design in leading institutions like IITs and IISc on various subjects.
- Computer facilities available in the department:
 

Pentium IV	-	16 Nos.
Pentium III	-	8 Nos.
Laser Printers	-	3 Nos.
Inkjet Printers	-	3 Nos.
Dot Matrix Printer	-	1 No.
0.5 KVA on line UPS	-	1 No.
- Campus wide networking is available in the institution. Separate terminals for immediate access are available in all the laboratories and staff rooms. In addition to that a separate computer centre is available with LAN facility. Two main libraries are available in the institution campus. One is common to engineering faculty students and other one is the Central Library for the University.
- Infonet, Infilnet, and Delnet facilities are available for ready access of Journals in the main Library. Edusat facility and video conferencing facility are also available in the university campus. A hi-tech electronic class room and modern auditorium with multimedia facilities are available for conducting seminars, symposia etc.
- Computer based training packages on the following four topics are developed by the department and are available for the students:
 

1. Particle Mechanics & Mechanical Operations	2. Mass Transfer
3. Heat Transfer	4. Membrane Technology

c) Total number of class rooms : 12

d) Class rooms with ICT facility : 02

e) Students' laboratories : 15

f) Research laboratories : 04

## 39. List of doctoral, post-doctoral students and Research Associates

### a) From the host university :

Candidate	Candidate	Candidate
R.Muthuvelayutham	N.Prakash	S.Sureshkumar
R.Aravindan	M.Dilipkumar	D.Surendiran
M.Thenmozhi	Durai	J.Velmurugan
Dr.R.Saravanan	M.Arivukkarasan	R.Rathinakumaran
S.Dhanasekaran	S.Subagar	R.Jayakumaran
V.Baskaran	S.Anhuradha	R.Kamalanathan
M.Vijay	A.Magesh	R.Magesh
K.Thirumavalavan	P.Suthagar	Anyul Rifaya
E.Sasikumar	S.Kavitha	B.Hemalatha
B.Sivaprakash	S.Sathiyar	S.Jonesh
M.Karuppiya	K.Muralikandhan	K.Sridevi
Palaniyappan	P.Saravanan	K.Kauselya
K.Manikandan	S.Raja	N.Bharathi
M.G.Devanesan	S.Shanmuganathan	Sonia.K.Samson
C.S.Rathnasabapathy	K.Vaithyanathan	M.Prabakaran
R.Ramsenthil	S.Rengadurai	K.Muthu
Manivannan	S.B.Rizwan Ali	K.Revathi
R.Rajeshkannan	S.Bakkiyaraj	S.Ashokkumar
B.Suresh	S.Ramesh	P.Vivek
A.Subathra	P.Rathakrishnan	S.Venkateshbabu
R.Sangeetha	Syed Mahin Bhasha	A.Muthukumarapandian
T.R.Manikkandan	S.K.Mohan	

## b) From other universities :

B.H.Panwal; A.Sirajunisa; R.Tamil Elakkiya; M.S.Manojkumar

**40. Number of post graduate students getting financial assistance from the university?- 40%****41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

M.Tech. Industrial Safety Engineering was started under UGC Innovative Program in 2010. A SWOT analysis was done before starting this program as a part of need assessment to ascertain the takers for this particular course.

**42. Does the department obtain feedback from:**

## a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes. Teaching - learning evaluative is improved periodically. Special Classes conducted for the slow learners.

## b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. Micro teaching training is given to junior teachers. Necessary corrective actions are taken.

## c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes. Necessary corrective actions are taken to improve to suit the industrial needs.

**43. List the distinguished alumni of the department (maximum 10)**

Mr. Sethuraman	Former Director IPCL, Baroda, Advisor Govt.of India
Mr.W.S.Aruldoss Kanthiah	Former Director, Heavy Water Board, Dept. of Atomic Energy, Mumbai
Dr.M.Chidambaram	Former Director National Institute of Technology, Trichy
Mr.S.Natarajan	Executive President Ultra Tech Cement Ltd.,Ariyalur
Mr.A.V. Venkatesh	Consultant,Managing Trustee, Annamalai University Chemical Engg., Alumni Trust,Bangalore
Dr.Raj K. Rajamani	Professor, Department of Metallurgy & Metallurgical Engg., University of Utah, Salt Lake City, Utah.
Dr.K. Ethirajulu	Former Dean, School of Engg., & Tech., Bharthidasan University, Trichy.
Mr.M.Rabindranath	Chairman, TANSTIA – FNF service centre, Guindy, Chennai -32.
Vijay K. Ramani	Hyosung S. R. Cho Endowed Chair Professor of Chemical Engineering, IIT Armour College of Engineering, Illinois Institute of Technology, Chicago
Mr.T.J. Sivakumar	Industrial Consultant,USA
Dr.P.V. Panneerselvam	Professor, Nadal University, Brazil
Mr.N.Nagarajan	Assistant General Manager, HOD-Process, Petrofac, Chennai
Mr.V.Vijayaraghavan	Regional Business Head, Hindustan Colas Ltd., Kancheepuram

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Name and Designation	Title	Venue and Date
Mr. M. S. Muthuraman Management consultant Alumnus of 1970 batch, B.E. (Chem.)	Success Formulae	AUMTEC' 71 Hall, Annamalai University 23.07.09
Mr. N. S. Venkatraman, Nandini Consultancy Centre Private Ltd., Chennai	Prof. V. Alagariswami Memorial Lecture on " Prospects of Chemical Industry Particularly based on Renewable Raw Materials like Molasses – Starch"	AUMTEC' 71 Hall, Annamalai University 21/08/2009

Name and Designation	Title	Venue and Date
Mr. V. Baranan Chemical Engineer, NLC	Recent Trends in Chemical Engineering	AUMTEC' 71 Hall, Annamalai University 17/04/2010
Dr. Balakrishnan (bob) Venugopal Fmc corporation princetor, nj. Ciba corporation, Segabriel Louisiana	Inherently safe chemical processes Dynamics of reactors	25.01.2010 time : 11.30am Golden jubilee reunion meet 1956 - 60 batch
Mr. W. S. Aruldoss Kanthiah Former Director (Rtd.,) Heavy Water Board Department of Atomic Energy Mumbai	Safety in Atomic Power Plants	AUMTEC' 71 Hall, Annamalai University 01.02.2011 6pm to 8pm
Mr. N. Subramonia Pillai Safety Consultant Former DGM (Safety), NLC Ltd., Neyveli	Safety Management (Regulations for Health, Safety and Environment)	AUMTEC' 71 Hall, Annamalai University 08.02.2011 & 09.02.2011 2pm to 5pm
Mr. T. G. Rangan Safety Consultant Former Safety Manager NLC Ltd., Neyveli	Safety in Off-shore and On-shore drilling and Safety in Material Handling	AUMTEC' 71 Hall, Annamalai University 24.02.2011 & 25.02.2011 2pm to 5pm
Dr. Palanivel Raja Associate Professor Department of Civil Engineering Annamalai University	Operations of the Risk Analysis software ALOHA-CAMEO	AUMTEC' 71 Hall, Annamalai University 2nd March 2011 2pm to 5pm
Mr. S. Natarajan Executive President Grasim Industries, Ariyalur	Industrial safety Zero Emission	AUMTEC' 71 Hall, Annamalai University 29.3.2011
Dr. Vijaya Krishna Ramani, Associate Professor, Dept of Chemical and Biological Engineering, Illinois Institute of Technology, Chicago, USA	Fuel Cells	AUMTEC' 71 Hall, Annamalai University 12/01/12
Mr. W. S. Aruldoss Kanthiah Former Director (Rtd.,) Heavy Water Board, Department of Atomic Energy, Mumbai	Safety in atomicPower plnts with special reference to Kudankulam Project	AUMTEC' 71 Hall, Annamalai University 08.02.12
Mr. Rajagopalan Scientist, CFTRI, Mysore	Application of Chemical Engineering Principles in Food Processing Technology	AUMTEC' 71 Hall, Annamalai University 13.02.12
Mr. N. Subramonia Pillai Former DGM - Safety NLC Limited, Neyveli	Gas Cylinder rules,Static and Mobile pressure vessels act	AUMTEC' 71 Hall, Annamalai University 17.02.12
Mr. N. Omaithurai Deputy Chief Inspector of Factories Cuddalore.	Role of safety officers in Industries	AUMTEC' 71 Hall, Annamalai University 21.02.12
Mr. Varadharajan Safety Consultant, Chennai	Safety in Material Handling,ISO 14001 and OHSAS 18001	AUMTEC' 71 Hall, Annamalai University 29.02.12
Mr. R. Meenakshisundaram Manager, ONGC, Karaikal	On and Off shore Drilling	AUMTEC' 71 Hall, Annamalai University 05.03.12
Dr. Chidambaranathan Professor and Head, Engineering Chemistry, Annamalai University	Mass spectroscopy	AUMTEC' 71 Hall, Annamalai University 12.03.12
Dr. Anandalakshmi Professor, Engineering Chemistry Annamalai University	Nuclear Magnetic Resonance	AUMTEC' 71 Hall, Annamalai University 19.03.12
Dr. N. Panchanatham, Registrar, Annamalai University delivered guest lecture.	Waste Management	AUMTEC' 71 Hall, Annamalai University March, 2012

**45. List the teaching methods adopted by the faculty for different programmes.**

LCD presentations, OHP, Compact Discs, Simulation software, Interaction in the Laboratories, Seminars, Guest Lectures, Industrial Visits and In-plant training.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Mid term tests, Assignments, Seminars.

**47. Highlight the participation of students and faculty in extension activities.**

Extension Activities [For the last five Years]

- Skill set training programmes organized: 2
- IChE Annamalai Neyveli Regional Centre organizes various programmes for Chemical Engineers around this region.
- Institution of Engineers (India), FEAT organizes various programmes for benefit of staff & students.
- Inches
- National Safety Day

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- The Faculty members constitute the Research forum of the department - aimed to debate the recent advances made in thrust areas like biotechnology, food technology, Nanotechnology etc.,
- A lecture is delivered once in a week by a faculty member for the benefit of Faculties and research scholars.
- The Alumni of the department, who are entrepreneurs and who occupy very high positions in industries both in India and abroad, visit the department at regular intervals and offer Guest lectures, suggestions and advises the students in connection with entrepreneurship. This activity has been carried out in collaboration with the Annamalai University Chemical Engineering Alumni Trust, a registered body, which also donates equipments and books to the library. They also arrange special lectures from the industrial consultants and experts for the benefit of the UG and PG Chemical Engineering, Biotechnology and Food Technology students.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. - AICTE - B++**

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- An assistance of Rs.50 lakhs from the UGC for starting M.Tech. Industrial Safety Engineering under innovative programme, in the year 2010.
- New laboratories established:  
Bioprocess Laboratory – Microbiology Laboratory – Food Processing Technology Laboratory – Biochemistry Laboratory – PG Laboratory – Safety Engineering Laboratory
- The Department has produced number of PhDs in the recent past.
- Interdisciplinary research subjects have been introduced and students are permitted to take subjects offered by other departments. Research scholars are encouraged to carryout research in interdisciplinary areas. Three candidates have been awarded Ph.D. in various fields like Process Control, Environmental Biotechnology, Biotechnology.
- Computer Based Tutorials (CBT) for subjects like Membrane Technology, Heat Transfer, Mass Transfer and Particle Mechanics are available in the CD form.

## 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

### Strengths:

- Very good infrastructure with well equipped Laboratories
- Highly qualified and expertise Faculty members with multiple specialization
- Excellent research facility and freedom to work
- Alumni of the department are occupying very high position in India and abroad and their support to their alma-mater is highly commendable
- Student - Teacher relationship

### Weaknesses :

- In-plant training should be provided to all the students during vacation
- Industrial Visit to the students
- Time allotted for extracurricular activities is not adequate
- Industrial exposure to the faculty
- Location of the University in a semi-urban area

### Opportunities :

- A very good library to get the latest technological information
- A very good alumni interaction
- Students are privileged to attend seminars in other colleges
- Students are permitted to do DDE programmes simultaneously
- The students are entitled for a free medical check up, free to learn music and free physical exercise

### Challenges :

- Cent percent campus placement.
- Hands on experience for the students by virtue of its location
- To make the department as a QIP center
- To provide the best industrial consultancy through ICSR cell.
- To improve the infrastructure

## 52. Future plans of the department.

- It is aimed to bring M.Tech. Industrial Pollution Control programme from next academic year
- It is aimed to bring PhD in Industrial Safety Engineering in tie - up with Regional Labour Institute, Chennai from next academic year
- It is aimed to create an advanced instrumentation lab for consultancy services
- To make the Department of Technology as a QIP Centre for doing PG and Ph.D. programmes.



## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

**1. Name of the Department :-** Computer Science and Engineering

**2. Year of establishment :-** 1984

**3. Is the Department part of a School/Faculty of the University?**

Yes, Faculty of Engineering & Technology

**4. Names of Programmes / Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

U.G.: B.E (Computer Science and Engineering) / B.E (Information Technology)

P.G.: M. E. (Computer Science and Engineering) / M.C.A / M.Sc. (Information Technology - 2 years)/ M.Sc. (Software Engineering- 2 years) / M.Sc. (Information Technology (Integrated) - 5 years)/ M.Sc. (Software Engineering (Integrated) - 5 years)

Ph.D. : Ph.D. (Computer Science and Engineering)

**5. Interdisciplinary courses and departments involved: -** Nil

**6. Courses in collaboration with other universities, industries, foreign institutions, etc. :-** Nil

**7. Details of programmes / courses discontinued, if any, with reasons**

M. Sc (Information Technology - 2 years) &

M. Sc (Software Engineering - 2 years) programmes are not offered due to poor admission.

**8. Annual / Semester / Choice Based Credit System**

Semester, Choice Based Credit System

**9. Participation of the department in the courses offered by other departments**

Faculty of Arts, Faculty of Science, Faculty of Medicine, Faculty of Agriculture

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned *	Actual **
Professor	04	06
Associate Professors	12	11
Asst. Professors	14	75

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Designation	Qualification	Area of Specialization	No. of years experience	No. of Ph.D students guided for the last 4 years
Dr. V. Ramalingam	Professor and Head	M.Sc, M.Tech, Ph.D	Artificial Neural Networks, Compiler Design, Image Processing	25	3

Name	Designation	Qualification	Area of Specialization	No. of years experience	No. of Ph.D students guided for the last 4 years
Dr. RM. Chandrasekaran	Professor (now as Director, DDE, AU)	M.E., M.B.A., Ph.D.	Computer Networks		10
Prof. V. Srinivasan	Professor	B.E. M.E., M.Tech	Computer Networks	27	-
Dr. P. Aruna	Professor	B.E., M.Tech, Ph.D	Neural Networks, Fuzzy Logic	22	-
Dr. K. Venkatachalapathy	Professor	M.C.A., Ph.D	Computer Graphics, Image Processing	22	-
Dr. S. Palanivel	Professor	B.E., M.E., Ph.D	Speech and Image Processing, Neural Networks	19	5
Dr. R. Bhavani	Professor	B.E., M.E., Ph.D	Computer Graphics, Image Processing	19	-
Mr. D. Venkateshkar	Associate Professor	B.Tech (ECE) M.S.Engg(IT)	Computer Networks, Image Processing	23	-
Dr. M. Kalai Selvi Geetha	Associate Professor	B.E., M.Tech (CSE), Ph.D	Image Processing	19	-
Mr. S. Pasupathy	Associate Professor	B.E., M.E.(CSE)	Object Oriented system Design	13	-
Dr. A. Suhasini	Associate Professor	B.E., M.E. (CSE), Ph.D	Soft Computing	20	-
Mr. N. Puviarasan	Associate Professor	M.Sc.,PGDCA, DSADP,PGDBA, M.S(SE)	Audio-Video Image Processing	25	-
Dr. T.S. Subashini	Associate Professor	B.E., M.E.(CSE), Ph.D	Image Processing	17	-
Dr. AN. Sigappi	Associate Professor	B.E., M.E. (CSE), Ph.D	Audio video Processing	17	-
Ms. A. Geetha	Associate Professor	B.E., M.E. (CSE)	Image Processing	14	-
Dr. P. Dhanalakshmi	Associate Professor	B.E. (CSE), M.Tech (CSE), MBA, Ph.D	Audio video Processing	15	-
Dr. K. Selvakumar	Associate Professor	B.E., M.E.(Comm. Sys), Ph.D	Communication Systems, Coding Techniques	14	3
Ms. R. Priya	Associate Professor	B.E., M.E. (CSE)	Image Processing	14	-
Dr. M. Balasubramanian	Assistant Professor	B.E.(CSE), M.Tech (CSE), Ph.D	Image Processing	14	-
Dr. R. Madhan Mohan	Assistant Professor	B.E., M.E(CSE), Ph.D	Wireless Mobile Network	14	-
Ms. S.G. Santhi	Assistant Professor	B.E., M.E(CSE)	Networking	14	-
Dr. S. Jothilakshmi	Assistant Professor	B.E. (ECE), M.E(CSE), Ph.D	Speech Processing	14	-
Mr. R. Ragupathy	Assistant Professor	B.E., M.E. (CSE)	Pattern recognition	14	-

Name	Designation	Qualification	Area of Specialization	No. of years experience	No. of Ph.D students guided for the last 4 years
Ms. B. Kirubagari	Assistant Professor	B.E., M.E(CSE)	Speech enhancement and coding	14	-
Dr. J. Sasikala	Assistant Professor	B.E(ECE), M.E(CSE), Ph.D	New Intelligent Solution Algorithms	14	-
Ms. G. Arulselvi	Assistant Professor	B.E., M.E(CSE)	Image Processing	13	-
Mr. G. Ramachandran	Assistant Professor	B.E., M.E(CSE)	Distributed Networks	13	-
Ms. N.J. Nalini	Assistant Professor	B.E. , M.E(CSE)	Image Processing	12	-
Dr. R. Saminathan	Assistant Professor	B.E., M.E(CSE), Ph.D	Network Security	12	-
Dr. P. Sudhakar	Assistant Professor	B.E. (ECE), M.E(CSE), Ph.D	Networks	12	-
Ms. L.R. Sudha	Assistant Professor	B.E., M.E (CSE)	Multimodal Biometric	12	-
Ms. V. Ramya	Assistant Professor	B.E. (ECE), M.E. (PCI)	Embedded System	12	-
Ms. G. Indirani	Assistant Professor	B.E. , M.E (CSE)	Adhoc Networks	12	-
Mr.A.Kanthimathinathan	Assistant Professor	B.E., M.E(CSE)	Image Processing	12	-
Dr. M.Govindarajan	Assistant Professor	B.E., M.E(CSE), Ph.D	Data Mining	12	-
Mr. G.Prabakaran	Assistant Professor	B.E. (ECE), M.E(CSE)	Image Processing	12	-
Mr. S. Nagarajan	Assistant Professor	B.E. , M.E(CSE)	Image Processing	11	-
Mr. K.Jagan Mohan	Assistant Professor	B.E. (IT), M.E(CSE)	Image Processing	11	-
Ms. M.Arulselvi	Assistant Professor	B.E. , M.E (CSE)	Image Processing	11	-
Ms. S.Abirami	Assistant Professor	B.E. , M.E(CSE)	Image Processing	11	-
Mr. R.Arunkumar	Assistant Professor	B.E. (ECE), M.E(CSE)	Image Processing	11	-
Ms. N.Hemarajini	Assistant Professor	B.E., M.E(CSE)	Image Processing	11	-
Ms. N.Suguna	Assistant Professor	B.E., M.E(CSE)	Image Processing	11	-
Mr. R.Manikandan	Assistant Professor	B.E. , M.E (CSE)	Network	11	-
Ms. K.Kavitha	Assistant Professor	B.E. , M.E (CSE)	Network	10	-
Mr. S.Karthik	Assistant Professor	B.E. , M.E (CSE)	Network	10	-
Mr. C. Anbu Ananth	Assistant Professor	B.E., M.E (CSE)	Network	10	-
Mr. T. Suresh	Assistant Professor	B.E., M.E (CSE)	Network	10	-
Mr. R. Suban	Assistant Professor	M.E.	now as Deputy Controller of Examinations of AU		
Ms. M. Thillaikarasi	Assistant Professor	B.E. , M.E(CSE)	Software Metrics	9	-
Ms. A. Punitha	Assistant Professor	B.E. , M.E(CSE)	Image Processing	9	-
Mr. V.Thamizhazhagan	Assistant Professor	B.E. (IT), M.E(CSE)	Networks	9	-
Mr. R. Padmaraj	Assistant Professor	B.E. (IT), M.E (CSE)	Algorithms	8	-
Ms. S. Anu H Nair	Assistant Professor	B.E. , M.E(CSE)	Image Processing	8	-
Mr. D. Suresh	Assistant Professor	B.E. (IT), M.E(CSE)	Network	8	-
Mr. S. Arivalagan	Assistant Professor	B.E. , M.E(CSE)	Image Processing	8	-
Mr. S. Mohan	Assistant Professor	B.E. , M.E(CSE)	Image Processing	8	-

Name	Designation	Qualification	Area of Specialization	No. of years experience	No. of Ph.D students guided for the last 4 years
Mr. S. Saravanan	Assistant Professor	B.E. , M.E(CSE)	Data Mining	8	-
Mr.R.Thiruvengatanadhan	Assistant Professor	B.E. , M.E(CSE)	Image Processing	7	-
Ms. K. Vijayalakshmi	Assistant Professor	B.E. , M.E(CSE)	Algorithms	7	-
Ms. S. Sathiya	Assistant Professor	B.E. , M.E(CSE)	Image Processing	7	-
Ms. S. Hemalatha	Assistant Professor	B.E. , M.E(CSE)	DBMS	7	-
Mr. M. Arasakumar	Assistant Professor	B.E. , M.E (CSE)	Networks	7	-
Ms. V. Radhika Rani	Assistant Professor	B.E. , M.E(CSE)	Image Processing	7	-
Ms. T. Sasi Rooba	Assistant Professor	B.E. , M.E(CSE)	Algorithms	7	-
Mr. K. Raja	Assistant Professor	B.E. (IT), M.E(CSE)	Networks	7	-
Mr. K. Santhosh Kumar	Assistant Professor	B.E. (IT), M.E(CSE)	DBMS	7	-
Mr. N. Kumaran	Assistant Professor	B.E. , M.E (CSE)	Image Processing	7	-
Ms. V. Asanambigai	Assistant Professor	B.E. ,M.E (CSE)	Algorithms	6	-
Ms. Sumathi Ganesan	Assistant Professor	B.E. ,M.E (CSE)	Image Processing	6	-
Ms. G. Pattabi Rani	Assistant Professor	B.E. (IT), M.E(CSE)	Networks	6	-
Ms. Suganthi Devi	Assistant Professor	B.E., M.E (CSE)	Soft Computing	6	-
Mr. S. Pazhani Rajan	Assistant Professor	B.E. (CSE), M.E(CSE)	Image Processing	6	-
Mr. J. Manimaran	Assistant Professor	B.E. (IT), M.E(CSE)	Algorithms	6	-
Ms. K.T. Meena Abarna	Assistant Professor	B.E. , M.E(CSE)	Networks	6	-
Mr. A. Ayyasamy	Assistant Professor	B.E. , M.E(CSE)	Networks	6	-
Mr. R. Balamurugan	Assistant Professor	B.E. (CSE), M.E(CSE)	Networks	6	-
Mr. T. Sivaprakasam	Assistant Professor	B.E. , M.E(CSE)	Image Processing	6	-
Ms. S. Malathi	Assistant Professor	B.E. , M.E(CSE)	Image Processing	6	-
Ms. R. Sathya	Assistant Professor	B.E. (CSE), M.E(CSE)	Image Processing	5	-
Mr. D. Natarajasivan	Assistant Professor	B.E. (CSE), M.E(CSE)	Data Mining	5	-
Mr. R. Tamilaruvi	Assistant Professor	B.E. (CSE), M.E(CSE)	Image Processing	5	-
Mr. P. Anbalagan	Assistant Professor	B.E. (CSE), M.E(CSE)	Data Mining	5	-
Ms. V. Mahalakshmi	Assistant Professor	B.E(CSE), M.E(CSE)	Data Mining	5	-
Mr. S. Tamilselvan	Assistant Professor	B.Tech(IT), M.E(CSE)	Soft Computing	5	-
Ms. R. Visalakshi	Assistant Professor	B.Tech(IT), M.E(CSE)	Image Processing	5	-
Ms. M. Archana	Assistant Professor	B.E. (IT), M.E(CSE)	Networks	5	-
Mr. R. Rajkumar	Assistant Professor	B.E (CSE), M.E(CSE)	Networks	4	-
Ms. N. Sudha	Assistant Professor	B.E, M.E (CSE)	Data Mining	4	-
Ms. G. Vinodhini	Assistant Professor	B.E , M.E(CSE)	Data Mining	4	-
Mr. S. Sathish	Assistant Professor	B.E (CSE)	DBMS	4	-
Mr. S. Manikandan	Assistant Professor	B.E (CSE)	Soft Computing	4	-
Mr. G. Karthick	Assistant Professor	B.E (CSE)	Networks	4	-
Mr. K. Palaniyappan	Assistant Professor	B.E (CSE)	Algorithms	4	-

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors :- Nil**

**13. Percentage of classes taken by temporary faculty – programme-wise information:- Nil**

**14. Programme-wise Student Teacher Ratio**

B.E (CSE) 1 : 17 – B.E (IT) 1 : 17 – M.E (CSE) 1 : 17

M.C.A. 1 : 17 – M.Sc (SE) - Integrated 1 : 17 – M.Sc (IT) - Integrated 1 : 17

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

	Actual
Administrative staff	29 *
Technical staff	50 **

**16. Research thrust areas recognized by funding agencies**

The Department is actively involved in research in the following areas:

- Pattern recognition
- Computer Networks
- Embedded Systems
- Audio and Speech processing
- Web services
- Image and Video Processing
- Software Engineering
- Algorithms
- Data Mining

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Name of Project	Principle Investigator/ Co-investigator	Funding Agency	Duration	Rs. (Lakhs)
Facial animation from speech and text for physically challenged and Lip-reading	Dr. V. Ramalingam Dr. S. Palanivel\	AICTE - RPS	3 years (2009-2012)	14.95
Career Award for Young Teachers (CAYT)	Dr. M. Balasubramanian	AICTE	3 years (2009-2012)	10.5
Computer assisted speech training tool for Tamil speaking hearing – impaired children	Dr. S. Jothilakshmi Ms. B. Kirubagari	UGC Major research project	3 years (2011-2014)	10.043
Young Scientist International Travel Grant	Dr. M. Govindarajan	DST, Govt of India	2011-2012	1.07
Intelligent suspicious activity detection in real time video for surveillance applications	Dr. M. Kalaiselvi Geetha Co-investigator – Dr. T.S. Subashini	UGC Major Research Project	(2012-2015)	13.89
Content based Image retrieval (CBIR) coupled computer aided diagnosis (CAD) for breast cancer in digital mammograms	Dr. T.S. Subashini Co-investigator – Dr. M. Kalaiselvi Geetha	UGC Major Research Project	(2012-2015)	11.44
Speech based content retrieval for visually impaired	Dr. P. Dhanalakshmi Co-investigator – Dr. M. Balasubramanian	UGC Major Research Project	(2012-2015)	11.878

Name of Project	Principle Investigator/ Co-investigator	Funding Agency	Duration	Rs. (Lakhs)
Young Scientist Fellowship Scheme (YSFS)	Dr. M. Govindarajan	Tamilnadu State Council for Science and Technology Tamilnadu	2012-2013	0.21
Fast Track Scheme for Young Scientist, Science and Engineering Research Board (SERB)	Dr. M. Govindarajan	DST, Govt of India	3 years 2013-2016	12.31

**18. Inter-institutional collaborative projects and grants received a) All India collaboration b) International - Nil**

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. :- Nil**

**20. Research facility / centre with**

- state recognition
- national recognition
- international recognition

**List of Equipments procured through individual projects from varied funding agencies:**

Speech and Vision lab:- Lenovo Thinkstation E20 Workstation / Processor: Intel Xeon X3430 (8 MB Cache, 2.40 GHz) / 4 GB ECC DDR3 PC3 1333 MHz / DVDRW / 500 GB SATA HDD / Lenovo 22" TFT Wide Monitor / nVidia Quadro FX 600 / 1 GB Graphics / Intel 3450 Chipset / USB Standard Keyboard / USB Optical wheel mouse / Case material black / 6 USB ports (2 front and 4 rear) / Gigabit Ethernet / Win 7 Prof 64 bit / certified for Windows & Linux

Total : 8 Nos.

Server :- HP Proliant ML 350 G6 Tower Server / Quadcore Intel Xeon 5620@2.4 GHz / 6 GB DDR3 RAM / DVD ROM Drive / HP 300GB HDD / 3 G SAS 10K 2.5 in DP ENT HDD & HP 146 GB 3G SAS 10K 2.5 in DP ENT HDD / 21" HP LCD Monitor / Keyboard / Mouse

Total : 1 No.

**Virtualization Lab :**

Lenovo Systems Intel Core i5-650M Processor / 4 GB(2+2) DDR3 RAM / 500 GB HDD / DVD RW / Keyboard / Mouse / Lenovo 20" TFT Monitor

Total : 10 Nos.

**Computer assisted speech training tool for Tamil speaking hearing - impaired children Project:**

Lenovo Thinkstation E20 Workstation / Processor: Intel Xeon X3430 (8 MB Cache, 2.40 GHz) / 4 GB ECC DDR3 PC3 1333 MHz / DVDRW / 500 GB SATA HDD / Lenovo 22" TFT Wide Monitor / nVidia Quadro FX 600 / 1 GB Graphics / Intel 3450 Chipset / USB Standard Keyboard / USB Optical wheel mouse / Case material black / 6 USB ports (2 front and 4 rear) / Gigabit Ethernet / Win 7 Prof 64 bit / certified for Windows & Linux

Total : 1 No.

**Speech - based content retrieval for visually impaired project**

Sony VAIO SVS 13118 GN/S Laptop - 3rd Gen Intel Core I7 - 3520 M Processor / 2.90 GHZ / Genuine Windows 7 Professional 4 GB DDR3 SD RAM / NVIDIA Geforce GT 640 MKE

GPU (1GB) (Speed Mode)/ Intel HD Graphics 4000 (Stamina Mode) / 750 GB HDD / 13.3" Wide LED Display

New Generation AIO Desktop - Model No. 520-1110 IN / 3<sup>rd</sup> Generation Intel Core I5 processor / 4 GB RAM / 1 TB HDD / DVD RW / TV Tuner / Windows 7 HP/ 23" Full HD Touch Screen / 1GB Graphics / Wireless Keyboard + Mouse

HP PAVILION DESKTOP - 3rd Gen Intel Core I7 Processor / 8 GB DDR3 RAM / 1 TB HDD / DVD RW / Windows 7 64 bit / 1GB Graphics Card (NVIDIA) / 21" LED Monitor

CONTENT BASED IMAGE RETRIEVAL (CBIR) COUPLED COMPUTER AIDED DIAGNOSIS (CAD) FOR BREAST CANCER IN DIGITAL MAMMOGRAMS PROJECT

Sony VAIO SVS 13118 GN/S Laptop - 3rd Gen Intel Core i7 Processor / Genuine Windows 7 Professional / 4 GB DDR3 SD RAM / 1GB Graphics Card (NVIDIA) / 750 GB HDD / 13.3" Wide LED Display

HP PAVILION DESKTOP - 3rd Gen Intel Core i7 Processor / Genuine Windows 7 64 bit / 9 GB DDR3 RAM / 1GB Graphics Card (NVIDIA) / 1TB HDD / 21" LED Monitor

**21. Special research laboratories sponsored by / created by industry or corporate bodies - Nil**

## **22. Publications:**

- Number of papers published in peer reviewed journals (national / international) : 183 (Annexure - I)
- Monographs : Nil
- Chapters in Books : Nil
- Edited Books : Nil
- Books with ISBN with details of publishers : Nil
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Nil
- Citation Index - range / average : 2.4
- SNIP : 0 - 2.488
- SJR : 0 - 1.181
- Impact Factor - range / average : 0.9
- h-index : Nil

**23. Details of patents and income generated :- Nil**

**24. Areas of consultancy and income generated :- Nil**

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad**

Dr. M. Govindarajan has done his Post Doctoral Research for a period of one month from 3<sup>rd</sup> May 2011 to 3<sup>rd</sup> June 2011 at University of Surrey, United Kingdom.

UGC sponsored Obama Singh 21<sup>st</sup> Century Knowledge Initiative (OSI) award was conferred on Dr. AN. Sigappi, Associate Professor (from 22/01/2014 to 21/02/2014 and 08/03/2014 to 10/03/2014) (1 month 3 days) to visit Tennessee Technological University, USA

**26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)**

National Committee: - Dr. V. Ramalingam, Dr. RM. Chandrasekaran

International Committee: - Nil

Editorial Boards: - Dr. V. Ramalingam, Dr. RM. Chandrasekaran, Dr. P. Aruna, Dr. S. Palanivel

## 27. Faculty recharging strategies

Associate Professors and Assistant Professors are attending refresher/orientation courses as per the UGC guidelines.

## 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects - 58%
- percentage of students doing projects in collaboration with other universities / industry / institute - 42%

## 29. Awards / recognitions received at the national and international level by

Faculty

Doctoral / post doctoral fellows

Students

Dr. M. Govindarajan received Career Award for Young Teachers (CAYT) in the year 2008-2009

Dr. M. Balasubramanian received Career Award for Young Teachers (CAYT) in the year 2009-2010

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

a) National

Title	Convener	Date	Source of funding
National Conference on "Graph Theory, Algorithms and its Applications"	Prof. B. Palaniappan	06/06/2007 & 07/06/2007	By Registration fee
National Conference on "Research Prospects in Knowledge Mining"	Prof. B. Palaniappan Prof. A.M. Sameeullah Mr. M.Govindarajan	02/03/2008 & 03/03/2008	By way of Registration fee
National Conference on "Cross Layer Networks and IP Security"	Prof. B. Palaniappan Dr. A.M. Sameeullah Dr. K. Selvakumar	21/03/2009 & 22/03/2009	By way of Registration fee
National Workshop on "Grid and Cloud Computing"	Prof. B. Palaniappan Dr. A.M. Sameeullah Dr. K. Selvakumar	12/02/2010 & 13/02/2010	By way of Registration fee
National Conference on "Multimedia Signal Processing"	Ms. T.S. Subashini Ms. P. Dhanalakshmi Ms. S. Jothilakshmi	16/02/2011 & 17/02/2011	By way of Registration fee
National Conference on "Knowledge Discovery and Data Mining "	Prof. B. Palaniappan Dr. RM. Chandrasekaran Dr. M. Govindarajan	12/03/2012 & 13/03/2012	By way of Registration fee
National Workshop on "Speech and Image Processing"	Dr. T.S. Subashini Dr. P. Dhanalakshmi Dr. M. Balasubramanian	17/03/2012	By way of Registration fee



Title	Convener	Date	Source of funding
National Workshop on "Latex"	Dr. M. Kalaiselvi Geetha Dr. T.S. Subashini Dr. P. Dhanalakshmi Dr. M. Balasubramanian Dr. S. Jothilakshmi	01/09/2012 & 02/09/2012	By way of Registration fee
Workshop on "Windows Phone 7"	Dr. RM. Chandrasekaran Mr. D. Suresh	01/09/2012 & 02/09/2012	By way of Registration fee
STTP on "Applications of modeling and simulation in Engineering Research"	Dr. B. Sivaraman Dr. M. Kalaiselvi Geetha	10/12/2012 to 15/12/2012	By way of Registration fee
National Workshop on "Network Simulator 2"	Dr. V. Ramalingam Dr. RM. Chandrasekaran Dr. K. Selvakumar Mr. D. Suresh	06/03/2013 & 07/03/2013	By way of Registration fee
State Level One Day Workshop on "Network Simulator-2"	Mr. G. Ramachandran Ms. G. Indirani	14/09/2013	By way of Registration fee
National Level One Day Workshop on "Research issues in Wireless Networks"	Dr. P. Sudhakar Mr. S. Mohan	21/09/2013	By way of Registration fee
National Workshop on "Pattern Classification Techniques"	Dr. T.S. Subashini Dr. AN. Sigappi	28/09/2013	By way of Registration fee
State Level One Day Workshop on "Research Directions in Speech and Image Processing"	Dr. M. Kalaiselvi Geetha Ms. A. Geetha Dr. M. Balasubramanian	05/10/2013	By way of Registration fee
National workshop on "Latex"	Dr. A. Suhasini Dr. P. Dhanalakshmi Dr. S. Jothilakshmi	26/10/2013	By way of Registration fee

b) International: Nil

c) Outstanding participants: Nil

### 31. Code of ethics for research followed by the departments

The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices (GRP). All researchers follow the standard procedures for conducting research laid down by relevant scientific and professional bodies. Researchers are aware and comply with the ethical and legal requirements relating to disclosures of personal information, before undertaking research.

### 32. Student profile course-wise:

Course	Year	Applications received	Registered	Men	Women
B.E (CSE)	2008-2009	530	520	384	136
	2009-2010	780	768	606	162
	2010-2011	210	171	106	65
	2011 - 2012	210	226	127	99
	2012 - 2013	210	175	115	60
B.E (IT)	2008-2009	220	209	160	49
	2009-2010	270	262	181	81
	2010-2011	70	41	26	15
	2011 - 2012	60	40	28	12
	2012 - 2013	60	35	17	18
M.E (CSE)	2008-2009	30	19	06	13
	2009-2010	135	126	47	79
	2010-2011	220	204	106	98
	2011 - 2012	200	190	99	91
	2012 - 2013	150	130	58	72
M.C.A	2008-2009	130	122	90	32
	2009-2010	65	58	43	15
	2010-2011	130	126	92	34
	2011 - 2012	170	161	120	41
	2012 - 2013	170	146	101	45

M.Sc (SE) - Integrated	2008-2009	100	90	60	30
	2009-2010	60	51	32	19
	2010-2011	---	---	---	---
	2011 - 2012	---	---	---	---
	2012 - 2013	---	---	---	---
M.Sc (IT) - Integrated	2008-2009	220	211	159	52
	2009-2010	75	61	46	15
	2010-2011	100	72	53	19
	2011 - 2012	75	47	31	16
	2012 - 2013	60	44	32	12

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
UG	---	---	---	---
PG	60	20	10	10
Ph.D	50	50	---	---

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. – TOEFL : 172 ; GRE : 127; GATE : 15

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	51
PG to M. Phil.	---
PG to Ph.D.	2
Ph.D. to Post-Doctoral	5
Employed	15
• Campus selection	
• Other than campus recruitment	
Competitive Exams	
State	2
National level	1

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	51.0
from other universities within the State	48.0
from universities from other States	1.0
from universities outside the country	0.0

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period : - 16

### 38. Present details of infrastructural facilities with regard to

a) Library	-	1
b) Internet facilities for staff and students	-	30
c) Total number of class rooms	-	14
d) Class rooms with ICT facility	-	2
e) Students' laboratories	-	10
f) Research laboratories	-	3

### 39. List of doctoral, post-doctoral students and Research Associates

## a) from the host university : Doctoral - 78

Candidate	Candidate	Candidate
Ms. V. Ramya	Mr. E. Gogulakannan	Mr.T.Sivaprakasam
Mr. L.R. Aravindbabu	Mr. V.S. Thiyagarajan	Ms. R. Visalakshi
Ms. G. Arulselvi	Ms. L.R. Sudha	Mr. S. Pazhanirajan
Ms. M. Arulselvi	Mr. G. Prabhakaran	Ms. S. Ananthi
Ms. S. Abirami	Ms. N. Hema Rajini	Ms. S. Sathya
Mr. S. Venkatakrisnan	Mr. N. Kumaran	Mr. K. Jagan Mohan
Mr. K. Rajan	Mr. N. Puviarasan	Mr. R. Arunkumar
Ms. N. Suguna	Mr. R. Ragupathy	Mr. R. Manikandan
Mr. R. Suban	Ms. M. Thillaikarasi	Mr.V. Anantha Natarajan
Mr. S. Saravanan	Mr. E. Christopher siddardh	Ms. J. Sangeetha
Ms. G. Vinodhini	Mr. G. Ramachandran	Ms. N. Sudha
Mr. P. Anbalagan	Ms. G. Indirani	Ms. V.Mahalakshmi
Ms. A. Shanthini	Mr. R. Manikandan	Mr. D. Natarajasivan
Ms. B. Kirubagari	Mr. C. Anbu Ananth	Mr. B. Narayanan
Ms. N.J. Nalini	Mr. D. Suresh	Ms. M. Romina
Ms. K. Subashini	Ms. A. Punitha	Ms. S. Suganthi Devi
Ms. K. Gajalakshmi	Ms. M. Archana	Mr. C.N.S. Vinothkumar
Mr. D. Venkatasekhar	Ms. R. Sathya	Ms. R. Thendral
Ms R. Priya	Mr. J. Arun Nehru	Ms. S. Suguna
Ms. S.G. Santhi	Mr. S. Nagarajan	Ms. V. Asanambigai
Mr. T. Suresh	Ms. Sumathi Ganesan	Ms. T. Sasirooba
Ms. K.T. Meena Abarna	Ms. K. Vaidehi	Mr. V. Tamizhazhagan
Mr. A. Ayyasamy	Ms. S.Bhuvaneswari	Mr. K. Raja
Mr. S. Mohan	Ms. D. Vaishnavi	Ms. R. Sathya
Mr. S. Arivalagan	Mr.R.Thiruvengatanadhan	Mr. K. Santhosh kumar
Mr. S. Tamilselvan	Ms. V. Radhikarani	Mr. S. Anbazhagan

## b) from other universities - 32

Candidate	Candidate	Candidate
Ms. Matilda	Ms. S. Anu H Nair	Mr. V. Senthil Murugan
Prof. V. Srinivasan	Mr. B. Ashok	Mr. V.C. Bharathi
Mr. N. Rajkumar	Mr. Pauline	Ms. V.Vani
Mr. K. Dilip Kumar	Ms. C. Bhuvaneswari	Mr. G.N. Balaji
Ms. SriDeivani Nagarajan	Ms.D.J.Ashpin Pabi	Ms. S. Rathnadevi
Mr. D. Udhayakumar Pandian	Mr. S. Pasupathy	Ms. S. Sudha
Ms. S. Artheeswari	Ms. C. Umamaheswari	Ms. R. Kanimozhi
Mr.S.Arulmozhi	Mr. M. Kamarasan	Ms. G. Vijaya
Mr. S. Saravanan	Mr. S. Sathiyamoorthy	Ms.S.Thaiyalnayaki
Mr. M. Karthikeyan	Mr. M. Jayakarthish	Mr.S.Rakoth Kandan
Mr. R. Nagarajan	Mr. A. Rajesh	

## 40. Number of post graduate students getting financial assistance from the university?

76% (through scholarship from the state government)

## 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

We consulted industry experts as well as academic experts from other Institutions and passed through the Board of Studies of Computer Science and Engineering.

#### **42. Does the department obtain feedback from**

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes. To design good curriculum to the students.

b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. For improving teaching methodology of faculty. Proper remedial measures have been taken and appropriately implemented

c) alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes. Further alumni and employers are regularly visiting the departments during conferences and seminars for some they are sponsoring too. During that course, their suggestions for the improvement of the department, faculty and students are well received and it is used to improve / include curriculum as well as to include their suggested newer areas of study.

#### **43. List the distinguished alumni of the department (maximum 10)**

Mr. Anand Babu Periasamy	CTO,Red Hat, Inc.,444 Castro Street, Suite 500, Mountain View, CA
Mr. Bharathan Ilangovan	Senior Director,Ameriprise Financial Services, Inc.,Boston, Massachusetts
Mr. Ramachandran Mohan	Chief Technology Officer,Zing Wallet,San Francisco Bay Area
Mr. Shivakumar Ravi	Director, CapGemini Sogeti,Columbus, Ohio Area
Mr. Vivek Vijayakumar	Vice President,BB&T,Raleigh-Durham, North Carolina Area
Mr. Jegan Gomangalam	Program Manager/VP,Bank of New York Mellon,Greater Boston Area
Mr. Saraschandra Batchu	Vice President,Citigroup Private Bank,New York City Area
Mr. Sivakumar Harinath	Senior Program Manager,Microsoft Corporation,Seattle, USA
Mr. Anandh Kumar	Principle Test Manager,Microsoft Corporation, Seattle, USA
Mr. Nagappan Palaniyappan	Project Manager,LG Soft India pvt., Ltd.,Bangalore

#### **44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

##### **2007 - 2008**

IBM AIX 5L System Administration training programme was conducted on 28/07/2007 and 29/07/2007. Mr. N. Ramesh, Silverlake, Bangalore gave training.

Dr. Rattan K. Datta Ph.D (IIT-D), Former president of CSI & Fellow of CSI and currently Adjunct, Professor of Delhi University delivered a lecture to MCA students on "In and out of computing" on 01.09.2007.

A Two day IBM Workshop was conducted for staff and students on 08.10.2007 and 09.10.2007. Mr. Saravana Sekar, Software Engineer, IBM Academic, Chennai delivered the special lecture.

Mr. A. Charuvahan (B.E (CSE)), Sun Campus Ambassador delivered a lecture on "Introduction to CA program and Open source technologies" on 11.10.2007.

Mr. S. Gnanasambantham, Legal Manager, LEAD-ON Systems Pvt Ltd., Kodambakkam, Chennai delivered a special lecture on Placement opportunities and project work to the students on 23/11/2007.

The Sun club seminar on Open Solaris was arranged on 19/02/2008.

The Sun club seminar on NETBEANS Mobility was arranged on 21/02/2008.

##### **2008-2009**

Dr. Prabhaker Mateti, Associate Professor, Dept of CSE, Wright State University, USA delivered a special lecture on “Everything you should know about Linux” on 21/08/2008.

Dr. V. Sankaranarayanan, Director, Crescent Engineering College, Chennai delivered a special lecture on 29/09/2008 in the topic “Architecture performance perspective” to the students.

Dr. V. Sankaranarayanan, Director, Crescent Engineering College, Chennai delivered a special lecture on 29/09/2008 about Research to the research scholars.

### **2010-2011**

Prof. Dr. Durgesh Pant, School of Computer Science and IT, Uttarakhand Open University, Uttarakhand delivered a special lecture on Recent trends in IT at GJR'60 Hall on 07/01/2011

The Department of Computer Science and Engineering and Mphasis (HP Company) conducted workshop on Data Ware Housing and its real time tools during January 21 - January 22, 2011

Mr. Parthasarathy V Iyengar, Director, Stylus Academy, Bhilai delivered a special seminar on “Computer Security Analysis and Ethical Hacking” on 07/02/2011.

### **2011-2012**

Mr. Velu Jayaprakash, Developer Relations Manager, Bengaluru delivered special lecture on “Open source CL” at AUMTEC'71 Hall on 17/08/2011.

Dr. Iniya Nehru, Senior Technical Director, National Informatics Center (NIC), Ministry of Communication Information Technology, Chennai delivered special lectures on the following topics to the students on 10/09/2011 at AUMTEC'71 Hall Security issues in information technology

E-Governance

A team of IBM Staff gave presentation on “IBM The great Mind Challenges'11 (Initiative Collaborative Innovative) to the students on 20/09/2011 at AUMTEC'71 Hall

Mr. Thirupathi Arumugam, CEO, Fore Brain Technologies Pvt Ltd delivered special lecture on “Cloud Computing” at AUMTEC'71 Hall on 29/09/2011

Dr. T.V. Geetha, Professor, Department of Computer Science and Engineering, Anna University, Chennai delivered special lecture on “Future Trends - A Web Oriented Perspective” in AUMTEC'71 Hall on 26/12/2011

Mr. Karthick Ragupathy, Lead Developer at MH 31 Internet Solutions, Bengaluru gave a Guest Lecture on Mobile Computing on 29/12/2011

Mr. Baskar Velusamy, Information Technologist Reservoir Simulation Support, Chevron Energy Technology Company, USA delivered special lecture on “Technology trends and Time Management” on 16/03/2012

### **2013-2014**

Mr. Amiruddin Syed Mohamed, Vice President, Software Testing Professional, STC, Chennai delivered special lecture on “Software testing” on 29/08/2013.

70 students participated in State Level One Day Workshop on “Network Simulator-2”, Annamalai University on 14/09/2013

Mr. Josuva, Head, Aptech, Chennai conducted a workshop on Power your future - Microsoft on 18/9/2013

Mr. Saravanan, Technical Expert, NIIT, Bengaluru conducted a special seminar on Android Application on 19/9/2013

102 students participated in National Level One Day Workshop on “Research issues in Wireless Networks”, Annamalai University on 21/09/2013

95 students participated in National Workshop on “Pattern Classification Techniques”, Annamalai University on 28/09/2013

138 students participated in National Workshop on “Pattern Classification Techniques”, Annamalai University on 05/10/2013

Certificate distribution to 50 students of “Power your future” campaign organized by Microsoft on 23/10/2013 was distributed by Mr. Purush Raj

98 students participated in National Workshop on “Latex”, Annamalai University on 26/10/2013

Mr. Mageshwaran Mohan, Associate IT Analyst in Caterpillar, Bangalore delivered seminar on Big data on 10/01/2014 at AUMTEC'71 Hall

B.E (CSE) Final year students (5 students) and B.E(IT) Final year students (5 students) participated in the three days "Entrepreneurship Awareness Camp (EAC)" organized by Entrepreneurship Development Institute, Chennai in association with Annamalai University from 20/01/2014 to 22/01/2014

B.E (CSE) and B.E (IT) Final year students (150 students) participated in the "Entrepreneurship Summit", Annamalai University on 29/01/2014

Microsoft Virtual academy on-line examination for 650 students and 350 of them received e-certificate from Microsoft Corporation

Every week of working days (30 days), session on "Windows Phone Application Development" and "Windows store Application development" is conducted so that the student can get awareness regarding "Application development" on various platforms. About 25 students are benefited.

One week (7 days) MVA (Microsoft Virtual Academy) program for young graduates is organized. Through this program, the students (300 students) have developed their skills and enhanced their knowledge by learning many technical courses and appeared for the on-line examination where they received e-certificate of relevant courses from Microsoft.

#### **45. List the teaching methods adopted by the faculty for different programmes.**

Chalk and talk method , OHP, LCD projectors, Industrial Visits and Exposing the students to expert lectures

#### **46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Continuous assessment of the students using periodic class tests and internal assessment tests both in practical and theory are conducted twice in a semester.

#### **47. Highlight the participation of students and faculty in extension activities.**

- NSS: - 100 students are enrolled every year with one NSS Program officer who is a faculty.
- Red Cross

#### **48. Give details of "beyond syllabus scholarly activities" of the department.**

Special lectures are arranged to motivate research activities in the Department.

#### **49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. - AICTE**

#### **50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Every year, a Conference is conducted in the thrust areas of research
- Number of invited lectures are arranged for the benefit of students.

#### **51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

##### **Strengths:**

- Many National Conferences, Seminars, Technical Symposium were organized
- Our reputation for innovative, student - centered learning
- The high quality of our faculty and students

##### **Weaknesses**

- Yet to get funds from UGC - SAP funding
- Yet to get funds from DIST - FIST funding
- Yet to get more research projects
- Yet to organize International Conferences

- Our expertise in interdisciplinary methods of research
- The practice of rich narrative assessment
- Intensive advising
- High demand for admission
- Too few endowed scholarships for supporting our access and diversity goals

### Opportunities

- To accelerate more research activities
- To help more teaching professionals in the neighbouring Institutions in Research and higher education
- Pipeline programs in partnership with other colleges or university - wide initiatives
- Courses to meet high demand for employment
- Our 25<sup>th</sup> year reunions as opportunities to reconnect with alumni and the renew the Department

### Challenges

- To become well known department Internationally
- To become the best department in terms of publications
- To become the best department in terms of research activities
- Fear of risk taking and innovation

### 51. Future plans of the department.

- To set up research laboratories in major thrust areas of research
- To accelerate and motivate research activities in the Department

## DEPARTMENT OF PHARMACY

**1. Name of the Department:-** Pharmacy

**2. Year of establishment:-** 1982

**3. Is the Department part of a School/Faculty of the university?**

Yes, Faculty of Engineering and Technology

**4. Names of Programmes / Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., D. Sc., D. Litt., etc.)**

D. Pharm. – B.Pharm. – B.Pharm. (Lateral Entry) – Pharm. D (Six year Degree Programme) – Pharm. D (Post Baccalaureate) – M. Pharm. (Industrial Pharmacy) – M. Pharm. (Quality Assurance) – M. Pharm. (Pharmaceutical Chemistry) – M. Pharm. (Pharmacology) – M. Pharm. (Pharmacy Practice) – M. Pharm. (Industrial Pharmacognosy) – M.S (Quality Assurances and Regulatory affairs) – Post Graduate Diploma in international regulatory affairs – Post Graduate Diploma in Intellectual Property Rights and Patent Laws

**5. Interdisciplinary courses and departments involved**

Programme	Courses	Departments
B.Pharm.	Mathematics	Mathematics Section (FEAT)
B.Pharm.	Environmental Science	Chemical Engineering
B.Pharm.	Computer Practice and Computer Applications	Computer Science and Engineering
B. Pharm.	Pharmaceutical Industrial Management	Commerce
M. Pharm.	Advanced Industrial Pharmacy (2 Chapters)	Manufacturing Engineering

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil

**7. Details of programmes / courses discontinued, if any, with reasons :-** Nil

**8. Annual/ Semester/Choice Based Credit System**

Annual system:

- D. Pharm.
- Pharm. D.
- Pharm. D. (Post Baccalaureate)
- Post Graduate Diploma in international regulatory affairs for Pharmaceutical Industries
- Post Graduate in Intellectual property Rights and Patent Laws
- Semester & Choice Based Credit System:
- B. Pharm.
- M. Pharm. (All Branches)
- MS (Quality Assurance & Regulatory Affairs)

**9. Participation of the department in the courses offered by other departments**

Department of Pharmacy participate in the courses offered in the following Departments

- Department of Zoology
- Department of Botany
- Department of Biochemistry and Bio technology



### 10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Actual
Professor	11
Associate Professors	06
Asst. Professors	34

### 11. Faculty profile with name, qualification, designation and Specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Specialization	Designation	Experience. (in yrs)	No of Ph.D Guided in last four years
Dr.K.Kannan	M.Pharm.,Ph.D	Pharm.Analysis	Prof. & Head	30	04
Dr.P.K.Manna	M.Pharm.,Ph.D	Pharmaceutics	Professor	28	02
Dr.Akalanka Dey	M.Pharm.Ph.D.	Pharm. Chem	Professor	28	05
Dr.G.P.Mohanta	M.Pharm.,Ph.D	Pharmaceutics	Professor	28	04
Dr.V.P.Pandey	M.Pharm, Ph.D	Pharmaceutics	Professor	27	04
Dr.K.Valliappan	M.Pharm Ph.D.	Pharm. Chem	Professor	27	03
Dr.G.S.Prasad	M.Pharm, Ph.D	Pharmaceutics	Professor	36	
Mr.M.K.M.Surilivel	M.Pharm	Pharmacology	Professor	26	
Mr.D.Raghupratap	M.Pharm	Pharm.Analysis	Professor	30	
Mr.V.Srinath	M.Pharm	Pharm.Analysis	Professor	26	
Dr.S.C.Basak	M.Pharm, Ph.D	Pharmaceutics	Assoc. Prof.	28	
Dr..D..Sathyanarayana	M.Pharm, Ph.D	Pharmacognosy	Professor	29	02
Dr.V.V.Venkatachalam	M.Pharm, Ph.D	Pharmacology	Assoc. Prof.	23	
Dr.V.Parthasarathy	M.Pharm, Ph.D	Ind.Pharm	Assoc. Prof.	18	04
Dr.K.Janakiraman	M.Pharm, Ph.D	Microbiology	Assoc. Prof.	19	
Dr.C.K.Dhanapal	M.Pharm, Ph.D	Pharmaceutics	Assoc. Prof.	20	02
Dr.N.Kannappan	M.Pharm, Ph.D	Ind. Pharmacy	Assoc. Prof.	18	02
Dr.S.Madhusudhan	M.Pharm, Ph.D	Ind. Pharmacy	Asst. Prof.	14	
Dr.K.Balamurugan	M.Pharm, Ph.D	Pharmaceutics	Asst. Prof.	14	
Dr.T.Sivakumar	M.Pharm, Ph.D	Pharm. Chem	Asst. Prof.	22	
Dr.A.Kottaimuthu	M.Pharm, Ph.D	Ind. Pharmacy	Asst. Prof.	13	02
Dr.S.Selvamuthukumar	M.Pharm, Ph.D	Ind. Pharmacy	Asst. Prof.	12	01
Dr. Ms.D.Kilimozhi	M.Pharm, Ph.D	Ind. Pharmacy	Asst. Prof.	11	
Dr.A.Anton Smith	M.Pharm, Ph.D	Ind. Pharmacy	Asst. Prof.	13	01
Dr.K.Kannan	M.Pharm, Ph.D	Ind. Pharmacy	Asst. Prof.	11	01
Dr.K.Kathiresan	M.Pharm, Ph.D	Ind. Pharmacy	Asst. Prof.	11	01
Mr.R.Murali	M.Pharm	Ind. Pharmacy	Asst. Prof.	16	
Mr. P. Pandian	M.Pharm	Ind. Pharmacy	Asst. Prof.	10	
Dr. P. Venkatesan	M.Pharm, Ph.D	Ind. Pharmacy	Asst. Prof.	09	
Dr. Ms. S. Rani	M.Pharm, Ph.D	Ind. Pharmacy	Asst. Prof.	09	
Dr.M. Swami velmanickam	M.Pharm, Ph.D	Ind. Pharmacy	Asst. Prof.	09	
Dr. S. Parimalakishnan	M.Pharm, Ph.D	Ind. Pharmacy	Asst. Prof.	09	
Dr. V. K. Kalaichelvan	M.Pharm, Ph.D	Pharmacology	Asst. Prof.	20	
Dr.R.Suresh	M.Pharm, Ph.D	Pharm. Chem.	Asst. Prof.	09	

Name	Qualification	Specialization	Designation	Experience. (in yrs)	No of Ph.D Guided in last four years
Mr.D.Ashokkumar	M.Pharm	Pharm. Chem.	Asst. Prof.	09	
Mr.R.T.Saravanakumar	M.Pharm	Pharm. Practice	Asst. Prof.	08	
Ms.B.Jayanthi	M.Pharm	Ind. Pharmacy	Asst. Prof.	16	
Mr.N.Srinivasan	M.Pharm	Pharmacognasy	Asst. Prof.	07	
Ms.M.Menaka	M.Pharm	Ind. Pharmacy	Asst. Prof.	07	
Dr.G.Alagu manivasagam	M.Pharm, Ph.D	Ind. Pharmacy	Asst. Prof.	07	
Mr.G.Gopalakrishnan	M.Pharm	Pharmacy Practice	Asst. Prof.	07	
Mr.P.Mahendrarvarman	M.Pharm	Pharmacy Practice	Asst. Prof.	07	
Mr.D.Senthil Kumar	M.Pharm	Pharmacology	Asst. Prof.	07	
Mr.R. Sanil Kumar	M.Pharm	Ind. Pharmacy	Asst. Prof.	06	
Mr. G Veeramani	M.Pharm	Pharmacy Practice	Asst. Prof.	06	
Mr.K.Saravanan	M.Pharm	Pharmacy Practice	Asst. Prof.	06	
Mr.S. Sivakrishnan	M.Pharm	Pharmacology	Asst. Prof.	06	
Mr.P.Balachandran	M.Pharm	Pharmacology	Asst. Prof.	06	
Ms. G.Sivakamasundari	M.Pharm	Quality Assurance	Asst. Prof.	05	
Ms.K.Devi	M.Pharm	Quality Assurance	Asst. Prof.	05	
Mr. V.P. Maheshkumar	M.Pharm	Pharmacy Practice	Asst. Prof.	05	

## 12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors

Dr. Rajesh Balakrishnan, Michigan University, USA is working as adjunct faculty for Pharm D. programme

## 13. Percentage of classes taken by temporary faculty - programme-wise information: Nil

## 14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
D. Pharm.	1:20
B. Pharm.	1:13
Pharm. D.	1:12
M. Pharm.	1:5
M.S. (QA & Regulatory Affairs)	-

## 15. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Actual
Technical Staff	52
Administrative Staff	15

## 16. Research thrust areas recognized by funding agencies

- Nanotechnology based drug delivery system
- Transdermal drug delivery system
- Enantioselective separation and Analysis of Chiral drugs
- Quality Assurance & Regulatory affairs
- Herbal drug technology
- Development of Analytical methods for newer pharmaceuticals

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

➤ Number of Faculty with ongoing projects

National Funding agencies: 15; International Funding agencies : 5

Total Grants Received : 310.621 Lakhs

➤ Details of the Grants Project-wise:

Principal investigator / Coordinator	Title	Funding agency	Amt. Lakhs	Yr of sanction
Dr. C.K.Dhanapal	Antidiabetic activities of alysicarpeus monylifer in streptozotocin induced diabetic rats	UGC	9.868	2013
Dr. V.P.Pandey	Formulation and evaluation of selected drugs through naseel drug delivery systems	UGC	14.658	2013
Dr. S.Rani	Purification, crystallisation and pharmacological evaluation of isolated compounds from leptadenia reticulanta wight and arn and lawsonia infermis	UGC	11.638	2013
Dr. K. Kannan	Studies on complement system, alternate pathway stimulant activity of selected herbal drugs	UGC	11.778	2012
Dr. G.S. Prasad	Development of microbial quality control protocols for non-parenteral products including raw materials	UGC	10.638	2012
Dr. Lt. S. Thiru murugu	Bioavailability studies of oral antidiabetic drugs along with other drugs meant for co-existing diseases	UGC	3.64	2012
Dr. Kilimozhi	Purificatoin, crystallisation and pharmacological evaluation of isolated compounds from Delonix elata Linn and clerodendrum phlomidis Linn for antiarthritic activity	UGC	6.97	2012
Dr. N. Kannappan	Traditional system of medicine for the treatment of diabetes using selected herbal drugs and their standardization	UGC	8.583	2012
Dr. G.P.Mohanta	Estimation of Medicines and Budgetary Requirements (for Medicines) in India	(WHO Country Office for India Supported Project)	6.07	May 2011-December 2011
Dr. R.Manavalan	Centre of Relevance and Excellence (CORE)	TIFAC, DST	45.0	2010 - 2015
Dr. G.P.Mohanta	Implementing Hospital Acquired Infection Control Programme/-	[Ecumenical Pharmaceutical Network, Kenya, supported project]	0.88	July 2010 to September 2010
Dr. A.Kottaimuthu	Antiartherogenic and antioxidant activities of iodonium surfficosum in rat fed with artherogenic diet	AICTE (Carrier award for Young Teachers)	10.5	2010 - 2013

Principal investigator / Coordinator	Title	Funding agency	Amt. Lakhs	Yr of sanction
Dr. G.P.Mohanta	Antimicrobial Resistance Campaign: Use Antimicrobials Appropriately, Save them for Future	(Ecumenical Pharmaceutical Network, Kenya Supported Project	0.5	2009
Dr. A.Kottaimuthu	Antiarterogenic and antioxidant activities of mucuna pruriens in rat fed with arterogenic diet	UGC MRP	7.478	2009 - 2012
Dr.R.Manavalan	SAP	UGC	42.00	2008 - 2013
Dr.R.Manavalan	Innovative programme	UGC	50.00	2008 - 2012
Dr.R.Manavalan	FIST level I	DST	55.00	2008- 2013
Dr.R.Manavalan	Pharmacological screening of anti-fertility activity of saccharum officinarum (gramineae) extract by using albino rats.	UGC MRP	13.8	2007- 2010
Dr.G.P.Mohanta	Assessment of Antimicrobial Use and Management in Cuddalore District Hospital (Tamil Nadu)	[Health Action International, Asia Pacific, funded Project	0.57	2006-2007
1. Dr. Guru Prasad Mohanta, 2. Dr. P. K.Manna,	Establishing Peripheral Pharmacovigilance Centre under the National Pharmacovigilance Programme	[Government of India Funded Project]	1.05	2005-2008

## 18. Inter-institutional collaborative projects and grants received

### a) All India collaboration

Title	Collaborating Institutions	Grant received (Rs Lakhs)
Development and Standardization of Pharmaceutical and Biotechnological Products	Manipal College of Pharmaceutical Sciences, Manipal, Bharti Vidyapeeth College of Pharmacy, Pune, and Hamdard University, New Delhi With financial assistance from AICTE under nationally coordinated project.	15.00
Application of Neural Network Concept to Pharmaceutical analysis	MEPCO SCHLENK Engineering College, Virudhunagar and with financial assistance from AICTE	2.00

### b) International: Nil

## 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.

DST - FIST Level 1	: Rs. 55.00 lakhs
UGC SAP - DRS	: Rs. 42.00 lakhs
UGC innovative programme	: Rs. 50.00 lakhs
Total	: Rs. 147.00 lakhs

## 20. Research facility/centre with

- state recognition : Nil
- national recognition : Nil
- international recognition : Nil

## 21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

## 22. Publications:

- Number of Papers published in peer reviewed journals (national / international) : 143 (Annexure - I)
- Monographs : NIL
- Chapters in Books : One  
V.Parthasarathy, G.S.Prasad and R.Manavalan, Chapter 40. Characterisation of Streptomyces from lignite mines and their antagonistic activity against bacteria and fungi, *Recent Advancement in system modeling applications, Springer publications (2013)* (DOI:10.1007/978-81-322-1035-1\_40)
- Edited Books : Nil
- Books with ISBN with details of publishers: 1
- Number listed in international database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): 98
- Citation Index - range / average : 0 - 39
- SNIP : 0 - 1.504
- SJR : 0 - 1.097
- Impact Factor - range / average : 0.105 - 1.945
- h-index : 2 - 27.6

## 23. Details of patents and income generated

**Obtained a Patent** for "PROCESS FOR THE ISOLATION OF HEPATOCURATIVE FRACTION FROM DEHYDRED POULTRY WASTE (OR) LITTER" [patent No. 254893] by Dr.K.Kathiresan, Asst. Professor of Pharmacy

One patent application is pending as detailed below:

- Fungal Chitosan (Application No 1288/CHE/2008 date 27/05/2008)  
One Patent is in process
- Preparation, Method of Benzothiazole derivative antidiabetic activity by Dr. A. Anton smith and Ms. S. Amuthalakshmi

## 24. Areas of consultancy and income generated

- Preformulation studies
- Stability studies for pharmaceuticals
- Analytical Method Development and validation

## 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad

Name	Country Visited	Purpose
Dr.R.Manavalan	Kyoto, Japan	Attended the Pharmaceutical Sciences World Congress held at Kyoto, Japan and presented a paper.
Dr.K.Kannan	Singapore	To undergo specialised training on HPLC and LC = MS at Shimadzu Asia Pacific Ltd.
Dr.C.K.Dhanapal	USA	To undergo training in Clinical Pharmacy at Western University, USA

Name	Country Visited	Purpose
Dr.S.Parimalakrishnan	USA	To undergo training in Clinical Pharmacy at Lutz Pharmacy, Iowa, USA
Dr.K.Valliappan	USA	Visiting Professor
Dr.R.Manavalan	Chulalongkorn University, Bangkok (Thailand).	Attended a short course in Pharmacoeconomics (Evidence Money and Drug selection)
Dr.G.P.Mohanta	Sydney	Attended FIP Congress
Dr.G.P.Mohanta	London	Training on clinical Pharmacy
Dr.V.Parthasarathy	U.K	Completed Ph.D
Dr.P.Venkatesan	China	Attended the BIT's 2nd Annual Symposium of Drug Delivery Systems - 2012 at Nanjing, China, scheduled from 8th November to 10th November, 2012 and Deliver a plenary lecture on Microencapsulation: A Vital Technique in Novel Drug Delivery System.

## 26. Faculty serving in - a) National committees b) International committees c) Editorial Boards d) any other (please specify)

- National Committees : Nil
- International Committees : Nil
- Editorial Boards : Nil
- Board of Studies : 5
- Doctoral Committees : 27
- Board of Selection : 3

## 27. Faculty recharging strategies

Faculty is encouraged to participate in seminars, conferences, workshops, STTPs, Summer/winter schools, and Training programmes.

## 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects: - 100% of the students of B. Pharm. and Pharm. D are doing in House Project
- percentage of students doing projects in collaboration with other universities / industry / institute :- 100% of the students of M. Pharm. (All Branches ) and MS programme students are doing projects in industry

## 29. Awards / recognitions received at the national and international level by

- Faculty

Dr. R. Manavalan, Professor and Head, Department of Pharmacy has been awarded BSR fellowship by University Grants Commission

Dr. G.P. Mohanta, Professor and Dr. C.K.Dhanapal, Reader acted as co-chairmen in 21<sup>st</sup> National Conference of the Indian Society of Hypertension "BPCON 2011" held at Raja Muthiah Medical College, Annamalai University from 24-25<sup>th</sup> Sep.2011.

Dr. V.K. Kalaichelvan, Asst.Professor and NSS Prog.officer (unit no;10) was appointed as a member of Advisory committee of NSS Annamalai University.

- Students

Mr. Achyuth Kumar. Y, III Yr PharmD (Post Baccalaureate), Mr. Agustin Prabhu, II Yr PharmD (Post Baccalaureate), Naresh. T, IV Yr PharmD (Six Year Integrated), Mr. Anil Kumar.

B, IV Yr PharmD (Six Year Integrated), Mr. Vidhya Sagar Reddy, IV Yr PharmD (Six Year Integrated), Mr. Shaleem IV Yr PharmD (Six Year Integrated) and Syed Zahed Pasha, IV Yr PharmD (Six Year Integrated) participated International Conference on “Recent Advances in Pharmaceutical Science: Transferring Knowledge from Education to Practice” at Kathmandu University, Nepal on 25<sup>th</sup> & 26<sup>th</sup> of February 2012 organised by Pharmanext.

Naresh. T, IV Yr PharmD (Six Year Integrated), presented poster presentation in International Conference on “Recent Advances in Pharmaceutical Science: Transferring Knowledge from Education to Practice” at Kathmandu University, Nepal on 25<sup>th</sup> & 26<sup>th</sup> of February 2012 organised by Pharmanext.

Ms. Chitanya Lakshmi and Ms. J. Ponni, III Yr PharmD (Post Baccalaureate), 2011, published a book on “A Handbook on Drugs Used in Obstetrics & Gynaecology”. The book is being used by clinicians of Rajah Muthiah Medical College and Hospital, Annamalai University.

Mr. Anoop. P, III Yr PharmD (Post Baccalaureate), 2012, published a book on “Handbook on Infection Management in Obstetrics & Gynaecology” the book is being used by clinicians of Rajah Muthiah Medical College and Hospital, Annamalai University.

### **30. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

<b>Conference/ Seminars/ Workshop/ Symposium</b>	<b>Theme of Activity and dates</b>	<b>Sponsoring Agency</b>
Workshop	Drug Synthesis Strategies 17th February 2007	UGC
Refresher Course	Advances in Pharmacology and Herbal Technology 24.01.2007 to 13.02.2007	UGC
Workshop	Good Dispensing Practices 9th September, 2007	Pharmacy Council of India and Tamilnadu State Pharmacy Council
Workshop	“Cosmetics Standard, Regulation and Control: A Growing Need” 16th November, 2007	World Health Organisation (WHO) - India Country office
Training	“Drug Information Services for Hospital Pharmacists”	Alumni Association
Students seminar	Trends in Pharmaceutical Sciences (TIPS)-2008	Annamalai University Pharmacy Association
Workshop	“Rational Use of Drugs”, 20.07 2010	Drug Action Forum
Workshop	Synthon Approach: The Theory and Practice on 20th February 2010	UGC
International seminar	“Quality Assurance and Regulatory Affairs for Pharmaceutical Industry” 17th March 2010.	Organized by TIFAC-CORE of Annamalai University, Northwestern University, Boston, USA, Tamil Nadu Drugs Control Officers Association (TNDCOA), Indian Pharmacy Graduates Association (IPGA) Tamil Nadu Branch, Pharmaceutical Manufacturers Association (PMA), Tamilnadu and Indian Pharmaceutical Association (IPA), Tamil Nadu Branch.

<b>Conference/ Seminars/ Workshop/ Symposium</b>	<b>Theme of Activity and dates</b>	<b>Sponsoring Agency</b>
National Seminar	Drug Delivery through Nano-technology 10th & 11th March 2010	UGC
International symposium	Indo-American Pharmaceutical Regulatory Symposium November 20th - 21st 2010	Jointly Organised by Sri Ramachandra University, Chennai Annamalai University, Chidambaram JSS University, Mysore Northeastern University - Boston, USA
For persons working in industry	LC - MS/MS 10th February 2007	AICTE
Training Programme	Entrepreneurship Development Programme, 21 - 22 Feb 2007	AICTE
National Seminar	"Recent developments in Pharmaceutical Biotechnology" 7th & 8th March 2009..	UGC
Students seminar	Trends in Pharmaceutical Sciences (TIPS)-2010 15th & 16th Feb.2010	Annamalai University Pharmacy Association
Continuing Education Programme for community Pharmacists	Good Dispensing Practices 6th March 2010	UGC
National Seminar y	Drug Delivery through Nano-technology 10th & 11th March 2010	UGC (under SAP DRS Phase-I)
International seminar	"Quality Assurance and Regulatory Affairs for Pharmaceutical Industry"	Organized by TIFAC-CORE of Annamalai University, Northwestern University, Boston, USA, Tamil Nadu Drugs Control Officers Association (TNDCOA), Indian Pharmacy Graduates Association (IPGA) Tamil Nadu Branch, Pharmaceutical Manufacturers Association (PMA), Tamilnadu and Indian Pharamceutical Association (IPA), Tamil Nadu Branch.
National seminar	"Transdermal drug delivery system" 23rd Sep.2011	UGC-SAP DRS
Workshop	Intellectual Property Rights, Patent Law and Commercialization of Patents 10th March 2011	UGC
National level workshop	"Hands on training: Animal Handling and Pharmacological studies" on 5th March 2012.	UGC
Students seminar	Trends in Pharmaceutical Sciences (TIPS)-2012 16th & 17thApril .2012	Annamalai University Pharmacy Association
Workshop	Sensitization programme for community pharmacists on Tuberculosis and DOTS 6th March 2012	Project AKSHYA (An International NGO working on Tuberculosis)



### 31. Code of ethics for research followed by the departments:

- The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices (GRP).
- Researchers are aware and comply with the ethical and legal requirements relating to human participants, animals, disclosures of personal information, biological material transfer and testing, and biodiversity protection before undertaking research. All researchers follow the standard procedures for conducting research laid down by relevant scientific and professional bodies.
- All research involving use of data and material relating to human subjects as well as laboratory animals are approved by the Ethical Committees constituted by our University. No research is undertaken until all of the required approvals and authorisations are given from the appropriate ethical committees.
- The Institutional Animal Ethics Committee (IAEC) examines proposals for the conduct of animal studies follows the rules for Good Laboratory Practice established by the Committee for the Purpose of Control and Supervision on Experiments on Animals (CPCSEA) under the guidance of an authorized veterinarian.
- The Institutional Human Ethics Committee (IHEC) scrutinizes the use of human volunteers and clinical samples for research. Sampling of human tissues and biological fluids confirm to the *Ethical guidelines for biomedical research on human participants* (2006), issued by the Indian Council of Medical Research, New Delhi.

### 32. Student profile course-wise (for the year 2012 – 2013):

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
D. Pharm.	90	24	36	62	82
B. Pharm.	250	46	34	75	80
B. Pharm. (Lateral Entry)	15	10	02	Yet to complete the course	
Pharm. D (Six year Integrated)	78	12	18	Yet to complete the course	
Pharm. D (Post Baccalaureate)	2	02	00	91	---
M. Pharm.	37	12	03	100	100

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from			
	the same university	other universities within the State	from universities outside the State	from other countries
D. Pharm.	---	97	03	--
B. Pharm.	----	80	10	10
B. Pharm. (Lateral Entry)	95	05	--	10
Pharm. D (Six year Integrated)	---	55	45	--
Pharm. D (Post Baccalaureate)	--	--	100	---
M. Pharm. (Industrial Pharmacy)	80	20	--	--
M. Pharm. (Quality Assurance)	75	25	--	--
M. Pharm. (Pharmaceutical Chemistry)	--	--	--	--
M. Pharm. (Pharmacology)	--	--	--	--
M. Pharm. (Pharmacy Practice)	25	75	---	---
M. Pharm. (Industrial Pharmacognosy)	--	--	---	---

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.:** GPAT                      02 in 2012 – 2013                      02 in 2013 - 2014

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	65
PG to M. Phil.	---
PG to Ph.D.	14
Ph.D. to Post-Doctoral	
Employed	<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>
Entrepreneurs	

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	51.5
from other universities within the State	15.5
from universities from other States	31
from universities outside the country	02

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period :** Ph. D. : 30

### 38. Present details of infrastructural facilities with regard to

- a) Library: - Number of Books in the Departmental Library : 5250  
 Number of Journals/Periodicals in the departmental library : 19
- b) Internet facilities for staff and students: - Number of Computers with internet connection through university campus wide network : 15
- c) Total number of class rooms : 05
- d) Class rooms with ICT facility : 01
- e) Students' laboratories : 16
- f) Research laboratories : 05

### 39. List of doctoral, post-doctoral students and Research Associates (in assessment period)

a) from the host university : 70

Name of Candidate	Name of Candidate	Name of Candidate
Kiran Krishnan	Sudhir. R	Sentil Kumar.V
Santhanu Roy	Saravanan.T	Jeevitha. M
Sriram	Poonguzhali . S	Jainaf Nachiya. R.A.M
Kenneth. N	Arun kumar. A	Sivagamasundari. G
Godwin Kumar. S	Manikandan. M	Sivakrishnan. S
Senthil Kumar. N.S.K	Velmurugan. R	Senthil Kumar. D
Shaik Ruhu al Amin	Venkatesan. S	Srinivasan. N
Ravichandran. S	Utpal Jana	Raghupratap. D
Gurumani. M	Venkatesan. N	Surulivel. M.K.M
Yatindra Kumar	Kumarasamy Raja. D	Ashok Kumar. D
Sutar Ravindra Chandrakant	Gopi.V	Menaka. M
Ramkumar. P	Sovan lal Pal	Jayanthi. B
Naveen Kumar C. H.	Vivek Sarathi.V	Saravanan. K
Kanchana Narsinga Rao. D	Saravanan.T	Saravana Kumar. R.T
Sanjiv mervyn. J	Lakshmi. S	Pandian. P
Sudhakar Rao. G	Moorthi. C	Balachandran. P
Madhukar Akkala	Anjan Kumar Mohanty	Srinath. V
Chandra. S	Daithri Boipai	Veeramani. V
Arpan Mukherjee	Rajaganapathy. V	Gopalakrishnan. G
Sakthivel. M	Singi Reddy Anandam	Mahesh. V.P
Pavan kumar.G	Ramesh. P	Murali. R
Srinivasan. R	Balaji. K	Sanil Kumar. R
Rajendara prasad. M	Murugesan. A	
Raja. S	Balaji. P	

b) from other universities

: 60

Candidate name	Candidate name	Candidate name
Noohu. A	Siddabathuni Aneela	Kumarasamy raja. D
Sirajudeen. S	Somnath De	Manimekalai.V
Syed dawood Noor	Arul. K	Dhanalakshmi.V
Chandrasekaran. K	Santhiswaroop. M	Kathirvan. P
Arun abraham Edsow	Lakshmikanta Kanthal	Perumal. P
Rajeshwari amma. C	Packia raj J.M.	Rajinikanth. B
Rajasehar. S	Sindhu Jose	Muthu kumar.V
Akash Marathakam	James D. Terish Rino	Sathiya sundar. R
Venkateswaran. C.S.	Manju Maria Mathews	Amudha. M
Prathap .B	Prem Kumar. P	Giriraj. P
Sreejith. M	Andhuvan. G	Senthilraj. R
Sudhir Singh Gangwar	Pavala rani. N	Senggottuvel. T
Chandrasekaran. K	Leena Mathew	Raghuraman. V
Korlapati Venkateswara Rao	Mohammed Abdul Razack	Anson S. Maroky
Zarine Majmuddin Khety	Latha Eswari. R	Ajay Kumar. T.V
Menakashi Sinha	Vijay Roy	Karthikeyan. V
Minu B. Pattasseril	Rajiv Hiremath	Sai Sandeep. M
Gadiraju Ramalingaraju	Sivagamy. M	Amutha Iswarya Devi. J
Praful P. Joshi	Manju. P.T	Umakrithika. S
Shamna. M.S.F	Amutha lakshmi. S	Parasuraman. P

**40. Number of post graduate students getting financial assistance from the university?** Nil

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

The experts from the Pharmaceutical Industry who are collaborating in conducting PG programmes are consulted.

At least one expert from Pharmaceutical Industry is nominated for Board of Studies in Pharmacy

**42. Does the department obtain feedback from**

**a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Feedback from the faculty members are obtained on curriculum as well as teaching-learning-evaluation in the regular staff meeting conducted at least once in a month.

**b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Feedback from students on staff and teaching-learning-evaluation are obtained from final year students and the same is conveyed to the respective staff so that they can improve their performance

**c. Alumni and employers on the programmes offered and how does the department utilize the feedback?**

Staff members visit the collaborating Pharmaceutical Industries twice in a year as part of assessing the students performance in Industry. During the visit staff members interact with the experts in industry to get the feedback and necessary corrective action are taken wherever necessary

#### 43. List the distinguished alumni of the department (maximum 10)

Name of the Alumnus	Particulars/ Status
Mr. M. Anantha Natarajan	Represented India, Gold Medal in 100m in Southeast Asian Meet, Islamabad 1991; Silver Medal in 100m in Asian Track & Field Meet, New Delhi.
Dr. Ramesh Naidu	Entrepreneur, Medicine Shoppe International Inc, St. Louis, Missouri, USA
Dr. V. Parthasarathy	Recipient of Ford Foundation Fellowship, Associate Professor, Department of Pharmacy, Annamalai University
Dr. N. Venkatesan	Asst. Professor, Dept of Pharmaceutical Sciences, Chicago College of Pharmacy, Midwestern University
Mr. Manivannan	Deputy Director, Central Drugs Standard Control Organization
Dr. Jaganatha Rao Kandula	Manager, Viral Production Fermentation and Bacterial Fermentation development, Acambis Inc., Canton, MA 02021, USA
Dr. R. Rajesh kumar	Director-Injectable, Parenterals R &D (Proprietary Products), Dr. Reddys Laboratories Ltd, Princeton, New Ark, USA.
Dr. D. Murali Krishnan	Associate Professor, Dept. of Pharmaceutical Sciences, Harrison School of Pharmacy, Auburn University, Auburn, USA
Dr. Thota Prasad,	Pharmacovigilance Officer, National Pharmacovigilance Coordinating Centre, Indian Pharmacopoeia Commission, Govt. of India
Mr. J. Raghunathan,	Managing Partner & Technical Executive, BHARAT COATS, Chennai.

#### 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Conference/ Seminars/ Workshop/ Symposium	Theme of Activity and dates	Sponsoring Agency
Workshop	Drug Synthesis Strategies 17th February 2007	UGC
Refresher Course	Advances in Pharmacology and Herbal Technology 24.01.2007 to 13.02.2007	UGC
Workshop	Good Dispensing Practices 9th September, 2007	Pharmacy Council of India and Tamil Nadu State Pharmacy Council
Workshop	"Cosmetics Standard, Regulation and Control: A Growing Need" 16th November, 2007	World Health Organisation (WHO) - India Country office
Training	"Drug Information Services for Hospital Pharmacists"	Alumni Association
Students seminar	Trends in Pharmaceutical Sciences (TIPS)-2008	Annamalai University Pharmacy Association
Workshop	"Rational Use of Drugs", 20.07 2010	Drug Action Forum
Workshop	Synthon Approach: The Theory and Practice on 20th February 2010	UGC
International seminar	"Quality Assurance and Regulatory Affairs for Pharmaceutical Industry" 17th March 2010.	Organized by TIFAC-CORE of Annamalai University, Northwestern University, Boston, USA, Tamil Nadu Drugs Control Officers Association (TNDCOA), Indian Pharmacy Graduates Association (IPGA) Tamil Nadu Branch, Pharmaceutical Manufacturers Association (PMA), Tamilnadu and Indian Pharmaceutical Association (IPA), Tamil Nadu Branch.
National Seminar	Drug Delivery through Nano-technology 10th & 11th March 2010	UGC

Conference/ Seminars/ Workshop/ Symposium	Theme of Activity and dates	Sponsoring Agency
International symposium	Indo-American Pharmaceutical Regulatory Symposium November 20th - 21st 2010	Jointly Organised by Sri Ramachandra University, Chennai Annamalai University, Chidambaram, JSS University, Mysore Northeastern University - Boston, USA
For persons working in industry	LC - MS/MS 10th February 2007	AICTE
Training Programme	Entrepreneurship Development Programme, 21 - 22 Feb 2007	AICTE
National Seminar	"Recent developments in Pharmaceutical Biotechnology" 7th & 8th March 2009..	UGC
Students seminar	Trends in Pharmaceutical Sciences (TIPS)-2010 15th & 16th Feb.2010	Annamalai University Pharmacy Association
Continuing Education Programme for community Pharmacists	Good Dispensing Practices 06th March 2010	UGC
National Seminar y	Drug Delivery through Nanotechnology 10th & 11th March 2010	UGC (under SAP DRS Phase-I)
International seminar	"Quality Assurance and Regulatory Affairs for Pharmaceutical Industry"	Organized by TIFAC-CORE of Annamalai University, Northwestern University, Boston, USA, Tamil Nadu Drugs Control Officers Association (TNDCOA), Indian Pharmacy Graduates Association (IPGA) Tamil Nadu Branch, Pharmaceutical Manufacturers Association (PMA), Tamilnadu and Indian Pharmaceutical Association (IPA), Tamil Nadu Branch.
National seminar	"Transdermal drug delivery system" 23rd Sep.2011	UGC-SAP DRS
Workshop	Intellectual Property Rights, Patent Law and Commercialization of Patents 10th March 2011	UGC
National level workshop	"Hands on training: Animal Handling and Pharmacological studies" on 5th March 2012.	UGC
Students seminar	Trends in Pharmaceutical Sciences (TIPS)-2012 16th & 17th April .2012	Annamalai University Pharmacy Association
Workshop	Sensitization programme for community pharmacists on Tuberculosis and DOTs 6th March 2012	Project AKSHYA (An International NGO working on Tuberculosis

#### 45. List the teaching methods adopted by the faculty for different programmes.

Programme	Teaching methods adopted
Diploma	Blackboard teaching - Practicals - Hospital Training
Degree	Blackboard teaching - Teaching with audio visual aids - Teaching with computer based teaching materials - Regular Practical - Practical with simulated software for teaching Pharmacology - Students seminar - Assignment - Project works - Hospital Training - Industrial Training

Programme	Teaching methods adopted
PG programmes	Placing the students in real time industrial environment for seven months – Blackboard teaching – Teaching with audio visual aids – Teaching with computer based teaching materials – Regular Practical – Students seminar – Assignment – Project works
Pharm. D	Blackboard teaching – Teaching with audio visual aids – Regular Practical – Students seminar – Assignment – Project works – Bedside Teaching in Hospital wards

**46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Mid-term tests, Assignment and Seminars.

**47. Highlight the participation of students and faculty in extension activities.**

Scope for students and staff in extension activities:

- Annamalai University Pharmacy Association (Which organizes a variety of extra curricular and Co-curricular activities through out the year)
- Indian Pharmacy Graduates association (Students Chapter)
- Antimicrobial resistance awareness campaign were carried out in which the school children were sensitized on health, hygiene and medicine use. The children are targeted as a messenger for change in medicine use. More than 1000 children of 12 schools of Cuddalore district were covered under the programme and the programme has caused an increased knowledge level of children
- Campaign promoting the use of Oral Rehydration Salts and Zinc as a first line therapy in treatment of diarrhoea in children.
- Campaign on breast feeding by counselling the lactating mothers.
- Campaign on hospital acquired infection by organising series of sensitising programmes for junior doctors, nurses, pharmacists and the sanitize workers

**48. Give details of “beyond syllabus scholarly activities” of the department.**

1. Journal Club- Lectures by staff and research scholars
2. “Trends In Pharmaceutical Sciences”, the student seminar organized at National Level once in Two years
3. “Publication of “Pharm Pals” the health Magazine
4. Regular seminars by students

**49. State whether the programme/department is accredited/ graded by other agencies? If yes, give details. - No.**

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Contribution Has Been Made In The Application Of Chemometric Tools In The Field Of Chromatography, Specifically In The Development Of Analytical Methods For Drugs By HPLC And In The Development Of Novel Drug Delivery System.
- Applications Of Artificial Neural Network Systems In Drug Analysis
- Four Papers Related To Rational Medicine Use, Medicine Sale & Supply, And Community Pharmacy Practice Authored By S. C. Basak And D. Sathyanarayana Have Been Indexed In World Health Organization’s Medicine Documentation Database
- A Paper ‘Rational Use Of Medicines In India’ By S C Basak In Ecumenical Pharmaceutical Network (EPN) Newsletter (2007) Was Adjudged Third-Runner Up In

Promoting Rational Use Of Medicines' (PRUM) International Competition Conducted By EPN Under the auspices of WHO.

Significant contribution is made in providing improved health care through implementation of Pharmaceutical care plan. In addition the department has contributed in strengthening the healthcare delivery system through

- Preparing of Standard Treatment Guidelines for Common infectious conditions, guide on medicines generally used in Obstetrics and Gynaecology are developed.
- Pharmacovigilance programme
- Drug Information service to Physicians and other healthcare providers
- Sensitisation programmes for Physicians and other healthcare providers on hand hygiene and hospital acquired infection

### 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

#### Strengths:

- Well qualified, dedicated and motivated team of teaching staff from premier Institutions across India
- Well equipped laboratories with state of art facilities
- Flexibility in teaching learning process
- Patents & Encouragement for innovations
- Good Industrial Collaboration and Foreign Collaboration

#### Weakness:

- Geographical location in rural area away from city where Pharmaceutical industries are located.
- Only few faculty have industrial work experience
- Lack of organized formal research collaborations with Pharmaceutical Industries.
- Lack of research outputs that would bring national focus
- Lack of Subscription to Drug related International databases

#### Opportunities:

- Feasibility of interdisciplinary research with various departments of the University such as Chemistry, Biochemistry, Zoology, Botany, Marine Sciences, Medical Pharmacology, Medical Microbiology etc.
- Potential to perform sponsored research projects from industries and various organizations such as DST/ICMR/UGC etc.
- To be a recognized national centre for any specialized Pharmaceutical domain
- Consultancy services to small and medium scale Pharmaceutical industries
- Adverse Drug Reactions (ADR) monitoring

#### Challenges:

- Meeting the fund for mounting recurring expenditure specially for maintenance of sophisticated equipments
- Teaching students who are first-generation literates and with prior education in regional language medium.
- Declining enrolments for PG. Programmes
- Placement of the graduates from the Department.
- Improving the quality of communication and soft skills of the students in the context of their rural background

### 52. Future plans of the department.

- To establish national facility for "Chiral Drug Research"
- To create a centre for continuing professional development training centre for professional Pharmacists and Pharmacy Practice Teachers
- To strengthen the herbal drug research by integrating the traditional knowledge and modern science through integrated approach for development, evaluation and standardisation of herbal drug.

## DEPARTMENT OF EDUCATION

- 1. Name of the Department** :- Education
- 2. Year of establishment** :- 1953
- 3. Is the Department part of a School/Faculty of the university?** Yes, Faculty of Education
- 4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**  
B.Ed., M.Ed., M.Phil., Ph.D., and D.Litt.
- 5. Interdisciplinary courses and departments involved** : Nil
- 6. Courses in collaboration with other universities, industries, foreign institutions, etc.** : Nil
- 7. Details of programmes / courses discontinued, if any, with reasons** : Nil
- 8. Annual/ Semester/Choice Based Credit System**  
B.Ed.: Annual – M.Ed.: Semester
- 9. Participation of the department in the courses offered by other departments:**  
M.Sc., Nursing and M.P.T., Physiotherapy
- 10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned *	Actual **
Professor	01	08
Associate Professors	05	05
Asst. Professors	16	17

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. N.O.Nellaiyapen	M.Sc., M.H.Ed., M.Ed., Ph.D.	Professor and Head	Science Education, Educational Research, Environmental Education, Educational Technology	34	6
Dr. G. Viswanathan (on lien) (2012-2015) Vice-Chancellor, Tamilnadu Teachers Education University)	M.A., M.Ed., Ph.D.	Former Dean	(Teaching of Social Science	28	8



Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr.R.Krishnakumar	M.A., M.H.Ed., M.Ed., Ph.D( Phil.), Ph.D(Edn )	Professor	Philosophy of Education, Educational Technology	31	8
Dr.R.Babu	M.Com.,M.Ed.,Ph.D.,	Professor	Commerce Education	27	5
Dr.B.Minnelkodi	M.Sc., M.Ed., M.Phil., Ph.D.	Professor	Content and Methodology of Teaching Zoology, Environmental Education	24	8
Dr.S.Rajasekar	M.Sc., M.Ed., M.Phil., Ph.D	Professor	Science Education	21	8
Dr.R.Gnanadevan	M.Sc., M.Phil., M.Ed., Ph.D.	Professor	Science Education	18	7
Dr.G.Raju	M.Sc. M.Ed., Ph.D	Professor	Science Education	16	6
Dr.M.Soundararajan (on lien - Tamilnadu Teachers Education University)	M.A., M.Ed., M.Phil., Ph.D.	Associate Professor	Teaching Economics	15	7
Dr.T.Thilagavathy	M.A., M.Ed., M.Phil., Ph.D	Associate Professor	Educational Psychology	13	6
Dr.S.Kulasekara Perumal Pillai	M.Sc., M.Ed., M.Phil., Ph.D	Associate Professor	Science Education	13	6
Dr.P.N.Nataraj	M.A., M.Com., M.Ed., Ph.D.	Associate Professor	Philosophy of Education, Educational Administration	13	5
Dr.N.L.N.Jayanthi	M.A., M.Ed., M.Phil., Ph.D(Eng). Ph.D(Edn)	Associate Professor	Content and Methodology of Teaching English	12	6
Dr.P.Ponraj	M.Sc., M.Ed., M.Phil., Ph.D	Assistant Professor	Science Education, Educational Technology, Educational Psychology	11	3
Dr.C.Jayanthi	M.Sc., M.Ed., M.Phil. Ph.D.	Assistant Professor	Natural Science, Curriculum	11	
Dr.T.Tamizhselvan	M.A., M.Ed., M.Phil., Ph.D	Assistant Professor	Methodology of Teaching Tamil, Innovation Trends approaches of Teaching Tamil	11	
Dr.V.Balakrishnan (on lien) Tamilnadu Teachers Education University)	M.Sc., M.Phil., M.Ed., Ph.D	Assistant Professor	Value Education, Science Education Curriculum Development Philosophy of Education	11	5

Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr.M.Govindan (on lien) Tamilnadu Teachers Education University)	M.A., M.Ed., Ph.D	Assistant Professor	Educational Psychology Teacher Education Vocational Education	11	
Dr.P.Ganesan (on lien) Tamilnadu Teachers Education University)	M.A., M.Ed., M.Phil., Ph.D.	Assistant Professor	Methodology of Teaching History, Computer Science, Curriculum Development, Educational Technology.	11	5
Dr.G.Arumugam	M.Sc., M.Ed., Ph.D.	Assistant Professor	Science Education, Philosophy of Education	08	3
Dr.S.Kalaivani	M.Sc., M.Ed., M.Phil.	Assistant Professor	Methodology of Teaching Physical Science. Curriculum Development	07	-
Mr.S.Manivannan	M.Sc., M.Ed., M.Phil.	Assistant Professor	Educational Psychology, Science Education	07	-
Ms.R.Vijaya	TTC., Title of Isaimamani.	Assistant Professor	Vocal Music	06	-
Dr.(Ms).K.Praveena	M.L.I.S.,M.Phil,Ph.D.	Assistant Professor	SUPW	06	-
Dr.M.Marimuthu	M.P.E.S.,M.Phil.,Ph.D	Assistant Professor	Football	06	-
Dr.K.Saileela	M.Sc., M.Ed., M.Phil.	Assistant Professor	Methodology of Teaching Mathematics, Value Education	06	-
Dr. (Ms.) N. AmuthaSree	M.Com. M.Ed., M.Phil. Ph.D	Assistant Professor	Commerce Education, Educational Psychology	06	1
Dr.G.Kannan	M.A.,M.Ed., Ph.D	Assistant Professor	Methodology of Teaching Economics	06	3
Mr.A.Selvaraj	M.Sc., M.Ed., M.Phil.	Assistant Professor	Science Education, Curriculum Development	04	-
Mr.V.P.Alexander	M.Sc., M.Ed., M.Phil	Assistant Professor	Science Education, Education in Indian Society	03	-

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:-** Nil

**13. Percentage of classes taken by temporary faculty - programme-wise information**

**14. Programme-wise Student Teacher Ratio :**

B.Ed.	M.Ed.	M.Phil	Ph.D
20:1	12:1	1:1	2:1

### 15. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Actual
Technical Staff	3
Administrative Staff	13

### 16. Research thrust areas recognized by funding agencies

Name of thrust area	Funding / Level
(i) Human Conflict Management	UGC-SAP-DRS-I
(ii) Remedial Teaching in Rural Area	

### 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

Name of the Project	Funding/ Level	Period	Investigators
(i) Human Conflict Management (ii) Remedial Teaching in Rural Area	UGC-SAP-DRS ( 32 lakhs)	2009 - 2014	Department of Education
Grief Healing and Enhancement of Achievement of Bereaved students affected by Natural Disaster in Nagapattinam District of Tamilnadu - A Counselling Programme.	UGC 7.26 lakhs	2008- 2011	Dr.R.Gnanadevan
Training Programme for Teachers of Schools and Colleges of Education on Teaching Practice in Cuddalore District	UGC XIth plan (4 Lakhs)	2010-2012	Department of Education
Identification and Remediation of Rudimentary Learning Achievement of Primary School Children of Cuddalore District.	UGC (5.17 lakhs)	2011-2013	Dr. (Ms). NLNJ. Jayanthi Dr. P. Ganesan
Personality Development Programme for the Students having Social, Emotional and Behaviour Problems, Studying in Adi- Dravidar Welfare Schools	ICSSR (10.00 lakhs)	2013-2015	Dr.R.Gnanadevan Dr.N.Amuthasree Mr.A.Selvaraj
Life Skill Development Programme for the Students with Attention Deficit Disorder in the Coastal Area of Cuddalore and Nagappattinam District of Tamilnadu.	UGC 9.44 Lakhs	2013-2015	Dr.R.Ganadevan Mr.A.Selvaraj

### 18. Inter-institutional collaborative projects and grants received a) India collaboration b) International : Nil

### 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.

Name of the Project	Funding/ Level	Period	Investigators
(i) Human Conflict Management (ii) Remedial Teaching in Rural Area	UGC-SAP-DRS-I (32 lakhs)	2009 - 2014	Department of Education

### 20. Research facility / centre with

- state recognition- Nil
- national recognition - UGC SAP
- international recognition - Nil

### 21. Special research laboratories sponsored by / created by industry or corporate bodies : - Nil

**22. Publications:**

- Number of papers published in peer reviewed journals (national / international) - 225 (Annexure-I)
- Monographs : 5
- Chapters in Books : 10
- Edited Books : Nil
- Books with ISBN with details of publishers : 10
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index - range / average : 24-56
- SNIP : 0.12
- SJR : 0.01
- Impact Factor - range / average : 0-0.32
- h-index : 0-2

**23. Details of patents and income generated : Nil****24. Areas of consultancy and income generated : Nil****25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad : Nil****26. Faculty serving in****a) National committees -**

1. Dr. N.O.Nellaiyapen                      2. Dr.G.Visvanathan    3. Dr.R.Krishnakumar

**b) International committees - Nil****c) Editorial Boards -**

1. Dr. N.O.Nellaiyapen                      2. Dr.G.Visvanathan    3. Dr.R.Krishnakumar  
 4. Dr.Babu                                      5. Dr.B.Minnelkodi    6. Dr.S.Rajasekar  
 7. Dr. Dr.R.Gnanadevan                    8. Dr.G.Raju                      9. PN.Nataraj

**d) any other (please specify)**

Board of selection, Academic Council, Board of studies, Academic bodies

**27. Faculty recharging strategies**

- a. University is conducting inservice training programme / research programmes periodically.
- b. Staff are regularly attending Refresher, Orientation programmes and Workshops conducted by Universities / Academic Staff College.
- c. The University promotes "Faculty Improvement Programme" and "Faculty Exchange Programme" for the benefit of teachers.

**28. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects- 100 %
- percentage of students doing projects in collaboration with other universities / industry / institute -Nil

## 29. Awards / recognitions received at the national and international level by

### ➤ Faculty

Faculty Name	Awards / Honours
Dr. N.O.Nellaiyapen	1. 25 years meritorious service award – AU 2004. 2. Best Researcher award in the Faculty of Education, 2007 – 2008 – AU. 3. One time cash award for producing more than five Ph.D., award AU – 2009 – 2010.
Dr. R. Krishnakumar	Best Teacher Award – 2009-2010
Dr. R. Babu	University Aram Award for Best Teacher-2009-2010
Dr. R. Muthumanickam	Best Researcher Award – 2011
Dr. (Ms). B. Minnelkodi	University Aram Award for Best Teacher – 2010 – 2011
Dr. M. Govindan	Ayyan Thiruvalluvar Award- Best Service for the Rural People-2012

➤ Doctoral / post doctoral fellows - Nil

➤ Students - Nil

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

- International Conference on “Education for Mitigation of Human Conflicts” held on February 18<sup>th</sup> and 19<sup>th</sup> 2010.at Department of Education, Annamalai University.
- National Seminar on “Technology Enabled Teaching” held on 12<sup>th</sup> and 13<sup>th</sup> June 2010 at Department of Education, Annamalai University.
- National Level Workshop on” Curriculum Frame Work And Preparation of Self Instructional Materials for M.Ed. programme (Distance Mode) held on 11<sup>th</sup> and 12<sup>th</sup> November 2010.
- National Level Workshop on” Training Programme for Teachers of Schools And Colleges of Education on Teaching Practice In Cuddalore District” held on 7<sup>th</sup> and 8<sup>th</sup> March 2011.
- National Seminar on” Key Concerns and Issues in Remedial Teaching” held on”21<sup>st</sup> march 2011 at Department of Education, Annamalai University.
- Second International Conference on “Education –A Panacea for Human Conflict Management” held during 24.02.2012 to 26.2.2012 at Department of Education, Annamalai University.
- UGC National Seminar on “Techno Pedagogical Proficiencies-Pleasures and Pressures” held on March 12<sup>th</sup> and 13<sup>th</sup> 2012 at Department of Education, Annamalai University.

## 31. Code of ethics for research followed by the departments

- The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices.
- The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices (GRP).
- Faculty members will not plagiarize in verbal or written communication, and will give full and proper credit to the creativity, ideas, and efforts of colleagues and students. Faculty will not fabricate, falsify, or suppress results, deliberately misrepresent research findings
- The research students pursuing their M.Phil and Ph.D programmes do a course work on Research methodology, in which they are taught all the ethical issues.

**32. Student profile course-wise:**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Ed.	601	149	151	95	97
M.Ed.	250	32	38	94	95
M.Phil.	110	16	05	94	100
Ph.D.	100	13	05	-	-

**33. Diversity of students**

Name of the Course (refer to question no. 4)	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
B.Ed.	15	85	0	Nil
M.Ed.	65	35	0	Nil
M.Phil.	100	0	0	Nil
Ph.D.	80	0	20	Nil
D.Litt.	Nil	Nil	Nil	Nil

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. - Net-03, Set-08**

**35. Student progression**

Student progression	Percentage against enrolled
UG to PG	65
PG to M.Phil.	10.0
PG to Ph.D.	60
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	10.0
• Other than campus recruitment	87.6
Entrepreneurs	

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	60 %
from other universities within the State	37%
from universities from other States	3%
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period :- Ph.D- 8**

**38. Present details of infrastructural facilities with regard to**

- a) Library : Yes
- b) Internet facilities for staff and students : Yes
- c) Total number of class rooms : 15
- d) Class rooms with ICT facility : Yes
- e) Students' laboratories : Yes
- f) Research laboratories : Yes

### 39. List of doctoral, post-doctoral students and Research Associates

a) from the host university : 51

Name	Year	Name	Year	Name	Year
R.Ramachandran	2007	T.Arunbabu	2010	J.Patchivaziamman	2012
P.Ganesan	2008	J.Samvel Gnanamuthu	2010	T.Sivasakthirajammal	2012
P.Vaiyapuriraja	2008	Dr.PL.Ponnalagappan	2011	Ms,S.Kalaivani	2012
V.Nimavathi	2009	P.C.Naga subramani	2011	Mr.A. Tholappan	2012
S.Mannangatty	2009	K.Kaliamoorthy	2011	Ms. M.Muthamizh	2012
K.Rajasekaran	2009	Simon philip	2011	M.Subramanian	2013
T.Sarala	2009	G.Raju	2011	D.P.Saravanan	2013
S.Venkatraman	2009	S.Jaikumar	2011	R.Sembiyan	2013
M.Rajeshkumar	2009	(Mrs) T.S.Vimala	2011	M.Muthamizhselvan	2013
N.L.N. Jayanthi	2009	Rosmin Thomas. N	2011	P.UmaMaheswari	2013
D.Mohana	2009	Ms.N.Amuthasree	2012	Sr. D.Little Flower	2013
P.Ponraj	2009	K.Ratheswari	2012	A.C.Lalkumar	2013
Ms.S.Andal	2010	A.Magalingam	2012	R.Jayakumar	2013
V.G.Soly	2010	V.Sharmila	2012	U.Pandian	2013
M.Suresh kumar	2010	S.Lakshmi	2012	K.Saileela	2013
R.Sivakumar	2010	Dr.M.Govindan	2012	J.Alli	2013
P.J.Thomas	2010	K.Subbarayan	2012	R.Mummoorthy	2013

b) from other universities - Nil

**40. Number of post graduate students getting financial assistance from the university?: - Nil**

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

National Level Workshop on " Curriculum Frame Work And Preparation of Self Instructional Materials for M.Ed. programme (Distance Mode) held on 11<sup>th</sup> and 12<sup>th</sup> November 2010.

**42. Does the department obtain feedback from**

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The progresses of the students are monitored by tests and assignments. Weak students are encouraged to improve their learning skills. All students are given advises and suggestions whenever needed and their problems are properly addressed in time.

b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, if the reports by students are considered and the faculty are advised to adopt a teaching methodology which will about a teacher then he/she is advised to take special efforts to prepare very well for lectures and to monitor the understanding of concepts by the students.

c) alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes, the feedback is obtained from the graduates and employers at periodic intervals, especially during annual meetings. The feedback is used for improvement in curriculum development and syllabus modification. It is helpful for further development of institution so as to improve quality of teaching, research and extension activities.

### 43. List the distinguished alumni of the department (maximum 10)

Name	Designation
Dr.G.Visvanathan	Vice-Chancellor, Tamilnadu Teachers Education University, Chennai.
Dr.T.Padmanaban	Former Vice-Chancellor, Tamilnadu Teachers Education University, Chennai.
Dr. R. Karpagakumaravel	Former Vice-Chancellor, Madurai Kamaraj University, Madurai.
Dr. D. Kumaran	Professor of Education(Retd), Dept. of Education University of Madras, Chennai - 5
Dr. Krishnan	Professor and Head, Dept. of Education, Madurai Kamaraj University, Palkalainagar, Madurai
Dr. KumaraRani Meena Muthiah	Chettinad House, Raja Annamalaipuram, Chennai - 28
K. Munusamy	Statistical Investigator, Director of Statistics, 6th Floor, Erode, Collectorate, Erode-II.
K. Marriappan	Joint Director, Directorate of School, Education, Plot No.2, Magistic Colony, Valasaravakkam, Chennai - 600 087.
Dr. Rajaganesan	Prof. and Head (Ret.), Department of Education, Madras University
Dr. Pugalanthi	Principal, AGRA College of Education, Chozhen Pettai(VIL), ayiladuthurai Taluk, Nagappattinam-609003

### 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- Yoga Training
- Education Association Activities
- ICT
- Trainers Training Programme
- SUPW Activities
- 

### 45. List the teaching methods adopted by the faculty for different programmes.

Lecture Method, Seminar, Group Discussions, Brain Storming, Symposia, Team Teaching, Demonstration, CAI.

### 46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Through continuous internal assessment test and Model Exam.

### 47. Highlight the participation of students and faculty in extension activities.

The faculty delivered special lectures, chaired sessions in seminars, conducted workshops in various colleges of Education in and around Cuddalore district as well as in other parts of Tamilnadu.

### 48. Give details of "beyond syllabus scholarly activities" of the department.

Education Association activities to promote the speaking skills and the soft skills of the students. The students teach the practice of Yoga to the students of various schools in Cuddalore, Villupuram and Nagapattinam districts. They take tutorial classes for the students of schools in the above mentioned districts.

### 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. : - NCTE

### 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The department has taken several steps in imparting the skill and art of teaching to students and it has been monitored by using microteaching methods.



## 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

### Strengths

- The Department trains the teacher trainees to become ethically upright technologically sound and socially sensible.
- Develops the appropriate teaching skills among the students so that the Students get better employment immediately.

### Weakness

- For the present online teaching and virtual class room facilities are not available
- Lesser halls with LCD facility
- Lesser interactions at International levels by conferences

### Opportunities

- The department provides ample scope for the teacher trainees to get employed
- The Department promotes the right values among the students.
- The department conducts coaching classes for the SC/ ST students
- The department provides facilities for the students to develop the yogic practices
- There are ample scope for the students to develop their skill in operating and utilizing electronic teaching gadgets.

### Challenges

- To provide technology-rich class room teaching
- To provide training to all the faculty members in the use of technology
- To provide Wi-Fi facilities in the Department.

## 52. Future plans of the department.

- To link with the students of other countries
- To exchange the faculty with foreign Universities
- To develop E-learning

## DEPARTMENT OF PSYCHOLOGY

1. **Name of the Department :-** Psychology
2. **Year of establishment :-** 1961
3. **Is the Department part of a School/Faculty of the university?:** Yes, Faculty of Education
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc. :** PG, M. Phil, Ph. D, Integrated PG.
5. **Interdisciplinary courses and departments involved :** Yes.
  - Courses: Personality development, Counseling Psychology, Health Psychology
  - Departments: Business Administration, Economics, Rural Development, Population Studies, Sociology, English, Political Science.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil
7. **Details of programmes / courses discontinued, if any, with reasons :** Nil
8. **Annual/ Semester/Choice Based Credit System :**  
Semester/Choice Based Credit System.

9. **Participation of the department in the courses offered by other departments:** Yes  
Theory Classes taken

Course	Department	Semester
Population Psychology	Population Studies	Even Semesters 2007 to 2012
Health Psychology	Population Studies	Even Semesters 2007 to 2012
Psycho-Pedagogy	Music	2007 to 2012 Non semester Programme

10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned *	Actual **
Professor	01	1
Associate Professors	01	---
Asst. Professors	04	6

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

11. **Faculty profile with name, qualification, designation and Specialisation (D.Sc/ D.Litt/ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr.P.Venkatammal	M.A., Ph.D.	Prof &Head.	Community Psychology	30	6
Dr.A.Arunmozhi,	M.A.,M.Phil., Ph.D., B.Ed., PGDGC	Assistant Professor	Counselling Psychology	11	1
Mr.J.M.Asgaralipatel Assistant Professor.	M.A.,Ph.D.	Assistant Professor	Social Gerontology& E-Culture	11	3

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr.K.Govind, Assistant Professor.	M.A.,Ph.D.	Assistant Professor	Counselling Psychology & Decision making	7	1
Dr.S.Suresh, Assistant Professor.	M.Sc.,M.Phil., Ph.D	Assistant Professor	Industrial/Organizational Psychology, School Psychology.	6	2
Ms.S.PadmaSundari Assistant Professor.	M.A.,M.Phil.	Assistant Professor	Adolescence Psychology	4	-
Mr.G.Ramanathan, Assistant Professor.	M.A.,M.Phil.	Assistant Professor	Personality; Environmental Psychology.	3	-

## 12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors

UGC Visiting Fellow - Dr. V. Ganesan, Former Professor and Head, Department of Psychology, Bharathiar University, Coimbatore

## 13. Percentage of classes taken by temporary faculty - programme-wise information - Nil

## 14. Programme-wise Student Teacher Ratio

M.Sc. Applied Psychology (CBCS) - 9:1

M.Sc. Clinical Psychology (Integrated PG) - 8:1

## 15. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Actual
Technical Staff	01
Administrative	04

## 16. Research thrust areas recognized by funding agencies

Thrust areas	Funding Agencies
Work-family Conflict ; Stalking Behaviour	UGC and ICSSR
School Bullying ; Cyberstalking	UGC and ICSSR

## 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

National Ongoing Projects:

1. Ugc:3,17,900/- – 2. ICSSR:5,41,800/- – 3. UGC: 4,20,200/- – 4. ICSSR: 6,26,725/-

## 18. Inter-institutional collaborative projects and grants received - Nil

a) All India collaboration b) International

## 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. - Nil

## 20. Research facility / centre with

- state recognition
- national recognition
- international recognition

## 21. Special research laboratories sponsored by / created by industry or corporate bodies - Nil

## 22. Publications

- Number of papers published in peer reviewed journals (national/ international) - (Annexure - I)
- Monographs - Nil
- Chapters in Books - 1

S.No.	Name of the Scholar	TITLE	PUBLICATION
1	Dr. P.Venkatammal Professor & Head	Value Education, Personality Development and Soft skills. (Co-author)	Vijay Nicole Pvt. Ltd., Chennai 2012.

- Edited Books - Nil
- Books with ISBN with details of publishers-1 (Tamilnadu State Council For Higher Education)

S.No.	Name of the Scholar	TITLE	PUBLICATION
1	Dr. P.Venkatammal Professor & Head	Pothu Ulaviayal	Tamil Nadu State Higher Education Council, (TANSHEC) Chennai 2012

- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) - Nil
- Citation Index - range / average - Nil
- SNIP - Nil
- SJR - Nil
- Impact Factor - range / average - Nil
- h-index - Nil

## 23. Details of patents and income generated - Nil

## 24. Areas of consultancy and income generated - Nil

## 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad - Nil

## 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify) - Yes

Dr. P.Venkatammal

- Doctoral Committee - Periyar University, Salem, Tamilnadu
- Selection Committee - Periyar University, Salem, Tamilnadu
- Selection Committee - Bharithyar University, Coimbatore
- Selection Committee Member - Avinashilingam University, Coimbatore.

## 27. Faculty recharging strategies

The teachers of the Department have been actively involved as participates and Resource persons of Refresher Course, Orientations course, FDP and other programmes.

## 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects - 25%
- percentage of students doing projects in collaboration with other universities / industry / institute - 75%

### 29. Awards / recognitions received at the national and international level by

- Faculty - Nil
- Doctoral / post doctoral fellows - Nil
- Students - Nil

### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Year	Topic	Funding Agency	Date	Participants
2007-2008	Psycho diagnostics and Psychotherapeutics	UGC	28th & 29 Feb. 1st March 2008	In Station =29 Out Station = 22
2008-2009	Current Issues in Practicing Psychology Sponsored by	TANSICHE	20th & 21th October 2008	In Station =89 Out Station =05
2008-2009	Identification & Management of Childhood disorders	UGC	23th&24th Feb. 2009	In Station =139 Out Station = 70
2009-2010	Neuro Psychological Assessment & Rehabilitation	UGC	12th&13th Feb. 2010	In Station =99 Out Station = 51
2010-2011	Counselling Skills	UGC	24th&25th Feb. 2011	In Station =114 Out Station = 54
2011-2012	Modern Perspective in Psychology for healthy life	UGC	2nd&3rd March 2012	In Station =89 Out Station = 21

### 31. Code of ethics for research followed by the departments -

Ethical Guidelines of American Psychology Association is followed

### 32. Student profile Programme-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
PG	12	6	3	100%	100%
M.Phil.	8	5	1	100%	100%
Ph.D	7	3	3	NIL	
PG (Integrated)	14	3	9	50%	90%

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
PG	50%	50%	---	---
M.Phil	86%	14%	---	---
Ph.D	80%	20%	---	---

### 34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. :- NET - 3.

Name of the Candidate	Category	Year	Examination
S. Amritha	OC	June 2008	UGC- NET
V.Vithya	SC	June 2009	UGC- NET
Mamman Joseph	OC	December 2010	UGC- NET

### 35. Student progression

Student progression 2009 - 2010	Percentage against enrolled M.Sc. Applied Psychology.	Percentage against enrolled M.Sc. Clinical Psychology.
UG to PG	---	---
PG to M.Phil.	18.75%	41.66%
PG to Ph.D.	---	---
Ph.D. to Post-Doctoral	---	---
Employed		
• Campus selection		
• Other than campus recruitment	31.25%	33.33%
Entrepreneurs	20%	20%

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	5
from other universities within the State	2
from universities from other States	--
from universities outside the country	--

### 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period

Sl.No.	Name	Degree Award	Year of Award
1	J.M. Asgarali Patel	Ph.D.	01.07.2008
2	A.Arunmozhi	Ph.D.	23.03.2010
3	S. Suresh	Ph.D.	14.12.2009

### 38. Present details of infrastructural facilities with regard to

- Library - Library With Collection Of 1500 Books & 250 Journal Back Volumes
- Internet facilities for staff and students -- For Staff 3 Internet Points ; For Students 1 Internet Point
- Total number of class rooms -- 6
- Class rooms with ICT facility - 1
- Students' laboratories -- 1
- Research laboratories - 2

### 39. List of doctoral, post-doctoral students and Research Associates

#### Doctoral Students

Full Time : Host University

- A.P. Devaraja

Other Universities

- R.R. Dhakshayani
- S.D.Fathima Banu
- Shameer
- V. Sunil Kumar
- R.Sembiyan
- G. Sajeeth kumar

- A. Mariyammal

- G. Sajeethkumar

- S. Nimina

External : Host University

- E.Ruby Violet Rani

Other Universities

Research Associates: Host University

- S.Kalaiivanan

- R.Rajesh

#### 40. Number of post graduate students getting financial assistance from the University?

- Ramasamy Paddachiyar Endowment Scholarship for **2 candidates** every year from 2007 to 2012
- Tamilnadu Government SC/ST Scholarship for **14 SC/ST students** were awarded from 2007 to 2012

#### 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. - Nil

#### 42. Does the department obtain feedback from

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Suggestions given by stake holders well taken and followed by the teachers.

b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Teachers are given instructions according to the opinion expressed by the students.

c) alumni and employers on the programmes offered and how does the department utilize the feedback?

Syllabus are revised based on feedback

#### 43. List the distinguished alumni of the department (maximum 10)

List of Alumnus
Dr.V.Ganesan, Former Professor & Head, Bharathiyar University, Coimbatore
Dr.Elango, Head of the Department, PSG Arts & Science College, Coimbatore
Mr.Balakrishnan, Member of Legislative Assembly, Chidambaram Constituency, Chennai. Tamilnadu
Dr.I.Ratchagar, Secretary, Principal, St.Joseph Arts & Science College, Cuddalore.
Dr.Anatharaman, Faculty of Business and Law, Multimedia University, Jalan Ayer Keroh Lama, 75450 Bukit Baru, Malaysia
Dr. Panch. Ramalingam, Asso. Prof., Academic Staff college, Pondicherry Central University, Puducherry
Dr.B.S.Virudhagirinathan, Clinical Neuro Psychologist & CARE Institute of Behavioural Sciences, Nungambakkam, Chennai
Ms.P.Kaliammal, Programme Development Monitoring and Evaluation Officer/D.D. Admin i/c., Social Defence, Kellys, Chennai-10.
Ms.R.Kannamma, Clinical Psychologist, Southern Railway Head Quarters Hospital, Chennai
T.L.Rajendran, Assistant Manager, Indian Bank, Egmore Branch, Chennai

#### 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Special Guest Lecturers Delivered by Visiting Fellow- 2007 to 2012

Date	Name of the Speaker	Special Lecture Topic
28-08-2007	Dr. V. Ganesan, Former Professor and Head, Department of Psychology, Bharathiar University, Coimbatore	'Behaviour Technology'
12-10-2007	Dr. V.S.R. Vijayakumar, Associate Dean, Corporate Training, Chennai	'Working Smart Skills' and '
12-10-2007	Dr. K.N. Viswanath, Research and Development Training, Everon Systems, Chennai	Perspectives on Psychological Case-analysis'
12-10-2007.	Dr. S. Viswanathan, Director, Centre for Yoga Studies, Annamalai University,	'Yoga and Meditation to develop Integrated Personality''

Date	Name of the Speaker	Special Lecture Topic
22-10-2007.	Dr. M.S.K. Muhaiyuddin, Clinical Psychologist, Coimbatore	"Scope of Psychology in the Present World"
23-10-2007	Mr. S. Ravichandran, Management Trainer, Chidambaram,	"Relevance of Personality to Job Market."
24-07-2007 and 31-07-2007	Ms. G. Srividya, Occupation Therapist, RMMCH, Annamalai University,	"Childhood disorders" and "Learning Disabilities."
27-03-2008	The students of Physiotherapy, Annamalai University	"Behavioural Medicine."
26-03-2008	Dr. V. Ganesan, visiting Professor, department of Psychology	1.'Stress Management Strategies' 2."home-management.' - he addressed the parents of handicapped children on G.V. School for Handicapped, Chidambaram
30.03.2009	Dr. V. Ganesan, former Professor and Head, Department of Psychology, Bharathiar University, Coimbatore,	1.Taking control of your life 2. Self Defiance techniques to NSS students 3. Path from sadness to happiness.
31.03.2009		1.Leadership Development. 2.Application of behaviour technology in Clinic. 3.Application of behaviour technology in organizations.
01.04.2009		1.Application of behaviour technology in community. 2.Obsessive Compulsive Disorder.
02.04.2009		1.Personality Disorder 2.Discussion about syllabus.
19.02.2010	Dr.S. Thirunavukkarasu RMMCH, A.U.	Neuro Psychological Function of MRI
29.03.2010	Dr. Havalappanavar Professor (Rtd.) Karnataka University	Sleep Management
12.03.2010	Dr. S.Raju, Associate Prof. University of Kerala	Work Motivation
10.01. 2011	Dr. R. Balakrishnan, Professor and Head (Retd.) Department of Psychology, PSG College of Arts and Science, Coimbatore	"Mental Health Challenges"
03.02. 2011	Dr. A.Venugopal, Research Associate, Neurolinguistic, University College of London	"Emotional Intelligence: Mind in the context of brain"
12.10. 2011	Dr. Valsa Augustine Psychologist, Schiefelin Institute of Health -- Research and Leprosy Center, Vellore	"Counselling and Health Psychology"
31.01. 2012.	Prof.Boruslav Slavchov, Psychologist, South-West University, Bulgaria.	"Self-Determined Career Counselling"
19.03. 2012.	Mr.S.Muthuezhilan CEO,4 MVPS, USA.	"The role of ICT in life style changes
02.04.2012	Dr. Sibnath Deb, Prof. & Head, Department of Psychology, Central University Pudhucherry	Status of Children in India

#### 45. List the teaching methods adopted by the faculty for different programmes.

- Chalk and talk method, OHP, power point presentation and group Discussion, Lecture method, Seminar, Praticals.

#### 46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- By conducting tests and getting feedback from stake holders.

#### 47. Highlight the participation of students and faculty in extension activities.

- By participating in extension activities both students and faculty well aware about the problems faced by the people in rural areas.



#### 48. Give details of “beyond syllabus scholarly activities” of the department.

- Students are encouraged to present papers in seminars and conferences in Local and outstations .
- Students are attending training programmes during semester holidays in leading Clinics/Hospitals.

#### 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. :- Nil

#### 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Department is organizing workshops to help the students to update their knowledge and skills.
- Students are posted in the department counseling centre to learn counseling skills.
- Students are posted in the outpatient urban centre at Chidambaram to facilitate the Doctors to diagnose the patients and to give appropriate intervention techniques

#### 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

##### Strengths:

- Students Counseling Center: Students Counseling center functioning in the department of Psychology from 10 a.m. to 5 p.m. on all working days.
- Well equipped laboratory & Library with collection of 1500 books utilized by scholars from education, physical education, yoga, management, linguistics, physiotherapy, and nursing.
- Institutional Training and Study Tour for final year students
- Out Patient Case Assessment in RMMCH & Extension activity - Community Visit and guidance.
- Urban Health Centre Case Assessment by students.

##### Weaknesses:

- University is located in the rural area.
- Attract the students for the course.

##### Opportunities

- Effectively train the students on counseling
- Give hands on experience on Applied Psychology
- Imbibe institutional social responsibility
- Executive service to the community

##### Challenges

- Awareness about Psychology subject is very poor among rural population.
- Rural people are hesitating to opt the subject.
- Rural people are also hesitating to come for counseling.

#### 52. Future plans of the department.

- To strengthen the counseling centre in order to help the needy people for the following problems
- Family problems due to alcohol addiction, Premarital counseling.
- IQ Assessment and screening in schools, Identification of childhood disorders.
- Helping the staff, students and others by using Stress management techniques,
- Anger management techniques, Emotional management techniques, problem related with abuse of mobiles and internet, Child abuse and plans related with Suicidal prevention.

## DEPARTMENT OF PHYSICAL EDUCATION AND SPORTS SCIENCE

**1. Name of the Department :** - Physical Education and Sports Sciences

**2. Year of establishment :** - 1929

**3. Is the Department part of a School/Faculty of the university?** Yes, Faculty of Education

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

Dip. in Gym Instructor, P.G. Dip. in Gym Instructor, Bachelor of Physical Education (B.P.E.), Bachelor of Physical Education (B.P.Ed.), Master of Physical Education (M.P.Ed.), M.Phil. in Physical Education, Ph.D. in Physical Education (Regular, Part Time and External)

**5. Interdisciplinary courses and departments involved: Yes [Elective]**

Courses: - History, Principles and Foundations of Physical Education  
Theory and Practice of Cricket and Tennis  
Health Education, Safety Education and First Aid  
Theory and Practice of Volleyball and Kabaddi

Departments involved:- Tamil; Psychology; Population Studies; Political Science;  
Library & Information Science; Sociology; Business Administration

**6. Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil

**7. Details of programmes / courses discontinued, if any, with reasons :** Nil

**8. Annual/ Semester/Choice Based Credit System**

- Non-semester system for D.P.Ed. Program,
- Non-Semester system for Diploma in Gym Instructor
- Non-Semester system for P.G. Diploma in Gym Instructor
- Semester System for B.P.E. and B.P.Ed. Programs
- CBCS system for the M.P.Ed. Program.
- CBCS System for M.Phil. Program
- Ph.D Semester System

**9. Participation of the department in the courses offered by other departments:**

Tamil; Psychology; Population Studies; Political Science;  
Library & Information Science; Sociology; Philosophy

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned *	Actual **
Professor	01	09
Associate Professors	03	08
Asst. Professors	12	89

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

### 11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Staff Name	Designation	Qualification	Specialization
Dr. G. Ravindran Dean, Faculty of Education	Prof. & Head	B.Sc., B.P.Ed., M.P.E., NIS Dip (Hockey), Ph.D., M.Sc (Yoga)	Exercise Physiology, Research & Statistics
Dr. V. Jayanthi	Professor	M.P.Ed., NSNIS Cert. (Basketball), Ph.D.	Sports Sociology
Dr. P. Kanagasabai	Professor	M.A., M.P.Ed., M.Phil., Ph.D., NIS Cert. (Hockey)	Training Methods
Dr. R.L. Sudhan Paul Raj	Professor	B.Sc., M.P.Ed., M.Phil., NSNIS Cert (Cricket), Ph.D.	Exercise Physiology
Dr. R. Gopinath	Professor	B.A., M.P.E.S., M.Phil., NIS Cert. (Tennis), Ph.D.,	Sports Psychology
Dr. V. Selvam	Professor	M.A. M.P.Ed., M.Phil., NIS Dip. (Basketball), Ph.D.PGDY.,	Exercise Physiology
Dr. S. Senthilvelan	Professor (on other duty as Dy. Controller of Examinations)	M.Com., MPES, Ph.D.	Measurement & Evaluation
Dr. V. Gopinath	Professor	B.Sc., M.P.E.S., M.Phil., NIS Cert.(Tennis). PGDY. M.Sc (Yoga), MBA, PGDFM, Ph.D.,	Exercise Physiology, Statistics
Dr. M. Rajashekar	Professor	B.A., M.P.Ed.,NIS Dip. (Football), PGDY, M.Sc (Yoga) Ph.D.,	Training Methods
Dr. A. Subramanian	Asso. Professor	B.A., M.P.E.S.,M.Phil., Ph.D.,PGDY.,	Sports Management
Dr. K.V. Balamurugan	Asso. Professor	M.P.E.S.,M.Phil.,Ph.D. PGDY, NIS, Cert. (Tennis).	Exercise - Disease Mgt.
Dr. M.A. Hassan	Asso. Professor	M.P.Ed.,M.Phil., Ph.D.	Kinesiology
Dr. K. Sivakumar	Asso. Professor	M.P.E.S., M.Phil., Ph.D	Measurement Evaluation
Dr. N. Premkumar	Asso. Professor	B.Sc., M.P.E.S., M.Phil., NIS Dip (Basketball), Ph.D., M.Sc (Yoga), PGDY, PDFM	Physiology
Dr. S. Chidambara Raja	Asso. Professor	B.A., M.P.E.S., M.Phil., Ph.D., PGDY	Sports Psychology
Dr. K. Sreedhar	Asso. Professor	B.Sc., M.P.Ed., M.Phil., Ph.D. PGDY	Exercise Physiology
Dr. S. Ponson	Asst. Professor	B.Sc., M.P.E.S., M.Phil., Ph.D	Bio-Mechanics
Dr. P. Karthikeyan	Asst. Professor	B.Sc., M.P.Ed., M.Phil., Ph.D M.Sc (Yoga)	Research & Statistics
Dr. M. Kalimuthu	Asst. Professor	M.A., M.P.E.S. M.Phil., Ph.D.,	Training Methods
Dr R. Muthueleckuvan	Asst. Professor	B.Sc., M.P.Ed., M.Phil.,Ph.D.,NIS Cert (Volleyball),CYEd	Sports Management
Dr. Y. Wise Blessed Singh	Asst. Professor	B.Sc.,M.P.Ed.,M.Phil.,Ph.D.,NIS Cert (Athletics)	Organization & Methods
Dr. B. Chittibabu	Asst. Professor	M.P.E.. M.Phil., Ph.D.,	Sports Medicine
Dr. Bupesh S. Moorthy	Asst. Professor	B.A., M.P.E.S.,M.Phil., Ph.D.,	Bio-Mechanics
Dr. M.Elamaran	Asst. Professor	B.Com., M.P.E.S., M.Phil., Ph.D.,	Exercise Physiology
Dr. R. Senthilnathan	Asst. Professor	M.P.E.S., M.Phil.,Ph.D.,PGDY.,	Health Education
Dr. K. Sekar Babu	Asst. Professor	M.P.E.S., M.Phil., Ph.D., PGDY.,	Sports Sociology
Dr. R. Chinnaiyan	Asst. Professor	M.P.E.S., M.Phil.,Ph.D.,	Exercise Rehabilitation
Dr. G. Kumaran	Asst. Professor	M.P.E.S., M.Phil.,Ph.D., PGDY.,	Sports Sociology
Dr. P. Kulothungan	Asst. Professor	M.P.E.S., M.Phil.,Ph.D.	Statistics

Staff Name	Designation	Qualification	Specialization
Dr. S. Alagesan	Asst. Professor	M.P.E.S., M.Phil., Ph.D	Bio-mechanics
Dr. S. Arul	Asst. Professor	B.P.E.S., M.P.E.S., Ph.D M.Sc (Yoga)	Physiology
Dr. J. Muthusubramanian	Asst. Professor	B.A., M.P.E.S., M.Phil., Ph.D., NIS Cert (Athletics) PGDY.,	Training Methods
Dr. M. Ponnulingam	Asst. Professor	B.Sc., M.P.Ed., M.Phil, Ph.D.,	Kinesiology
Dr. S. Veeramani	Asst. Professor	M.P.Ed., M.Phil PGDY., Ph.D.,	Physiology
Dr. K. Rajendran	Asst. Professor	B.Sc., B.P.Ed., M.P.Ed, M.Phil, Ph.D., CFC(Gym),	Training Methods
Dr. S. Manikandan	Asst. Professor	B.P.E.S., M.P.Ed, M.Phil, Ph.D., PGDY, M.Sc (Yoga) NIS Cert. (HB) PGDCA.,	Test & Measurement
Dr. P. Anandhan	Asst. Professor	B.Sc., M.P.Ed., M.Phil., PGDY.,	Teaching Methodology
Dr. P. Mahendiran	Asst. Professor	B.P.E.S., M.P.Ed, M.Phil., P.G.D.Y, C.L.I.S., M.Sc (Yoga) NIS Cert. (Kabadi) NET	Anatomy Physiology
Dr. G. Santhoshkumar	Asst. Professor	B.P.E.S., B.P.Ed., M.P.Ed, P.G.D.Y, M.Phil., M.Sc (Yoga) Ph.D.,	Measurement Evaluation
Dr. S. Chitra	Asst. Professor	B.A., B.P.Ed., M.P.Ed, M.Phil., Ph.D., P.G.D.Y, NIS Cert. (Kabadi)	Exercise Physiology
Ms. T. Banupriya	Asst. Professor	B.A., B.P.ED., M.P.E.S., M.Phil.,	Training Methods
Mr. P. Sasikumar	Asst. Professor	B.P.E.S., M.P.E.S.,	Sports Sociology
Dr. Aranga Panbilnathan	Asst. Professor	B.A.C.S, B.P.Ed., M.P.E.S., P.G.D.Y, M.Phil.,	Sports Psychology
Dr. R. Saravanan	Asst. Professor	B.P.E.S., M.P.E.S., M.Phil., Ph.D.,	Training Methods
Dr. K. Palanisamy	Asst. Professor	M.P.Ed., M.Phil., Ph.D.,	Training Methods
Dr. A. Neethi	Asst. Professor	B.P.E.S., M.P.E.S., M.Phil.,	History of Sports Sci.
Dr. M. Rajavelu	Asst. Professor	M.P.E.S., M.Phil., P.G.D.Y., M.Sc (Yoga) Ph.D.,	Training Methods
Dr. G. Gokulkrishnan	Asst. Professor	M.P.E.S., M.Phil.,	Measurement Evaluation
Dr. M. Sankar	Asst. Professor	M.P.E.S., M.Phil., Ph.D.,	Exercise Physiology
Dr. M. Muralikrishna	Asst. Professor	M.P.E.S., M.Phil., PGDY., Ph.D.,	Training Methods
Dr. T. Narayanasamy	Asst. Professor	M.P.Ed., M.Phil., Ph.D.,	Training Methods
Dr. R. Vidhyasree	Asst. Professor	M.P.E.S., M.Phil., Ph.D., PGDY., M.Sc. (Yoga)	Sports Management
Dr. R. Sevi	Asst. Professor	M.P.Ed., M.Phil., Ph.D.,	Training Methods
Dr. G. Ramesh	Asst. Professor	M.P.E.S., M.Phil.,	Sports Sociology
Dr. B. Ashok Kumar	Asst. Professor	B.Sc., M.P.Ed., M.Phil., , Ph.D.,	Training Methods
Dr. T. Prabakaran	Asst. Professor	M.P.E.S., M.Phil., PGDY.,	Training Methods
Dr. G. Rajamohan	Asst. Professor	M.P.Ed., M.Phil., PGDY., Ph.D.,	Training Methods
Dr. D. Suresh Kumar	Asst. Professor	M.P.Ed., M.Phil., Ph.D.,	Measurement Evaluation
Mr. P. Sivaraman	Asst. Professor	M.P.Ed., M.Phil., , PGDY.,	Physiology
Mr. K. Anbarasan	Asst. Professor	M.P.E.S., M.Phil., ,	Exercise Therapy
Mr. K. Bhuvanendhiran	Asst. Professor	B.P.E.S., B.P.Ed., M.P.Ed., M.Phil., PGDY.,	Adventures Sports
Dr. P. Mohan Antharias	Asst. Professor	B.Com., M.P.E.S., M.Phil., Ph.D.,	Training Methods.
Dr. B. Parthiban	Asst. Professor	B.Sc., M.P.Ed., M.Phil.,	Training Methods
Dr. K. Krishnasamy	Asst. Professor	B.Sc., M.P.E.S., PGDY, M.Phil., M.Sc. (Yoga), Ph.D.,	Training Methods
Dr. A. Karthik	Asst. Professor	M.P.Ed., M.Phil.,	Training Methods

Staff Name	Designation	Qualification	Specialization
Dr. B. Ramkumar	Asst. Professor	M.P.E.S., M.Phil. Ph.D., PGDY.,	Training Methods
Dr. A. Anbanandan	Asst. Professor	M.P.E.S., M.Phil., Ph.D., PGDY., NIS Cert. (Judo)	Sports Anthropology
Dr. George Abraham	Asst. Professor	M.A., M.P.E.S, M.Phil., Ph.D.,	Training Methods
Dr. D. Devaki	Asst. Professor	B.Sc., M.P.Ed., M.Phil., Ph.D.,	Sports Mgt.
Dr. S. Vijay	Asst. Professor	M.P.Ed., M.Phil.,	Education Technology
Dr. A. Sabirabi	Asst. Professor	B.P.E.S., M.P.Ed., M.Phil.,	Training Methods
Dr. S. Chandrasekaran	Asst. Professor	B.P.E.S., M.P.E.S., M.Phil., PGDY	Sports Anthropology
Dr. J. Saravanan	Asst. Professor	B.Sc., B.P.Ed., M.P.Ed., M.Phil., NIS Cert. (Badminton), Ph.D.	Training Methods
Dr. R. Karthikeyan	Asst. Professor	B.P.E.S., M.P.Ed., M.Phil., PGDY, Ph.D.	Sports Anthropology
Dr. S. Umanath	Asst. Professor	B.P.E.S., M.P.E.S., M.Phil., Ph.D.,	Training Methods
Dr. A. Subradeepan	Asst. Professor	B.A., M.P.Ed., M.Phil., NIS Dip. (Kabaddi) Ph.D.,	Training Methods
Dr. R. Rajaram	Asst. Professor	B.A., B.P.Ed., M.P.E.d., M.Phil., NIS Cert. (Athletics) Ph.D.,	Sports Psychology
Dr. D. Selvam	Asst. Professor	B.P.E.S., M.P.E.S., M.Phil., Ph.D.,	Training Methods
Dr. A.G. Venkatesan	Asst. Professor	B.P.E.S., M.P.E.S., M.Phil. Ph.D.,	Training Methods
Dr. R. Subramanian	Asst. Professor	B.P.E.S., M.P.E.S., M.Phil., NIS Dip. (Kabaddi)	Sports Anthropology
Dr. S. Newton	Asst. Professor	B.Com., B.PEd., M.P.Ed., M.Phil., NIS Dip. (Football)	Training Methods
Dr. A. Chandramohan	Asst. Professor	B.P.E.S., M.P.E.S., M.Phil.,	Sports Anthropology
Mr. C. Thillaigovindan	Asst. Professor	B.P.Ed., M.P.Ed., M.Phil.,	Sports Anthropology
Dr. M. Velmurugan	Asst. Professor	B.P.E.S., M.P.Ed., M.Phil.,	Sports Sociology
Dr. S. Rathinakamalan	Asst. Professor	B.A., B.P.Ed., M.P.Ed., M.Phil., NIS Cert. (Football)	Sports Sociology
Dr. A. Karthikeyan	Asst. Professor	B.Sc., B.P.Ed., M.P.Ed., M.Phil., P.G.D.Yoga., P.G.D.Tennis.,	Exercise Therapy
Dr. G. Swaminathan	Asst. Professor	B.P.E.S., M.P.Ed., M.Phil., Ph.D.,	Sports Management
Dr. P. Sivakumar	Asst. Professor	B.P.E.S., M.P.E.S., M.Phil.,	Sports Anthropology
Dr. R. Ahilan	Asst. Professor	B.P.E.S., M.P.Ed., M.Phil., PGDY	Training Methods
Mr. W. Vinu	Asst. Professor	B.A., B.P.Ed., M.P.Ed., M.Phil.,	Training Methods
Dr. N. Akilan	Asst. Professor	B.Sc., M.P.E.S., M.Phil.,	Exercise Physiology
Mr. P. Robert Clive	Asst. Professor	M.P.E.d., M.Phil.,	Training Methods
Dr. J. Jebastin Jacob	Asst. Professor	B.A., M.A., M.P.Ed., M.Phil.,	Training Methods
Dr. V. Chandrasekar	Asst. Professor	M.P.Ed., M.Phil. PGDY.,	Sports Management
Mr. G. Kolanji	Asst. Professor	M.P.E.S., M.Phil.	Training Methods
Dr. M. Muthuraj	Asst. Professor	M.P.Ed., M.Phil.	Sports Management
Mr. R. Arockia Raj	Asst. Professor	M.P.Ed., M.Phil. PGDY	Training Methods
Mr. P. Senthil	Asst. Professor	M.P.Ed., M.Phil.	Exercise Physiology
Mr. R. Barathi Raj	Asst. Professor	M.P.E.d., M.Phil.	Sports Management
Mr. G. Kumarasamy	Asst. Professor	M.P.Ed., M.Phil.	Training Methods
Mr. C. Arul Raj	Asst. Professor	B.A., B.P.Ed., M.P.Ed., M.Phil.	Sports Management
Dr. Augustine Gnanaraj	Asst. Professor	B.Sc., M.P.Ed., M.Phil.	Sports Anthropology
Mr. B. Thirunavukarasu	Asst. Professor	M.P.Ed., M.Phil.	Sports Management
Dr. C. Murugesan	Asst. Professor	M.P.E.S., M.Phil	Sports Management
Mr. P. Kannadasan	Asst. Professor	M.P.E.S., M.Phil.	Sports Anthropology
Mr. C. Saravana Gandhi	Asst. Professor	M.P.E.S., M.Phil. PGDY.,	Sports Anthropology
Mr. R. Lakshmi Krishnan	Asst. Professor	M.P.E.S., M.Phil. PGDY.,	Sports Anthropology
Mr. P. Balaji	Reader	BPT., MPT	Sports Physiotherapy

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:** Nil

**13. Percentage of classes taken by temporary faculty-Programme-wise information:** Nil

**14. Programme-wise Student Teacher Ratio:-**

U.G.: - 15:1; P.G.: -12:1; M.Phil.: - 1:1; Ph.D.: 1:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Actual
Programmer	22
Office Staff	15

**16. Research thrust areas recognized by funding agencies**

Name of thrust area	Funding/ Level
Fitness for University Urban, Rural, Youth and Special Population [Completed]	UGC-SAP-DRS-I
Mass Fitness Development Programme	UGC-SAP-DRS-II

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Name of the Project	Funding/ Level	Period	Investigators
SAP (DRS) Level - I, Project [Completed]	31.0 Lakhs UGC	01-04-2007 to 31-03-2012	Principal Investigator Dr. G. Ravindaran, Co-investigator Dr. V. Gopinath
SAP (DRS) Level - II, Project	50.0 Lakhs UGC	01-04-2013 to 31-03-2018	Principal Investigator Dr. G. Ravindaran, Co-investigator Dr. V. Gopinath
Minor Research Project in Humanities and Social Sciences to University teachers	64,000/-UGC	01-02-2011 to 31-07-2012	Mr. M. Muthuraj, Assistant Professor
Minor Research Project in Humanities and Social Sciences to University teachers	62,000/-UGC	01-02-2011 to 31-07-2012	Mr. G. Kumarasamy, Assistant Professor

**18. Inter-institutional collaborative projects and grants received a) All India collaboration b) International : Nil**

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.**

Name of the Project	Funding/ Level	Period	Investigators
SAP (DRS) Level I, Project	31.0 Lakhs UGC	01-04-2007 to 31-03-2012	Principal Investigator: Dr. G. Ravindaran, Co-investigator: Dr. V. Gopinath
SAP (DRS) Level II, Project	50.0 Lakhs UGC	01-04-2013 to 31-03-2018	Principal Investigator: Dr. G. Ravindaran, Co-investigator: Dr. V. Gopinath

**20. Research facility/ centre with**

- State recognition- Nil
- National recognition - UGC
- International recognition - Nil

**21. Special research laboratories sponsored by / created by industry or corporate bodies : - Nil**

**22. Publications:**

- Number of papers published in peer reviewed journals (National / International) - 158 (Annexure- I)
- Monographs: 05
- Chapters in Books- 12
- Edited Books : Nil
- Books with ISBN with details of publishers: 05
- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index - range / average :45
- SNIP :0-1.2
- SJR :0-0.01
- Impact Factor - range / average : 0.3
- h-index : 0-4

**23. Details of patents and income generated : Nil****24. Areas of consultancy and income generated: Nil****25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad : Nil****26. Faculty serving in**

## a) National committees – 3

NAAC – Dr. K. Vaithianathan, Dr. G. Ravindran

NCTE – Dr. K. Vaithianathan

## b) International committees - Nil

## c) Editorial Boards -7

Dr. K. Vaithianathan, Dr. G. Ravindran, Dr. V. Gopinath,

Dr. M. Rajashekar, Dr. K. Shreedhar, Dr. P. Karthikeyan, Dr. B. Chittibabu

## d) any other (please specify)

Faculty members served in the following bodies:-

Syndicate, Senate, Academic Council, Faculty Member, Board of Selection, Board of Studies, SET[TN], SET[AP] & SET[KA].

**27. Faculty recharging strategies -**

Staff members are permitted to attend Orientation and Refresher courses periodically. They are also allowed to participate in National and International level Conferences / Workshops / Seminars to update their knowledge in their respective areas of research.

**28. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects- M.P.Ed – 15%
- percentage of students doing projects in collaboration with other universities / industry / institute – Nil

## 29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows

Faculty Name	Awards / Honours
Dr. G. Kumaran	Post Doctoral Fellowship - 2010

- Students

Student Name	Awards / Honours
Miss. Parameswari	Rajiv Gandhi Fellow Ship Award
Ms. Elavarasi	Rajiv Gandhi Fellow Ship Award
Miss. Sudha	Rajiv Gandhi Fellow Ship Award

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

### Seminars

The following seminars have been organized by the Department of Physical Education since 2007 to till date.

- U.G.C. Sponsored National Level seminar on Contribution of Scientific Findings of Allied Subjects for the Promotion of Physical Education and Competitive Sports on 10<sup>th</sup> and 11<sup>th</sup> March 2008.
- UGC Sponsored National Seminar on Challenges in Promoting Fitness and Sports Competition for Different Levels of Achievements on 20<sup>th</sup> and 21<sup>st</sup> March, 2009.
- UGC Sponsored National Seminar on Fitness for Urban & Rural Youth and for Special Population on 16<sup>th</sup> and 17<sup>th</sup> Dec, 2009
- UGC Sponsored National Seminar on Training Prescription and Functional Response on Different Population on 28<sup>th</sup> and 29<sup>th</sup> March, 2011.

### Workshops

The following workshops have been organized by the Department of Physical Education since 2007 to till date.

- Organized a **National Workshop on Sports Medicine** on 29<sup>th</sup> January 2007.
- The department organized U.G.C sponsored national workshop on **Computerized Statistical Application in Physical Education and Sports Research** from 3<sup>rd</sup> to 5<sup>th</sup> March 2007.
- Organized UGC (SAP) sponsored National Workshop on Interdisciplinary Approach to an Evaluation of Human Performance on 30<sup>th</sup> and 31<sup>st</sup> March 2008.
- Organized one day International Workshop on **Performance Analysis in Football** on 12-3-2009.
- Organized a National Workshop on "Computer Assisted Statistical Application for Different Experimental Designs" on 28<sup>th</sup> & 29<sup>th</sup> March 2012.

### Organization of Inter University Tournaments:

The following Inter University Tournaments have been organized by the Department of Physical Education and Sports Sciences since 2007.

Year	Tournament Organized
Feb - 2007	All India Inter University Tennis (Women) Tournament
13th - 17th Jan 2008	68th All India Inter University Athletic Championship
19th Jan - 1st Feb 2008	South Zone and All India Inter University Football Tournament for Men (19 - 26 SZ, 28 - 1st Feb IZ)



Year	Tournament Organized
1st - 6th October 2008	South Zone Inter University Hockey Tournament for Men
20th - 29th Dec. 2009	South Zone and All India Inter University Kho-Kho Tournament for Women (20th - 24th SWZ, 27th - 29th Dec IZ)
04th - 08th Jan. 2010	South Zone Inter University Tennis Tournament for Men
15th - 26th Feb. 2011	South Zone and All India Inter University Basketball Tournament for men (15th - 20th SZ, 22nd - 26th IZ)
01st - 12th Feb. 2012	South Zone and All India Inter University Football Tournament for Women (01st - 05th SZ, 07th - 12th IZ)
06th - 13th Oct. 2012	South Zone Inter University Football Tournament for Men (06th -13th SZ)
07th - 11th Nov. 2012	South Zone Inter University Basketball Tournament for Women (07th - 11th SZ)

### 31. Code of ethics for research followed by the departments

- The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices (GRP).
- All researchers are aware and comply with the ethical and legal requirements relating to human participants, disclosures of personal information and before undertaking research. All researchers follow the standard procedures for conducting research laid down by relevant scientific and professional bodies.
- All research involving use of data and material relating to human subjects are approved by the Ethical Committees constituted by our University. No research is undertaken until all of the required approvals and authorisations are given from the appropriate ethical committees.
- The research students pursuing their M.Phil and Ph.D programmes do a course work on Research methodology, in which they are taught all the ethical issues detailed above

### 32. Student profile course-wise: [2012-13]

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage
		Male	Female	
D.P.Ed. II Year	22	14	-	93 %
B.P.E. I Year	208	146	19	66%
B.P.E. II Year	157	105	10	78%
B.P.E. III Year	146	82	15	96%
B.P.Ed.	415	269	67	92%
M.P.Ed I Year	178	116	21	87%
M.P.Ed II Year	212	110	31	94%
M.Phil.	65	41	6	84%
Ph.D.	21	7	1	-

### 33. Diversity of students [2012-13]

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
B.P.E.	-	-	18	2
B.P.Ed.	36	59	4	1
M.P.Ed.	55	38	6	1
M.Phil.	50	16	34	Nil
Ph.D.	60	20	20	Nil

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.:** - NET- 4 , SLET/SET - 14, TRB- 3

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	79
PG to M.Phil.	50
PG to Ph.D.	60
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	47
• Other than campus recruitment	68
Entrepreneurs	-

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	70
from other universities within the State	28
from universities from other States	2
from universities outside the country	Nil

### 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. Ph.D [ Staff ]= 57

Name	Year	Name	Year	Name	Year
Mr. K. Sivakumar	2007	Mr. B. Ashok Kumar	2012	Mr. R. Ahilan	2013
Mr. Y. Wise Blessed Singh	2008	Mr. G. Swaminathan	2012	Mr. M. Muthuraj	2013
Mr. R. Muthueleckuvan	2008	Mr. T. Narayanasamy	2012	Mr. K. Bhuvanendhiran	2013
Mr. A.G. Venkatesan	2008	Mr. G. Rajamohan	2012	Mr. A. Neethi	2013
Mr. S. Ponson	2009	Mr. M. Muralikrishna	2012	Mr. T. Prabakaran	2013
Mr. M. Elayaraja	2009	Mr. R. Saravanan	2012	Mr. B. Parthiban	2013
Mr. S. Arul	2009	Mr. R. Karthikeyan	2012	Mr. D. Sureshkumar	2013
Mr. K. Kalimuthu	2009	Mr. S. Veeramani	2012	Mr. R. Subramanian	2013
Mr. M. Elamaran	2009	Mr. R. Rajaram	2012	Mr. N. Akilan	2013
Mr. S. Manikandan	2010	Mr. P. Mohan Antharias	2012	Mr. P. Sivakumar	2013
Mr. D. Selvam	2010	Mr. R. Sevi	2012	Mr. S. Rathinakamalan	2013
Mr. K. Rajendran	2010	Mr. S. Umanath	2012	Mr. G. Gokulkrishnan	2013
Mr. B. Chittibabu	2011	Mr. J. Saravanan	2012	Mr. P. Mahendiran	2013
Mr. Bupesh S. Moorthy	2011	Mr. M. Rajavelu	2012	Mr. S. Chandrasekaran	2013
Mr. G. Santhosh Kumar	2011	Mr. K. Krishnasamy	2012	Mr. A. Chandramohan	2013
Ms. D. Devaki	2011	Mr. M. Velmurugan	2013	Mr. S. Newton	2013
Mr. M. Ponnulingam	2012	Mr. A. Subradeepan	2013	Mr. B. Thirunavukarasu	2013
Mr. M. Sankar	2012	Mr. S. Vijay	2013	Mr. G. Ramesh	2013
Mr. K. Palanisamy	2012	Mr. Aranga Panbilnathan	2013	Mr. A. Karthik	2014

### 38. Present details of infrastructural facilities with regard to

- a) Library : Yes
- b) Internet facilities for staff and students : Yes
- c) Total number of class rooms : 18
- d) Class rooms with ICT facility : 2
- e) Students' laboratories : Yes (6)
- f) Research laboratories : Yes (2)

### 39. List of doctoral, post-doctoral students and Research Associates

a) from the host university - Ph.D [ Student]= 57

Name	Year	Name	Year	Name	Year
K.S. Rajith	2007	C.P. Sajitha Beagum	2011	T. Sevvel	2013
M. Sundar	2007	N.V. Pradeep Kumar	2011	G. Parameswari	2013
Sunny.V.Zacharia	2007	K. Balasundari	2011	C. Gangadharan	2013
C.T. Toy	2007	S. Sudhakar	2011	V. Elavarasi	2013
V.P. Sakeer Hussain	2007	S. Sureshkumar	2011	U. V. Sankar	2013
K. Sanjeevi	2007	P. M. Sudhikumar	2011	R. Natarajan	2013
Baiju P. Jose	2008	Bhavani Ahilan	2011	Shambhulingayyaswamy	2013
R. Savarirajan	2008	V. Narayani	2011	M. Varadharajan	2013
P. Mary Celine Rose	2008	V. Amutha	2011	A. Muthu	2013
K. Rama Subba Reddy	2008	S. Sumathi	2012	P. Ananthakumaran	2013
Pasam Marthaiiah	2009	S. Natrajan	2012	R. Prabu	2013
J. Paul Jeeva Singh	2009	V.A. Shafeeq	2012	Mohamed Assim	2013
Dhilleswara Rao.K.	2009	T. Vrinda Kumari	2012	P. Premnath	2013
C.V. Jhansirani	2009	P. Ramu	2012	Biju Sukumar	2013
S. Agnes Princy	2009	S. Sanjeevi	2012	V. Sudha	2013
Oinam Jiten Singh	2009	S. Selvalakshmi	2013	S. Sunilkumar	2013
M. Najeebullah	2010	A. Jerin Jose	2012	D. Sivamani	2013
G. Jayabharathy	2010	J. Vijayaragavan	2012	S. Gokila	2013
V. Jackson Paul	2010	M. Rajakumari	2013	P. Sudha	2014

b) from other universities - Nil

40. Number of post graduate students getting financial assistance from the university? Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

42. Does the department obtain feedback from

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes  
Place it in the Board of Studies, faculty meeting, academic council and other bodies
- Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes,  
Feedback form obtained from students regarding the Teaching, Syllabus covering and Evaluation system are discussed in the Staff Council.
- Alumni and employers on the programmes offered and how does the department utilize the feedback? Yes,  
Changes the curriculum periodically, Feedback of stakeholders are well taken in curriculum design, Alumni knowledge and experience are used while framing the new programme.

43. List the distinguished alumni of the department (maximum 10)

Dr. K. Vaithianathan	Vice Chancellor, TNPESU, Chennai
Dr. Beveinson Perinbaraj	Principal, Sivanthi Adithinar College of Physicla Education, Thiruchendur.
Dr. P. Samraj	Registrar i/c, TNPESU, Chennai,
Dr. Sai Kumar	Principal, Maruthi College of Physical Education, Coimbatore
Dr. Amsa Natrajan	Principal, Sri Saratha College of Physical Education, Salem
Dr. Elango	HOD, Dept Physical Education M.D.T Hindu College Tirunelveli
Dr. Sakthi Gnanavel	Prof. & Head, Dept of Physical Education & Health Sci. Pondicherry University
Dr. V. Mahadevan	Director of Physical Education, University of Madras.

**44. Give details of student enrichment programmes (Special lectures / Workshops / seminar) involving external experts.**

Special lectures are arranged inviting external experts in the field of : Sports Coaching, Officiating, Physical Education, Yoga, Disaster Management etc.,

**45. List the teaching methods adopted by the faculty for different programmes.**

Lecture Method, Seminar, Group Discussions, Brain Storming, Symposia, Team Teaching, Demonstration and Tutorial

**46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Through continuous Internal Assessments Test, Student Seminar, Assignments and Model Examinations

**47. Highlight the participation of students and faculty in extension activities.**

**Students**

- Educate hygiene the school children
- Create awareness on health to children
- Evaluate physical fitness to school children
- Conduct remedial programme for school children
- Educate balance diet and adolescent problem
- Teach yoga to school children
- Promote competitive sports among schools

**Faculty**

- Conduct workshop for school physical education teachers
- Organize inter school sports competition
- Organize inter university tournaments
- Conduct health awareness camp
- Conduct mass fitness programme
- Organise inter faculty tournaments
- Conduct summer coaching camps

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Sports Talent Identification
- Team Coaching Methodology
- Ground Preparation
- Personality Development
- Team Building Activities
- Create Awareness on Hypo-kinetic Diseases

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

National Council for Teacher Education [NCTE]

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

Scholars designs new equipments for research and evaluate the existing program and also prepare new programs in excel for statistical analysis.

## 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

### Strengths

- It is a centre for research activities in Physical Education
- Capable of organizing tournaments of higher level
- Centre where many schools and colleges use the facilities
- Able to provide qualified sports officials and physical education teachers
- Aquatic Sports.

### Weaknesses

- Need additional facilities like swimming pool, synthetic play fields
- Special research laboratories
- Collaboration with Industries
- Staff exchange programs
- Link with foreign Universities

### Opportunities

- Inter disciplinary research
- Man power for event management
- To Expand Walking club, Tennis club, Badminton club and Fitness Club
- Strengthen Alumni Association
- Publication of National Journal

### Challenges

- Financial Restraint
- To attract High Caliber Students
- Develop awareness among parents and teachers about health and physical fitness
- Encourage the residential students to use facilities of the department
- Best utilization of available facilities

## 52. Future plans of the department.

- To link the department with Foreign Universities for Research
- To link the students with Overseas students
- To exchange faculty with Foreign Universities
- To associate with National Sports Bodies
- To develop International Level Sports Facilities
- Make arrangements to visit Sports Design, Equipments manufacturing industries and give experience of preparing different play surface
- To give exposure to the Teacher Trainees to visit and understand the other research centers, Educational Institutions and Modern Sports Facilities.

## DEPARTMENT OF LIFELONG LEARNING

**1. Name of the Department :-** Lifelong Learning (from 25.06.2012)

Centre For Adult Education - 1986

Department of Adult & Continuing Education and Extension Services - 2007

**2. Year of establishment -** Centre for Adult and Continuing Education 1986, Dept. of Adult and Continuing Education and Extension Services 2007, Department of Lifelong Learning 2012.

**3. Is the Department part of a School/Faculty of the university?** Yes - Faculty of Education

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

M. A. ; M. Phil.; Ph.D.; P.G. Dip. in Adult and Continuing Education (Part - time); P.G. Dip. in Adult and Continuing Education (Off - Campus)

**5. Interdisciplinary courses and departments involved**

Department of English, History, Political Science, Economics, Sociology, Commerce, Population Studies, Library and Information Science, Business Administration, Philosophy, Tamil, Hindi, Linguistics, Psychology, Physical Education, Centre for Rural Development.

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.** Nil

**7. Details of programmes / courses discontinued, if any, with reasons :-** Nil

**8. Annual/ Semester/Choice Based Credit System -**

Semester, Choice Based Credit System

**9. Participation of the department in the courses offered by other departments**

Department of English, History, Political Science, Economics, Sociology, Commerce, Population Studies, Library and Information Science, Business Administration, Philosophy, Tamil, Hindi, Linguistics, Psychology, Physical Education, Centre for Rural Development.

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned *	Actual**
Professor		2
Associate Professors		-
Asst. Professors		-

**11. Faculty profile with name, qualification, designation and specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr.T. Rengasamy	M.A. M.Ed, M.Phil, Ph.D P.G.Diploma in Adult Education	Professor & Head (from July 2012)	Education, Adult and Continuing Education	22	1
Dr.R. Mayilananarayanan	M.A.B.Ed., Ph.D	Professor	Population Education, Adult and Continuing Education	26	-

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:** Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information:** Nil

**14. Programme-wise Student Teacher Ratio**

M.A - 3:2 – M.Phil - 3:2 – Ph.D - 1:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Actual
Technical Staff	1
Administrative Staff	3

**16. Research thrust areas recognized by funding agencies**

**Thrust Areas**

- Development of the discipline of Adult and Continuing Education (Andragogy)
- Development of Research in Andragogy (theory and action research)
- Extension and Field Outreach activities
  - Continuing Education programmes at the grassroots level.
  - Creating awareness of –
  - Communal harmony and peace education
  - Human rights and rights of vulnerable groups
  - Environmental issues
  - Panchayat Raj
  - Health education for the community
  - Women’s empowerment and
  - Social issues like AIDS/HIV, Consumer rights, Child labour etc.
- Development of Human resources linked specifically to rural business and industry.
- Establishing relationship with government organizations in serving the Community.
- Career Guidance and Counseling

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise. :- Nil**

**18. Inter-institutional collaborative projects and grants received a) All India collaboration b) International :- Nil**

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.**

Non-formal Adult and Continuing Education from UGC

1. Recurring - Rs. 4,00,000 (per year)

2. Non - Recurring - Rs. 5,00,000 (For five years)

Up to 31<sup>st</sup> May, 2013.

**20. Research facility / centre with**

- state recognition -Nil-
- national recognition -Nil-
- international recognition -Nil-

**21. Special research laboratories sponsored by / created by industry or corporate bodies: -Nil**

**22. Publications:**

- Number of papers published in peer reviewed journals (national / international) 29 (Annexure – I)
- Monographs - 01
- Chapters in Books - 03
- Edited Books - 04
- Journal - Nil -
- Books with ISBN with details of publishers : -Nil-
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index - range / average - Nil -
- SNIP - Nil -
- SJR - Nil -
- Impact Factor - range / average - Nil -
- h-index - Nil -

**23. Details of patents and income generated :- Nil**

**24. Areas of consultancy and income generated :-Nil**

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad Nil**

**26. Faculty serving in** a) National committees b) International committees c) Editorial Boards d) any other (please specify)

1. Dr.T.Rengasamy, Appointed as an Expert Member in the UGC CAS Selection Committee for teaching staff of the University of Madras.
2. Dr.T.Rengasmy, Appointed as the Subject Expert - NAAC - Academic Audit of the CBCS Examination of University of Madras.

**27. Faculty recharging strategies: - Nil-**

**28. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects - 100%
- percentage of students doing projects in collaboration with other universities / industry / institute -Nil-

**29. Awards / recognitions received at the national and international level by**

- Faculty

Sl.No	Faculty Name	Awards
1	Dr.T.Rengasamy	Children's Day Special Award given by Cuddalore District Nehru Yuva Kendra, Cuddalore - 2008.
2	Dr.T.Rengasamy	Dr.Ambedkhar National Fellowship Award - 2011.

- Doctoral / post doctoral fellows -Nil-
- Students -Nil-



### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

#### Programmes – Organized

- Organized a one day Seminar on “ Problems and solutions on women’s issues” for the village youth and women on 8<sup>th</sup> March 2008 at the Continuing Education Centre, Pallipadi village
- Organized a one day Seminar on “Women and Child Health ” on 19<sup>th</sup> March 2008 at the Continuing Education Centre, Kannangudi village.
- Organized a one day Seminar on “Leadership Qualities” for the Panchayat presidents on 31<sup>st</sup> March 2008 at Keerappalayam Union.
- Organized a one day Seminar on “Career Guidance for +2 Students” on 20<sup>th</sup> March 2008 at the Bhuvanagiri Govt. Boys Hr. Sec School.
- One day Seminar on Career Guidance and Counseling was organized by the centre on 27<sup>th</sup> March 2008 to the rural unemployed youth and women of the four Blocks of Chidambaram Taluk 120 youth and women participated in the programme.
- Organized a one day Seminar on “Career Guidance for College Students” on 20<sup>th</sup> March 2008 at Government Arts College, C. Mutlur.
- A two days seminar on “**Family Life Education for off-campus female adolescent**” was conducted for 25 girls on 19<sup>th</sup> and 20<sup>th</sup> August 2008 at Annamalainagar.
- A one day seminar on “**Quality of Life Improvement Programmes**” was conducted on 28<sup>th</sup> January 2009 for 92 rural youths at Annamalainagar.
- A one day seminar on “**Leadership Qualities for Rural Women** ” was conducted on 12<sup>th</sup> March 2009 for 100 rural women at Annamalainagar.
- A one day seminar on “**Career guidance and Counselling for the unemployed youth and women** ” was conducted on 26<sup>th</sup> March 2009 at Annamalainagar.
- A one day seminar on “**Human Rights** ” was conducted on 31<sup>st</sup> March 2009 for 110 rural youth and women at Annamalainagar.
- A one day Seminar on “**Causes for Undernutrition & the Remedial measures**” was conducted on 25.6.2009 for 75 rural youth and women at Annamalainagar.
- A one day Seminar on “**Learning Never Ends**” was conducted on 31<sup>st</sup> December 2012 for the rural youth at Annamalai Nagar.

### 31. Code of ethics for research followed by the departments

The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices(GRP). The research students pursuing their M.Phil and Ph.D programmes do a course work on Research Methodology, in which they are taught all the ethical issues detailed above.

### 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A.	4	-	3	-	100%
M.Phil.,	3	3	-		
PG –Diploma in Adult Education (Part Time)	13	12	1	83%	100%
PG –Diploma in Adult Education (DDE)	4	4	-	100%	-

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A.,	100%	-	-	-
Ph.D.,	-	100%	-	-

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.** - Nil -

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	-
PG to M.Phil./ B.Ed	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	-
• Campus selection	
• Other than campus recruitment	
Entrepreneurs	-

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	75%
from other universities within the State	25%
from universities from other States	-Nil-
from universities outside the country	-Nil-

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period :-** -Nil -

### 38. Present details of infrastructural facilities with regard to

a) Library - Yes

No. of Titles	06
No. of books	446
Journals (13 Nos.)	107 (English)
Magazines (22 Nos.)	411 (Tamil)

b) Internet facilities for staff and students - Yes

c) Total number of class rooms - Three 1+2 in integrated building

d) Class rooms with ICT facility - Two

e) Students' laboratories - One

f) Research laboratories - One

### 39. List of doctoral, post-doctoral students and Research Associates

a) from the host university

Mr. Senthil Kumar Ph.D., Research Scholar, Department of Adult and Continuing Education, & Extension Services, Annamalai University (Submitted - 2013).

b) from other universities: - Nil-

**40. Number of post graduate students getting financial assistance from the university? - One**

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.: - Nil-**

**42. Does the department obtain feedback from**

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? - Yes, Feedback is used for updating syllabus

b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, Place it in the Board of Studies, Faculty, Academic Council and Syndicate.

c) alumni and employers on the programmes offered and how does the department utilize the feedback? Nil-

**43. List the distinguished alumni of the department (maximum 10)**

Ms. S. Kanimozhi	Vandurayanpattu(VILL), Azhichikudi.
M. Suresh Kumar	Sengulam, East Street, Pulvoikarani - Post, Thiruppuvanam (Via), Sivagangai.
P.M Asish	K.V. Padmanabhan Nair, Puthuparamba Hosue, Munduparamba, Kerala.
C.T. Naseer	Abulla .C.T., Cheruvadi - P.O, Mavoor (Via) Calicut, Kerala.
P. Biju	Korukutty, Chevampunath, Kakkur - P.O, Kozhikode - Dt., Kerala.
M. Shafi	A.K. Musthafa, Kizhakkevedu, Kallumthazham - P.O, Kilikollor, Kollam, Kerala.
C.V. Thomus	C.C. Varkey, Cherukarakunnel, House Kalaketty P.O., Kottayam.
N. Senthil Kumar	P. Nachimuthu, 5/69. S.K.P Illam, West Street, Nallipalayam - P.O., Namakkal
P. Sessy	A. Sudheesh Babu, Alampat House, Near Railway Station, Kadlundi Calicut.
R. Mummoorthy	K. Ramalingam, Karmangudi Village, Virudhadchalam - P.O, Virudhadchalam Taluk,
V. Anver Ali	V. Muthammed, Vadakkumpurath, Vallikkappta - P.O., Malappuram, Kerala.

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

**Programmes - Organized**

- Organized a one day Seminar on " Problems and solutions on women's issues" for the village youth and women on 8<sup>th</sup> March 2008 at the Continuing Education Centre, Pallipadi village.
- Organized a one day Seminar on "Women and Child Health " on 19<sup>th</sup> March 2008 at the Continuing Education Centre, Kannangudi village.
- Organized a one day Seminar on "Leadership Qualities" for the panchayat presidents on 31<sup>st</sup> March 2008 at Keerappalayam Union.
- Organized a one day Seminar on "Career Guidance for +2 Students" on 20<sup>th</sup> March 2008 at the Bhuvanagiri Govt. Boys Hr. Sec School
- One day Seminar on Career Guidance and Counseling was organized by the centre on 27<sup>th</sup> March 2008 to the rural unemployed youth and women of the four Blocks of Chidambaram Taluk 120 youth and women participated in the programme.
- Organized a one day Seminar on "Career Guidance for College Students" on 20<sup>th</sup> March 2008 at Government Arts College, C. Mutlur.
- A two days seminar on "Family Life Education for off-campus female adolescent" was conducted for 25 girls on 19<sup>th</sup> and 20<sup>th</sup> August 2008 at Annamalainagar.
- A one day seminar on "Quality of Life Improvement Programmes" was conducted on 28<sup>th</sup> January 2009 for 92 rural youths at Annamalainagar.

- A one day seminar on “**Leadership Qualities for Rural Women**” was conducted on 12<sup>th</sup> March 2009 for 100 rural women at Annamalainagar.
- A one day seminar on “**Career guidance and Counselling for the unemployed youth and women** ” was conducted on 26<sup>th</sup> March 2009 at Annamalainagar.
- A one day seminar on “**Human Rights** ” was conducted on 31<sup>st</sup> March 2009 for 110 rural youth and women at Annamalainagar.
- A one day Seminar on “**Causes for Undernutrition & the Remedial measures**” was conducted on 25.6.2009 for 75 rural youth and women at Annamalainagar.
- A one day Seminar on “**Learning Never Ends**” was conducted on 31<sup>st</sup> December 2012 for the rural youth at Annamalai Nagar.

#### 45. List the teaching methods adopted by the faculty for different programmes.

Lecture Method, Group Discussion, Seminar, Brain Storming, Symposia, Team Teaching, Demonstration and Tutorial.

#### 46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored? : - Nil

#### 47. Highlight the participation of students and faculty in extension activities.

##### Special Lecture :

Date	Topic	Place	Organization
<b>Dr.(Ms.) S. Umayaparvathi</b>			
12.3.2008	Importance of Education for Empowerment of women”	Mayiladurai	AVC Engineering College
13.3.2008	“Role of Police Department in Women’s Safety”	Cuddalore	District Supernatant of police training Unit.
<b>Dr.T.Rengasmay</b>			
	Information Technology in Continuing Education,	Courtallam.	Adult and Non- formal Education, Chennai
02.11.2007	Self - Confidence	Chidambaram.	Kamaraj Matriculation Higher secondary School, CDM
12.11.2008	Effective Organization of Meeting	Annamalai University	N.S.S Annamalai University.
25.12.2008	Life Skills for Adults	Neyveli	Nehru Yuva Kendra Cuddalore.
2.3.2009	Providing Educational Opportunities	Ramapuram	N.S.S, Annamalai Unviersity.
3.3.2009	Youths and Social Service	Killai	N.S.S., Annamalai University.
7.3.2009	International Women’s Day	Vallam padugi	CREED Chidambaram
8.3.2009	Education for All	Thillaividangan	N.S.S Annamalai Univerisity.
10.3.2009	Youth and Society	Periyakuppam	N.S.S. Annamalai University.
16.3.2009	Youth and Health	Vaiyoor	N.S.S. Annamalai University
22.3.2009	Types of Leaders	Annamalainagar	N.S.S. Annamalai University.
26.4.2009	Education and Career Guidance for Rural Adolescents	Veppoor	Nehru Yuva Kendra Cuddalore.
3.8.2009	Breast Beading	AnnamalaiNager	N.S.S. Annamalai University.
17.9.2009	Education for All	Perumathoor	N.S.S. Annamalai University.
27.9.2010	Life Skills for Adult	Manjakollai	Nehru Yuva Kendra, Cuddalore
2.02.2010	AIDS	Annamalai University	N.S.S., Annamalai University.
23.2.2010	Leadership Qualities	Kanakarappattu	N.S.S. Annamalai University.
22.3.2010	Felicitation Address	Kothattai	N.S.S. Annamlai University.
24.3.2010	Right to Information Act	Kothattai	N.S.S. Annamalai University.

Date	Topic	Place	Organization
3.4.2010	Self Confidence	Sethiyathoppu	Nehru Yuva Kendra, Cuddalore.
12.1.2011	Various Career Opportunities	Govt. Girls Hr.Sec. School Bhuvanagiri.	Nehru Yuva Kendra, Cuddalore.
19.3.2011	Women Education	Andal Mullippallam	N.S.S, Annamalai University.
27.3.2011	Convocation Address	Chidambaram	Home 2 Nursery and Primary School Chidambaram.
26.5.2011	“Relations Among Family Members, Individual Family and Joint Family”	Chidambaram	Central and State Govt. Social Welfare Boards & CREED.
6th to 26 <sup>th</sup> June 2012	Moderator ISRC - Refresher Course	Annamalai University	Department of Philosophy, Annamalai University.
21.01.2013	“Citizen Who is a Good”	Srimushnam	C.S. Jain Collage of Education, Srimushnam.
22.02.2013	“Effective use of Television Programmes and Laptops”	Kizh Manakkudi	NSS Annamalai University.
09.03.2013	“What is Leadership”	Annamalai University	N.S.S, Annamalai University.
06.04.2013	Population and Quality of Life	Pondicherry	Vivekanandha College of Education
08.04.2013	Capacity Building	Nagappattinam	Jan Shikshan Sanstham, Nagappattinam.
29.12.2013	Being a Good Citizen of India	Pondicherry	Krishnasamy College of Education for Women, Puducheery.
27.01.2014	Problem Solving	Tharmanallor	Higer Secondary School, Tharmanalloor.
<b>Dr.R. Mayilanarayanan</b>			
3.1.2008	Career Guidance programme	Puthur	Srinivasa Supparaya polytechnic College
29.1.2008	Improving the soft skills	Keezhamongiladi	Sri Ragavandra Arts & Science College,
30.1.2008	NSS students of Keezhamoongiladi.	Meethekkudi	Sri Ragavandra Arts & Science College,
18.9.2008	Role of youth in community Development	Ayangudippallam	Srinivasa Subbaraya Polytechnic College, Puthur
29.1.2009	Lecture on Adult Education	Velakkadi	Sri Ragavendra Arts & Science College, Keelamungilady.
18.2.2009	Career Guidance Programme	Puthur	Srinivasa Subbaraya Polytechnic College, Puthur.
8.12.2009	Scope of food Processing sector in Cuddalore District.	Annamalai Nagar	Department of Agricultural Economics, Annamalai University.
16.12.2009	Career Guidance Programme	Puthur	Srinivasa Subbaraya Polytechnic College, Puthur.
27.1.2010	Adult Education	Kizhanuvampattu	Sree Raghavendra Arts & Science College, Keezhamoongiladi.
29.1.2010	Self Confidence Motivation, Positive Thinking and Goal Setting	Puthur	S.S. Polytechinc, Puthur
23.3.2010	Entrepreneurship for women	Kothattai	N.S.S. Annamalai University.

Date	Topic	Place	Organization
14.5.2010	Motivation and Leadership Qualities	Annamalai Nagar	Dept. of Agricultural Economics, Annamalai University..
6.1.2011	Career Guidance	Puthur	S.S. Polytechnic College
24.1.2011	"Adult Education"	Anaiyakuppam	NSS Unit of Sri Raghavendhra College of Arts & Science.
19.4.2011	Social Themes	B. Mutlur	Sri Rama Hanuman Trust
5.8.2012	Muthamizh Samuga Seva Iyakkami	Mother Theresa	Puducherry
25.2.2013	Role of youth in Social Service,	Kannankulam	NSS Camp, S.S. Polytechnic College, Puthur.
11.3.2013	"Personality Development "	Kadavacherry	N.S.S Camp Sri Raghavendra College, Keeazhamoongiladi.
22.3.2013	"Annual day cum kindergarten Convocation"	Rasi Thirumana Mandapam,	Home 2 Nursery and Primary School.
1.4.2013	"Role of Youth in Social Service"	C. Melavanniyar	NSSAnnamalai University.

### Extension Activities :

#### Details of the Continuing Education Centres and its activities:

Union	Name of the Village	Details of Activities
Parangipettai	1. Kovilampoondi 2. Anuvampattu 3. Thillaividangan 4. Kothangudi 5. Meethikudi	In the 20 Continuing Education Centres, literacy programmes, vocational training courses, healthcamps, awareness meetings, evening coaching classes for school drop-outs, sports and games are being conducted
Kumaratchi	6. Varahoorpettai 7. Agaranallur 8. Elanangoor 9. Sivayam 10. Poolamedu	
Keerapalayam	11. Thunisiramedu 12. Melavanniyur 13. Kannangudi 14. Edayanpalcherry.	
Mel-Bhuvanagiri	15. T. Manalur 16. Perumathoor 17. Paluthangarai 18. Sathappadi 19. Vandurayanpattu 20. North-Thillainayanpuram	

#### One - day orientation training programmes:-

Training Programmes for the twenty continuing education workers were organized on the following dates in order to up-date their knowledge and to review the activities of the Continuing Education centre.

2007 - 2008	2008 - 2009	2009 - 2010	2010 - 2011	2011 - 2012	2012-2013
14.08.2007	18.04.2008	11.05.2009	19.04.2010	14.06.2011	24.9.2012
21.09.2007	26.05.2008	11.06.2009	19.07.2010	13.09.2011	22.10.2012
15.10.2007	16.06.2008	04.08.2009	31.08.2010	08.11.2011	8.11.2012
19.11.2007	18.07.2008	07.09.2009	13.09.2011	11.01.2012	10.1.2013
12.12.2007	16.08.2008	09.10.2009	28.12.2010	28.02.2012	27.2.2013
07.01.2008	26.09.2008	27.11.2009	28.01.2011	20.03.2012	25.3.2013
15.02.2008	23.10.2008,	24.12.2009	28.03.2011		22.5.2013
17.03.2008	10.12.2008				30.5.2013
18.04.2008	09.01.2009				
26.05.2008	25.02.2009				
16.06.2008					

### Continuing Education Courses Conducted:

The department for Adult and Continuing Education and Extension Services conducted twenty Short-term Vocational skill development courses in nine different fields, for the neo-literates and peoples of under privileged of various communities for a period ranging from 3 days to 3 months. For each and every course, 20 participants were selected on the basis of their need and interest. Preference was given to male or female candidates according to the nature of the courses. Well qualified resource persons were carefully selected by the staff of the centre for each and every course and arrangements were made to give practical training to the participants in the villages itself in an effective manner.

Course Title	Duration in days	Dates and location of course	Participants		
			M	F	T
Photography	1 Month	16.8.2007 To 16.9.2007 Annamalainagar	4	10	14
Tailoring	3 Months	10.9.2007 To 9.12.2007 Poolamedu	-	20	20
Tailoring	3 Months	12.9.2007 To 11.12.2007 Kovilampoondi	-	20	20
Book-Binding	3days	4.2.2008 to 6.2.2008 C. Kothangudi	-	21	21
F.M. Radio Proqramme	3days	18.2.2008 to 20.2.2008 Thillaividangan	8	12	20
Book Binding	3days	13.2.2008 to 15.2.2008 Pallippadai	-	24	24
Wire Bag knitting	3days	27.12.2007 to 29.12.2007 Sathappadi	-	20	20
Screen Printing	3days	26.12.2007 to 28.12.2008	-	33	33
Iec-stick Fancy Items making	3days	9.1.2008 to 11.1.2008 Thunisiramedu	-	21	21
Wire Bag Knitting	3days	21.1.2008 to 23.1.2008 T. Manalur	-	24	24
Two wheeler Mechanism	3days	25.2.2008 To 27.2.2008 Thillainayagapuram	25	-	25
Thread work	3days	26.2.2008to 28.2.2008 Vandurayanpattu	-	20	20
F.M. Radio Assembling	3days	25.2.2008 to 27.2.2008 Varahoorpettai	3	20	23
Greetings Cards & Fancy Items Making	3days	24.3.2008 to 26.3.2008 Thavarthampattu	-	20	20
Strap wire bag kintting	3days	25.3.2008 To 27.3.2008 Kanakkarappattu	-	20	20
Ice- Stick Fancy Items Making	3days	5.3.2008 to 7.3.2008 Najalur	-	20	20
Wire Bag knitting	3days	26.3.2008 to 28.3.2008 Ponnerikari	-	20	20
Mat work	3days	25.3.2008 to 28.3.2008 C. Melavanniyur	-	20	20
Screen Printing	3days	26.12.2007 to 28.12.2007 Kannangudi	-	20	20
Community Computer Literacy Training	3Monts	16.11.2007 to 4.2.2008 Annamalainagar			
Strap-wire Bag Knitting	3 Days	10-11-2008 to 12-11-2008 Sivayam	-	20	20
Tailoring	3 months	10-11-2008 to 09-02-2009 Thillainayapuram	-	23	23
Toys Making	3 Days	17-11-2008 to 19-11-2008 Paluthankari	3	12	15
Strap-wire Bag Knitting	3 Days	10-11-2008 to 12-11-2008 Poolamedu	-	20	20
Toys Making	3 Days	17-11-2008 to 19-11-2008 Melavanniyur	8	7	15
Flower Vase Making	3 Days	19.01.2009 to 21.01.2009 Varagoorpettai	-	24	24
Greeting Card Making	3 Days	20.01.2009 to 22.01.2009 C.Kothangudi	-	20	20
Office Pad & Cover Making	3 Days	21.01.2009 to 23.01.2009 Kovilampoondi	-	22	22
Wire Bag Knitting	3 Days	22.01.2009 to 24.01.2009 Pallippadai	-	20	20
Thread Work	3 Days	24.01.2009 to 26.01.2009 Ponnerikarai	-	21	21
Sandle & Computer Sambirani Making	3 Days	24.01.2009 to 26.01.2009 Kannangudi	10	11	21
Sandle & Computer Sambirani Making	3 Days	09.02.2009 to 11.02.2009 Thunisiramedu	-	20	20
FM Radio Assembling	3 Days	11.02.2009 to 13.02.2009 Thavarthampattu	-	20	20
Flower Vase Making	3 Days	21.02.2009 to 26.02.2009 Thillaividengan	-	20	20
Wire Bag Knitting	3 Days	03.03.2009 to 05.03.2009 T.Manalur	-	21	21
Screen Painting	3 Days	05.03.2009 to 07.03.2009 Edayanpalchoory	17	3	20
Mushroom Culture	3 Days	07.03.2009 to 09.03.2009 Sathappadi	-	21	21
Wire Bag Knitting	3 Days	17.03.2009 to 19.03.2009 Meethigudi	-	23	23
Jewels Making	3 days	27.03.2009 to 01.03.2009 Vandurayanpattai	-	20	20

Course Title	Duration in days	Dates and location of course	Participants		
			M	F	T
Wire Bag Knitting	3 Days	28.03.2009 to 30.03.2009 Meethigudi	-	23	23
Community Computer Literacy	3 months	23.10.2008 to 22.01.2009 Annamalai nagar	1	14	15
Wire Bag Knitting	3 Days	24.8.2009 to 26.8.2009 Keel Anuvanpattu	-	20	20
Tailoring	3 months	03.9.2009 to 02.11.2009 Meethikudi	-	22	22
Tailoring	3 months	08.9.2009 to 7.12.2009 Thunisirmedu	-	20	20
Strap-wire Bag Knitting	3 Days	14.9.2009 to 16.9.2009 C. Kothankudi	-	20	20
Wire Bag Knitting	3 Days	15.9.2009 to 17.9.2009 Thillainayagapuram	-	21	21
Tailoring	3 Months	22.9.2009 to 21.12.2009 Varagoorpettai	-	27	27
Book Binding	3 Days	23.9.2009 to 25.9.2009 Kovilampoondi	-	22	22
Screen Printing	3 Days	6.10.2009 to 8.10.2009 Paluthankarai	9	11	20
F.M. Radio Assembling	3 Days	29.12.2009 to 31.12.2009 Poolamedu	14	4	18
Flower wash making	3 Days	08.2.2010 to 10.2.2009 Sivayam	-	20	20
Jute mat making	3 Days	18.2.2010 to 20.2.2010 C. Melavaniyur	10	11	21
Pooja wire Bag knitting	3 Days	22.2.2010 to 24.2.2010 Elanangoor	-	20	20
Gold tree making	3 Days	24.2.2010 to 26.2.2010 Konangulam	4	16	20
Tube wire Bag knitting	3 Days	17.3.2010 to 19.3.2010 AgaraNallur	-	20	20
Scarph Making	3 Days	17.3.2010 to 19.3.2010 Edayanpalcharry	3	16	19
Embroidering	3 Days	18.3.2010 to 20.3.2010 T. Manalur	0	23	23
Book Binding	3 Days	22.3.2010 to 24.3.2010 Thillaividangan	3	19	22
Fancy Item making	3 Days	29.3.2010 to 31.3.2010 Vandurayanpattu	-	20	20
Embroidering	3 days	29.3.2010 to 31.3.2010 Sathapadi	-	20	20
Community Computer Literacy	3 months	Annamalai nagar	03	06	09
Book Binding	3 days	19.01.2011 to 21.01.2011 AgaraNallur	10	10	20
Strap Wire Bag Knitting	3 days	09.02.2011 to 11.02.2011 Kovilampoondi	-	20	20
Gold Tree Making	3 days	14.02.2011 to 16.02.2011 Thillainayagapuram	04	16	20
Book Binding	3 days	15.02.2011 to 17.02.2011 Varahoorpettai	06	14	20
Necklace Making	3 days	17.02.2011 to 19.02.2011 Meethigudi	-	20	20
Embroidering	3 days	21.02.2011 to 23.02.2011 Thillaividangan	-	20	20
F.M. Radio Assembling	3 days	22.02.2011 to 24.02.2011 Thunisirmedu	8	12	20
Scarf and Mat Making	3 days	23.02.2011 to 25.02.2011 C. Sathappadi	-	20	20
Necklace Making	3 days	28.02.2011 to 02.03.2011 Konangulam	-	20	20
Tailoring	3 Months	24.1.2011 to 23.4.2011 Perumathur	-	26	26
Computer Training	3 days	19.1.2011 to 18.4.2011 Annamalai nagar	8	6	14
Tailoring	3 months	21.12.2011 to 20.1.2012 Konankulam	-	20	20
Wire Bag Knitting	3 days	21.12.2011 to 23.12.2011 Kovilamboondi	-	20	20
Beautification	3 days	09.1.2012 to 10.2.2012 perumathur	-	31	31
Strap Wire Bag knitting	3 days	23.1.2012 to 25.1.2012 Thillaivedangan	-	20	20
Embroidering	3 days	25.1.2012 to 27.1.2012 Paluthankarai	-	20	20
Star Model wire Bag Making	3 days	03.2.2012 to 6.2.2012 Varahoorpettai	-	20	20
Pooja Wire Bag Knitting	3 days	10.2.2012 to 12.2.2012 Vandurayanpattu	-	20	20
Embroidering	3 days	13.2.2012 to 15.2.2012 Meethigudi	-	23	23
Fancy Bag Making	03days	27.2.2012 to 29.2.2012 Elanangoor	-	20	20
Strap Wire Bag Making	03 days	29.2.2012 to 2.3.2012 Keel Anuampattu	-	21	21
Pooja Bag Knitting	03 days	05.3.2012 to 07.3.2012 Sivayam	-	20	20
Strap Wire Bag Making	03 days	05.3.2012 to 07.3.2012 Thunisirmedu	-	22	22
Embroidering	03 days	14.3.2012 to 10.3.2012 C. Melavanniuyr	-	22	22
Flower Vase Making	03 days	14.3.2012 to 16.3.2012 C. Kothangudi	-	23	23
Flower Vase Making	03 days	26.3.2012 to 28.3.2012 Agranallur	-	20	20
Pooja Bag Knitting	03 days	26.3.2012 to 28.3.2012 Poolamedu	-	20	20
Wire Bag Knitting	03 days	28.3.2012 to 30.3.2012 C. Sathappadi	-	20	20
Scarp Making	03 days	28.3.2012 to 30.3.2012 T. Manalour	-	20	20



Course Title	Duration in days	Dates and location of course	Participants		
			M	F	T
Flower Vase Making	03 days	29.3.2012 to 31.3.2012 Thillainayagapuram	-	20	20
Mat and Scarp Making	03 days	29.3.2012 to 31.3.2012 Ediyampalsory	-	20	20
Computer Training	03 months	4.1.2012 to 30.3.2012 Annamalainagar	1	13	14
Flower Vase Making	03 days	17.10.2012 to 19.10.2013 Konankulam	-	20	20
F.M. Radio Assembling	03 days	5.11.2012 to 07.11.2012 Kovilamboondi	12	13	23
Strap Wire Bag knitting	03 days	02.1.2013 to 04.1.2013 Ambuputtiyalayam	-	20	20
Pooja Wire Bag Knitting	03 days	07.1.2013 to 09.1.2013 Thillaivedangan	-	20	20
Scarf Knitting	03 days	07.01.2013 to 09.01.2013 Edayanpalcherry	-	21	210
Jamiky Work	03 days	05.2.2013 to 07.02.2013 Perumathur.	-	22	22
Tailoring Course	03 months	12.11.2012 to 11.2.2013 Agarnallur	-	20	20
Tailoring Course	03 months	19.11.2012 to 19.2.2013 C.Kothankudi	-	20	20
Jamiky Dressing Work	03 days	20.02.2013 to 22.02.2013 P.Manaveli	-	25	25
Fancy Dress Jamiky Work	03 days	21.02.2013 to 23.02.2013 Meethikudi	-	22	22
Tailoring Course	03 days	27.11.2013 to 27.2.2013 Elanangoor	-	20	20
Wire Bag Knitting	03 days	04.03.2013 to 06.3.2013 Kodiyalam	-	21	21
Wire Bag Knitting	03 days	13.03.2013 to 15.3.2013 Esanai	-	20	20
Jamiky Dress Designing and Beautician Course	03 days	18.03.2013 to 20.03.2013 Sivayam	-	20	20
Jamiky Dress Designing Work & Kolusu Making	03 days	18.03.2013 to 20.03.2013 Poolamedu	-	22	22
Jamiky Dress Designing and Embroidering	03 days	19.03.2013 to 21.03.2013 Thunisiramedu	-	21	21
Candle and Computer Sambirani Making	03 days	19.3.2013 to 21.3.2013 C-Melavanniyur	-	20	20
Wire Bag Knitting	03 days	20.3.2013 to 22.3.2013 Nakkaravanthan gudi	-	20	20
Candle and Computer Sambirani Making	03 days	20.3.2013 to 22.3.2013 Paluthankarai	-	27	27
Computer Training	03 months	24.12.2012 to 28.3.2013 Annamalainagar	6	8	14

### Population Education Clubs:

Twenty Population Education Clubs are established in twenty villages of the Continuing Education Centers. Activities like awareness meetings, discussions, exhibitions are periodically conducted on 'Mother and Child Health, Reproductive Health, Adolescence Education, Sanitation, Nutrition, Small Family Norms, etc.,

Each Year International Literacy Day was celebrated in twenty Continuing Education Centres. To stress the need and importance on literacy to the rural people, drawing, essay and elocution competitions were conducted for the school students and rural youth and prizes were distributed to the winners of the competitions. As a concluding function of the world International Literacy Day Celebrations special awareness meeting were also conducted at Annamalai Nagar.

### International Literacy Day celebrations (2012-2013)

1. Village School Level from 28.8.2012 to 3.9.2012 (Six Village)
2. Town School Level on 4.9.2012
3. University Level on 06.9.2012.

The Department conducted Essay and Elocution Competition for the Students of Primary Schools, High and Hr.Sec Schools and University Students. Certificates and prizes were given by the Vice-Chancellor **Dr. M. Ramanathan** for the winners of the competition on 8.9.2012.

**World Population day celebration:-** The world population day was celebrated in twenty continuing education centers. In order to create awareness on population problems and issues

drawing, easy, and Elocution competition were conducted for the school students and village youth and prizes were distributed to the selected participants. Special Awareness Meetings were also conducted in two villages as detailed below:

Date	Village	Resource Person	Topics
11.7.2007	Varahoorpettai	Dr.M. Sivamani Dr.N Srinivasan Dept of Community Medicine	'Role of women's education in controlling the population Growth. 'Importance of Awareness on population Issues'
17.7.2007	C. Melavanniyur	Dr.M. Harikrishnan, Prof. of Edn. , Mr. A.G. Arivukkarasu Sr. Lecturer in Pop. Studies	Preventive Measures of population Explosion Population problem.

The following staff members of the Department also spoke on the theme of population Issues during the above noted meetings.

Dr. A. Selvaraj Gnanaguru, Prof. and Head;      Dr. (Ms.) S. Umayaparvathi, Prof. & Head.  
Dr. T. Rengasamy, Reader;                              Dr. R. Mayilanarayanan, Reader.

#### **Awareness Meetings Organized**

In order to create awareness on the National important Days, Special meetings were arranged in the service villages on the respective dates. The events include.

International Women's Day;      Independence Day;      Children's Day;  
Gandhi Jayanthi;                      Republic Day;              Child Labour Day;  
No Smoking Day;                      AIDS Day;                      World Environment Protection day.

#### **Innovative Programme:**

A one month Basic Literacy Programme was organized by the Department of Adult Education for the FNA/MNA of Raja Muthiah Medical College Hospital, Annamalai University from 28.5.2009 to 30.6.2009.

#### **Health Camps**

In collaboration with department on community medicine and department of ophthalmology, Raja Muthiah Medical College Hospital, Annamalai University, a Health survey were conducted and general health and Eye camps were conducted in Thillaividangan , Anuvampattu and Thunisiramedu villages .

**48. Give details of "beyond syllabus scholarly activities" of the department.:-** Nil

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. :-** Nil

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

#### **Contributions:**

- The staff of the Department, involved in giving extension lectures on various fields.
- The research contribution of the staff member create new knowledge in the emerging areas of research.
- Made neo-literate as literates
- Created awareness among the rural masses about Human Right, Legal Literacy, Right to Education Act, Women issues need and importance of education.
- Gave Vocational skill development training to 225 rural youth on various fields (per year) such as Computer, Beautician, Tailoring , Screen Printing, Assembling F.M Radio and Art and Craft Works.

- Gave training to the rural youth to utilize the leisure time in healthy living (Sports and Games and reading habit.)
- Basic Literacy Programme was organized by the Department of Adult Education for the FNA/MNA of Raja Muthiah Medical College Hospital, Annamalai University.

### **51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

#### **Strengths:-**

- Faculty members are good in teaching, research and extension services.
- The faculty has done an exceptional job in a variety programmes in non – formal education, health improvement, industry and research/ practice.
- The department has earned a strong reputation by having organized a number of programmes very successfully at community level and university level.

#### **Opportunities:**

- Opportunities for students to gain expertise in extension area.
- Facing difficulty in helping the students cope with uncertainty, complexity and change.

#### **Weaknesses:**

- There is no UG course in Adult Education / Lifelong Learning anywhere in India.
- Students who have completed courses seem to have difficulty in finding jobs.
- Students need more fellowship (Scholarship) grant support.

#### **Challenges :**

- Efforts will be on increasing the strength of students.
- Undertake more collaborative work within the university.
- New programming opportunities will be raised.
- Collaborative efforts will be undertaken with GO's / NGO's in the areas of human resource development.
- Students of other department will be motivated to opt the department's elective paper's under CBCS.

### **52. Future plans of the department.**

- Teaching Training and Research – Same as other teaching departments of the university.
- Catalyst Role in Lifelong Learning – Act as a focal agency in the university system for all Lifelong Learning Programmes and provide academic and technical resource support for community based activities in collaboration with university departments
- Collaborative and Networking role – Apart from collaboration with university departments, networking with Governmental and Non-governmental agencies, international organizations as well as industries.
- Developing and offering need based Lifelong Learning/Education programmes for students and members of local community.
- Documentation , Dissemination and Evaluation – Development of reading materials for neo-literates, documentation of case/ studies/success stories and preparation of scholarly publications, monographs, research papers and evaluation studies.

## DEPARTMENT OF MUSIC

1. Name of the Department :- Music
2. Year of establishment :- 1929
3. Is the Department part of a School/Faculty of the university?: Yes, Faculty of Fine Arts
4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Programmes & Courses	Programmes	Discipline
Title Courses	Isaikalaimani ( 4 - Years)	Vocal, Veena, Violin, Flute, Miruthangam, Thavil, Nagaswaram
	Thevara Isaikalaimani ( 4 - Years)	Thevaram
	Nattiyakalaimani ( 4 - Years)	Bharathanatyam
	Isaichelvamani ( 2 - Years)	Vocal, Veena, Violin, Flute, Miruthangam Thavil, Nagaswaram
	Nattuvangakalaimani ( 1 - Year)	Nattuvangam
Under Graduate	B. Music ( 3 - Years)	Vocal, Veena, Violin, Flute, Miruthangam Thavil, Nagaswaram
	B. Dance ( 3 - Years)	Bharathanatyam
Post Graduate	M. Music ( 2 - Years)	Vocal, Veena, Violin, Flute, Miruthangam
	M. Dance (2 - Years)	Bharathanatyam
Teachers Training Certificate in Music	T.T.C in Music (1 - Year)	Vocal
M. Phil. in Music		
Ph. D.		

5. Interdisciplinary courses and departments involved: - Acoustics (Department of Physics)

6. Courses in collaboration with other universities, industries, foreign institutions, etc. ----

7. Details of programmes / courses discontinued, if any, with reasons

Integrated Programmes discontinued because of no admission

8. Annual/ Semester/Choice Based Credit System :- Annual System

9. Participation of the department in the courses offered by other departments -----

10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned*	Actual**
Professor	02	2
Associate Professors	02	2
Asst. Professors	11	68

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

11. Faculty profile with name, qualification, designation and specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. T. Arutselvi	M.Sc(Phy), .A(Mus), M.A(Tam),B.Ed,Ph.D.,	Professor & Head	Veena	20
Mr. S.R.D.M. Sivaraj	Sangeetha Bhushanam (Nadaswaram) Traditional Musician,	Associate Professor	Nagaswaram	18
Mr. R.K. Kumar	Isaimamani, Isaichelvamani,	Associate Professor	Vocal	18
Mr. V.L.V. Sudharsan	M.A. (Ind.Mus),Sangeetha Vidwan (Violin), Traditional Musician (A Grade)	Assistant Professor	Violin	13
Mr. P. Meenakshi Sundaram	B.Music(Veena), Sangeetha Bhushanam,	Assistant Professor	Veena	12
Dr. N. Girishkumar	M.A(Ind.Mus),M.Phil.,Ph.D.,	Assistant Professor	Flute	12
Mr. M Mohan	Traditional Musician	Assistant Professor	Nagaswaram	12
Dr. Uma Anand	B.A. (Fine Arts), Ph.D.	Assistant Professor	Bharathanatyam	12
Mr. T. Palanisamy	B.A, TTC, Dip. in Music	Assistant Professor	Vocal	11
Mr. K. Krishnaraju	M.A,TTC,Title of Natanamamani	Assistant Professor	Bharathanatyam	11
Dr. R. Chandra	M.A. (Perf.Arts), TTC, Ph.D	Assistant Professor	Vocal	11
Mr. G. Pichai	B.Com., Traditional Musician	Assistant Professor	Violin	11
Mr. N. Thulasi Raman	M.A.,TTC., Dip. in Isaimamani,Isaichelvamani,	Assistant Professor	Veena	10
Mr. N. Venkatesh	Traditional Musician	Assistant Professor	Vocal	10
Mr. N. Muthukumaran	B.Music (Violin)	Assistant Professor	Violin	10
Dr. R. Ezhilraman	M.A. (Per.Arts), Ph.D.,	Assistant Professor	Vocal	10
Mr. A. Chandrasekaran	B.A (Socio), Dip. Vadyavishradha,, Traditional Musician,	Assistant Professor	Mirudhangam	10
Ms. Subashini Chandrasekaran	M.A(Eco), Dip. Nattu.,	Assistant Professor	Nattuvangam	10
Mr. R. Jaishankar	B.Com., TTC (Vocal),	Assistant Professor	Violin	10
Mr. G. Kamalakannan	Title of Isai., TTC (Music), Traditional Musician	Assistant Professor	Mirudhangam	9
Mr. G. Babu	Traditional Musician (A- Gr)	Assistant Professors	Thavil	9
Mr.G. Santhankrishnan	B.Sc., Traditional Musician	Assistant Professor	Mirudhangam	9
Mr. K. Selvaganapathy	Dip. In Music Traditional Musician,	Assistant Professor	Thavil	9
Mr. A. Vijaykarthikayan	M Music Traditional Musician (A Grade)	Assistant Professor	Nagaswaram	8
Mr. N. Sattaiyappan	Title of Isaikalaimani,T.T.C.,	Assistant Professor	Vocal	8
Mr. N. Muthukrishnan	Title of Isaimamani, B.A., T.T.C., Traditional Musician,	Assistant Professor	Vocal	8
Ms. A. Chitra	B.A(Socio)., Traditional Musician (B Grade)	Assistant Professor	Nattuvangam	8

Name	Qualification	Designation	Specialization	No. of Years of Experience
Mr. G. Sengalvarayan	M.A., Title of Sangeetha bushanam,	Assistant Professor	Mirudhangam	8
Mr. A. Saravanan	B.A.(Pol.Sci), Traditional Musician	Assistant Professor	Thavil	8
Mr. K. Rajesh	B.Com., Traditional Musician	Assistant Professor	Vocal	8
Mr. M. Shanmugam	Traditional Musician	Assistant Professor	Thavil	8
Mr. V. Sampathkumar	Traditional Musician	Assistant Professor	Nagaswaram	8
Mr. S. Vijendran	Traditional Musician	Assistant Professor	Mirudhangam	8
Mr. D. Mohan	Dip.VadyaVisharadha (Mridangam), Traditional Musician,	Assistant Professor	Mirudhangam	8
Mr. G. Nataraja kalyanasundaram	Isaikalaimani, B.Litt(Tamil)	Assistant Professor	Vocal	7
Mr. Durai Bharathidasan	Cert. in Nagaswaram, Traditional Musician (A Gr)	Assistant Professor	Nagaswaram	7
Mr. S. Muthu krishnan	Traditional Musician	Assistant Professor	Thavil	7
Ms. A. Esther pradeepa	M.A(Eng),M. Phil., M.Dance, Traditional Musician	Assistant Professor	Bharathanatya m	7
Mr. T. Kirubanithi	TTC., Title of Sangeetha bushanam, Traditional Musician,	Assistant Professor	Mirudhangam	7
Mr. B. Shanmuga nandam	Dip. in Music, T.T.C. Isaichelvamani Traditional Musician,	Assistant Professor	Vocal	6
Mr. S. Veeramani kandarajan	Dip.in Nadhaswaram, Traditional Musician,	Assistant Professor	Nagaswaram	6
Mr. R. Gurusamy	Dip.in Thavil, Traditional Musician,	Assistant Professor	Thavil	6
Mr. S. Venkatesan	Isai Kalaimamani, Traditional Musician,	Assistant Professor	Violin	6
Mr. P. Bala murugan	Isai Chelvamani, TTC and Traditional Musician,	Assistant Professor	Violin	6
Mr. V. Vasanth kumar	Traditional Musician,	Assistant Professor	Flute	6
Mr. J. Venugopal	Dip. in Music Traditional Musician,	Assistant Professor	Nagaswaram	6
Mr. J. Kumar	Traditional Musician,	Assistant Professors	Thavil	6
Ms. P. Suba	Dip in Music TTC., Traditional Musician,	Assistant Professor	Vocal	6
Mr. E.K. Subara maniyam	Traditional Musician,	Assistant Professor	Mirudhangam	6
Mr. T. Balachandar	M.A(His), Traditional Musician,	Assistant Professor	Thevaram	6
Mr. M. Sundar	Thevara Isaimani, Dip. in Music, Traditional Musician,	Assistant Professor	Thevaram	6
Mr. M. Durga Rao	Traditional Musician ("A" Top Grade)	Assistant Professor	Thavil	5

Name	Qualification	Designation	Specialization	No. of Years of Experience
Mr. N. Soma sundaram	Dip. in Music, Traditional Musician,	Assistant Professor	Violin	5
Mr. M. Ramarajan	Dip in Music Traditional Musician,	Assistant Professor	Thavil	5
Mr. B. Lakshmi narasiman	Dip. in Music in Thavil, Traditional Musician,	Assistant Professor	Thavil	5
Mr. R. Balasubara maniyam	Traditional Musician,	Assistant Professor	Thevaram	5
Ms. B. Anusa	Aadalkalaimani Nattuvanga Kalaimani	Assistant Professor	Bharathanatyam	5
Ms. M. Sundari	Isaikalaimani, B. Music, Traditional Musician,	Assistant Professor	Nagswaram	5
Ms. M. Savithri	Isaikalaimani, B. Music, Traditional Musician,	Assistant Professor	Nagaswaram	5
Mr. Ramajayam Bharathi	Traditional Musician (B High Grade)	Assistant Professor	Thavil	4
Mr. S. Hariharan	Isaikalaimani, Traditional Musician,	Assistant Professor	Thavil	4
Mr. K. Venkatesan	B.A. History, Traditional Musician,	Assistant Professors	Nagaswaram	4
Mr. S. Murali	Dip. In Music, B. Com, Traditional Musician,	Assistant Professor	Thavil	4
Ms. D. Anusuya Devi	B.A. (Ind. Music) Traditional Musician,	Assistant Professor	Vocal	4
Mr. T. Selvamuthu kumarasamy	Traditional Musician,	Assistant Professor	Thevaram	4
Ms. R. Rama	Dip. in Music,Nattuvangam	Assistant Professor	Bharathanatyam	4
Mr. K. Prakash	Isaikalaimani Traditional Musician,	Assistant Professor	Nagaswaram	4
Ms. A. Padma kumari	Dip. In Music, T.T.C, Traditional Musician,	Assistant Professor	Vocal	3
Mr. R.P.G. Harisundar Padmanaban	Dip. in Mridangam, Traditional Musician,	Assistant Professor	Mirudhangam	3
Mr. K. Sivaloga nathan	M.A (His), Traditional Musician,	Assistant Professor	Bharathanatyam	3
Mr. M. Krishna kumar	Traditional Musician,	Assistant Professor	Nagaswaram	2

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors - Nil**

**13. Percentage of classes taken by temporary faculty – programme-wise information -Nil**

**14. Programme-wise Student Teacher Ratio**

Programmes	Programmes	Discipline	Students and Teacher Ratio
Title Courses	Isaikalaimani Duration 4 – Years	Vocal	2:1
		Veena	1:1
		Violin	1:1
		Flute	1:1
		Miruthangam	2:1
		Thavil	4:1
		Nagaswaram	4:1
	Thevara Isaikalaimani Duration 4 – Years	Thevaram	3:1
	Nattiyakalaimani Duration 4 – Years	Bharathanatyam	2:1
	Isaichelvamani Duration 2 – Years	Vocal	1:1
		Veena	1:1
		Violin	1:1
		Flute	1:1
		Miruthangam	1:1
		Thavil	3:1
		Nagaswaram	3:1
	Nattuvangakalaimani Duration 1 – Year	Nattuvangam	3:1
Under Graduate	B. Music- Duration 3 – Year	Vocal	1:1
		Veena	1:1
		Violin	1:1
		Flute	1:1
		Miruthangam	1:1
		Thavil	3:1
		Nagaswaram	3:1
	B. Dance- Duration 3 – Year	Bharathanatyam	4:1
Post Graduate	M. Music- Duration 2 – Year	Vocal	1:1
		Veena	1:1
		Violin	1:1
		Flute	1:1
		Miruthangam	2:1
	M. Dance- Duration 3 – Year	Bharathanatyam	3:1
T.T.C in Music	T.T.C in Music Duration 1- Year		2:1
M. Phil.	Music - Duration 1-Year		1:1
Ph. D.	Music & Dance		1:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Actual
Technical Staff	01
Administrative Staff	06

**16. Research thrust areas recognized by funding agencies :-** Music and Dance

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise. :-** Nil

**18. Inter-institutional collaborative projects and grants received a) All India collaboration b) International :-** Nil



**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. :- Nil**

**20. Research facility / centre with - Nil**

- state recognition
- national recognition
- international recognition

**21. Special research laboratories sponsored by / created by industry or corporate bodies :- Nil**

**22. Publications:**

- Number of papers published in peer reviewed journals (national / international) - 119 (Annexure - I)
- Monographs
- Chapters in Books
- Edited Books
- Books with ISBN with details of publishers
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index - range / average
- SNIP
- SJR
- Impact Factor - range / average
- h-index

**23. Details of patents and income generated : Nil**

**24. Areas of consultancy and income generated : Nil**

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: Nil**

**26. Faculty serving in**

a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Our faculty serving in editorial boards of distance education course material books. Our staff members are serving as members of Bharathidasan University, Trichy, Tamil University, Thanjavur, Avinasilingam Deemed University, Coimbatore and University of Madras, Chennai.

**27. Faculty recharging strategies :**

The teachers of the Department have been actively involved as participates and Resource persons of Refresher Course, Orientations course, FDP and other programmes organized by the University.

**28. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities / industry / institute

### 29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows : Nil
- Students

### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Seminar / Workshop	Year
Nada Laya Bharatham - National Seminar	2008
The role of Tamilisai in Music & Dance - National Seminar	2009
Karpathum Karpippathum - National Seminar	2010
Layam - National Workshop	2011
Isai Matrum Nattiyathil Pengalin Pangu - National Seminar	2012

### 31. Code of ethics for research followed by the departments : Nil

### 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
P.G	20	10	8	100%	
U.G	60	48	12	75%	
All other course	40	28	12	60%	

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
P.G	89%	--	--	10%
U.G	70%	--	--	15%
All other course	100%			

### 34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. : Nil

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	35%
PG to M.Phil.	60%
PG to Ph.D.	20%
Ph.D. to Post-Doctoral	--
Employed	
• Campus selection	--
• Other than campus recruitment	87%
Entrepreneurs	

### 36. Diversity of staff

<b>Percentage of faculty who are graduates</b>	
of the same university	45%
from other universities within the State	2%
from universities from other States	--
from universities outside the country	--

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period : -** 3 Ph.D. Awarded

**38. Present details of infrastructural facilities with regard to**

- a) Library -  
Available
- b) Internet facilities for staff and students -  
Available
- c) Total number of class rooms -  
48 Rooms
- d) Class rooms with ICT facility -  
Nil
- e) Students' laboratories -  
Nil
- f) Research laboratories -  
Nil

**39. List of doctoral, post-doctoral students and Research Associates**

a) from the host university : -

1. Ms. Uma Anand ,
2. Ms. Lourdes Shanthi,
3. Ms. Vijayalakshmi Subramaniam

b) from other universities : Nil

**40. Number of post graduate students getting financial assistance from the university? : Nil**

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology : Nil**

**42. Does the department obtain feedback from**

- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
- b. We get feed back form students on and off. The teachers who do not have the desired level of teaching are advised to under go the specialized training and experts.
- c. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
- d. alumni and employers on the programmes offered and how does the department utilize the feedback?

**43. List the distinguished alumni of the department (maximum 10)**

Thiru. K.P. Sivanandam, Traditional Musician – Veena	Thiru R. Pichumani Iyer Traditonal Musician – Veena
Thiru. S.V. Parthasarathi Traditional Musician – Vocal	Thiru G.N. Muthiah Traditional Musician – Veena
Thiru.Satthur. Subramaniyam Traditional Musician – Vocal	Thiru Pudukkottai Krishnamoorthy Traditional Musician – Veena
Thiru B.V. Raman Traditional Musician – Vocal	Thiru K.S. Narayanasamy Traditional Musician – Veena & Vocal
Thiru B.V.Lakshmanan Traditional Musician - Vocal	Thiru Dharmapuram Swaminathan Traditional Musician - Vocal

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Special endowment lectures, 5 days music and dance programmes by popular artistes, seminar are conducted involving external experts for the enrichment of students .

**45. List the teaching methods adopted by the faculty for different programmes.**

Modern teaching aids like multimedia presentations are used for teaching dance and music programmes.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored? :- Nil**

**47. Highlight the participation of students and faculty in extension activities.**

- 12 hours continues dance and music performance for world peace.
- 81 hours continues dance and music programmes performed by staff, students and alumni commemorating 81st birthday of our Pro-Chancellor and also the 81 years completion of our department of music.
- Faculty members visit abroad for conducting classes, workshop and concerts. Many awards and recognitions received by our faculty members.
- Our faculty members participating music and dance festival in National and International
- Our faculty members are accompanying for world reputed musicians and artiste.

**48. Give details of “beyond syllabus scholarly activities” of the department.: -**

Nil

**49. State whether the programme / department is accredited / graded by other agencies? If yes, give details. :-**

Nil

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. :-**

Nil

**51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

### Strength

- Well trained Faculty
- Enjoys a heritage in both vocal & instrumental music
- Does a lot of stage performance in India and Abroad

### Weakness

- Research
- Lacking in expertise in different areas of music
- Attract

### Opportunities

- Attract students from overseas
- Students gain expert

### Challenges

- To become more pluralistic
- Identifying areas of research
- Popularise Carnatic Music

### 52. Future plans of the department.

- To start new programmes such as M. Phil in Dance, Music and Religion, Music and Medicine, Music in Therapy, etc.

## DEPARTMENT OF AGRONOMY

- 1. Name of the Department :** Agronomy
- 2. Year of establishment :** 1958 (As Division) / 1980 (As Department)
- 3. Is the Department part of a School/Faculty of the University?** Yes, Faculty of Agriculture
- 4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

U.G.: B.Sc (Ag.)/B.Sc (Horti) – P.G.: M.Sc. (Ag.) Agronomy – Ph.D.: by research

Course No.	Course Title	Credit Hours		
		Theory	Practical	Total
AGR - 111	Principles of Agronomy and Agricultural Heritage	2	1	3
AGR - 112	Fundamentals of Agricultural Meteorology	1	1	2
AGR - 121	Water Management	1	1	2
AGR - 211	Crop Production -I	0	1	1
AGR - 212	Agronomy of Field Crops - I	2	1	3
AGR - 221	Crop Production -II	0	1	1
AGR - 222	Agronomy of Field Crops - II	2	1	3
AGR - 311	Organic Farming	1	1	2
AGR - 312	Farming Systems and Sustainable Agriculture	1	1	2
AGR - 321	Weed Management	1	1	2
AGR - 322	Post Harvest Technology for Agricultural Crops	1	1	2
<b>Total</b>		<b>12</b>	<b>11</b>	<b>23</b>

### **B.Sc. (Hort.)**

Course No.	Course Title	Credit Hours		
		Theory	Practical	Total
AGR 113	Introductory Meteorology	1	1	2
AGR 122	Introduction to Major Field Crops	2	1	3
AGR 215	Water Management in Horticultural Crops	1	1	2
AGR 324	Weed Management in Horticultural Crops	1	1	2
<b>Total</b>		<b>5</b>	<b>4</b>	<b>09</b>

### **5. Interdisciplinary courses and departments involved**

Hi-tech Horticulture and Organic Horticulture - Department of Horticulture

- 6. Courses in collaboration with other universities, industries, foreign institutions, etc. -** Nil
- 7. Details of programmes / courses discontinued, if any, with reasons :-** Nil
- 8. Annual/ Semester/Choice Based Credit System:** Semester, Choice Based Credit System
- 9. Participation of the department in the courses offered by other departments**

(a) Soil fertility and cropping system, (b) Organic farming, (c) Natural resources management and biotechnology for crop and (d) Biodiversity management.

### **10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned *	Actual **
Professor	01	09
Associate Professors	01	02
Asst. Professors	12	34

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

### 11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. K. Wahab	Ph.D,	Professor & Head	Water Management	32	4
Dr. RM. Kathiresan	Ph.D., D.Sc.,	Professor	Weed management, Farming systems & Agrl. Biotechnology	29	4
Dr. K. Thanunathan	Ph.D	Professor	Soil Fertility and Dry land Agriculture	29	2
Dr. V. Vaiyapuri	Ph.D	Professor	Dry Farming, Crop Management	30	4
Dr. M. Ganapathy	Ph.D	Professor	Soil Fertility and Agro Forestry	27	4
Dr. S. Natarajan	Ph.D	Professor	Agro Meteorology	24	1
Dr. V. Imayavaramban	Ph.D	Professor	Agro forestry	21	1
Dr. A. Sundari	Ph.D	Professor	Weed Management	20	3
Dr. R. Raman	Ph.D	Professor	Post Harvest Technology	20	2
Dr. D. Kalyana sundaram	Ph.D	Associate Professor	Weed Management	19	-
Dr. S. Kandasamy	Ph.D	Associate professor	Post Harvest Technology	15	-
Dr. M. Meyyappan,	Ph.D	Assistant Professor	Irrigation & Agro Forestry	14	-
Dr. P. Sudhakar	Ph.D	Assistant Professor	Agro-Meteorology And Soil Fertility	13	-
Dr. T. Geetha Jebarethnamkuttibai	Ph.D	Assistant Professor	Farming Systems and Weed Management	12	-
Dr. S. Manimaran	Ph.D	Assistant Professor	Agro Meteorology, Nutrient - Management	12	-
Dr. D. Kumari ManimuthuVeerai	Ph.D	Assistant Professor	Organic Agriculture & Natural Resource Management	12	-
Dr. K. Suseendran	M.Sc. (Ag.)	Assistant Professor	Crop Management	12	-
Dr. C. Kalaiyaran	Ph.D	Assistant Professor	Dry Farming, Crop Management	12	-
Dr. M. Thirupathi	Ph.D	Assistant Professor	Cropping system and irrigation	12	-
Dr. R. Krishnamoorthy	Ph.D	Assistant Professor Cum Farm Supdt.,	Crop Production	10	-
Dr. S. Ramesh	Ph.D	Assistant Professor	Soil Fertility	12	-
Dr. S. Krishna Prabu	Ph.D	Assistant Professor	Nutrient Management	12	-
Dr. M. Saravana Perumal	Ph.D	Assistant Professor	Nutrient Management	11	-
Dr. G. Baradhan	Ph.D.,	Assistant Professor	Nutrient Management & Agrometeorology	11	-
Dr. N. Ramesh	Ph.D.,	Assistant Professor	Irrigation Management	11	-
Mr. S.R. Vinod Kumar	M.Sc. (Ag.),	Assistant Professor	Agro- Meteorology And Soil Fertility	9	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. G. Murugan	Ph.D.	Assistant Professor	Weed Management	9	-
Dr. R. Rex Immanuel	Ph.D.	Assistant Professor	Agro Forestry	9	-
Dr. P. Stalin	Ph.D.	Assistant Professor	Nutrient Management	9	-
Dr. P. Anandan	M.Sc. (Ag.)	Assistant Professor	Abiotic Stress Management	10	-
Dr. S. Babu	Ph.D.	Assistant Professor	Post Harvest Technology	10	1
Mr. K.P. Senthil Kumar	M.Sc. (Ag.)	Assistant Professor	Crop Production	10	-
Mr. K. Arivukkarasu	M.Sc. (Ag.)	Assistant Professor	Weed Management	9	-
Dr. S.Elankavi	Ph.D.	Assistant Professor	Nutrient Management	9	-
Dr. J. Nambi	Ph.D.	Assistant Professor	Weed Management	9	-
Dr. S.M. Suresh Kumar	Ph.D.	Assistant Professor	Weed Management & Agro Meteorology	8	-
Mr. C. Ravikumar	M.Sc.(Ag.)	Assistant Professor	Nutrient Management	8	-
Dr. S. Jawahar	Ph.D.	Assistant Professor	Nutrient Management	8	-
Dr. R. Gobi	M.Sc. (Ag.),	Assistant Professor	Crop Management	8	-
Dr.A.Balasubramaniam	M.Sc. (Ag.),	Assistant Professor	Nutrient Management	8	-
Dr. S. Kalaisudarson	Ph.D,	Assistant Professor	Weed Management	7	-
Mr. G. Sivakumar	M.Sc. (Ag.),	Assistant Professor	Soil Fertility	7	-
Mr. A.P. Srinivasaperumal	M.Sc. (Ag.),	Assistant Professor	Weed Management	7	-
Mr. A. Karthikeyan	M.Sc. (Ag.),	Assistant Professor	Crop Production	6	-
Dr. G.B. SudhagarRao	M.Sc. (Ag.),	Assistant Professor	Crop Production	5	-

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:** Nil

**13. Percentage of classes taken by temporary faculty - programme-wise information:** Nil

**14. Programme-wise Student Teacher Ratio:-** M.Sc. (Ag.) -2.1: 1; B.Sc. (Ag.)- 25:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual :**

	Actual
Technical Staff	02
Administrative Staff	05

### **16. Research thrust areas recognized by funding agencies**

1. Participatory farming system models for climate change and disaster management
  - Designing and up scaling participatory farming system models for resilience to climate change and disaster mitigation. The research would design models with optimized component technologies and best suited enterprises for small holder farms which would proffer resilience to climate change and mitigate natural disaster like flash floods, extreme drought and cyclones.
2. Risk Assessment for invasive alien species and Bio-security
  - Risk assessment for invasive alien weeds, evolving management strategies for post entry of such species and tracing their impact on bio security as triggered by changing climate. The proposed programme would also include tracing the invasive behavior of such potential invaders with possible alterations in climatic parameters.



3. Integrated plant nutrient supply for resource management

- Evolving integrated plant Nutrient supply for resource management and production of major crops grown in the coastal tract. This would encompass various strategies such as organic manures, green manuring, bio-fertilizers, slow release fertilizers and inorganic fertilizer.

4. Participatory assessment of the impact of farm mechanization on crop productivity and livelihoods of farmers

- Impact assessment of farm mechanization on farm productivity and livelihoods of small and marginal farmers.

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Name of Project	Principal Investigator/ Co-investigator	Funding Agency	Duration	Rs. (Lakhs)
Farming systems for livelihood security of small and marginal farmers in disadvantaged districts of T.N	Dr.RM.Kathiresan Professor Dept. of Agronomy	ICAR – NAIP	2008-2014	965.00
From QTL to variety. Marker assisted breeding for submergence and salts to tolerance	"	DBT Ministry to Science & Tech.	2010-2015	60.00
Evolving suitable alternate crop with appropriate agro-techniques to replace rice during Kuruvai season under resource constraints conditions for the Cauvery Delta Region	Dr. R. Raman	UGC	2012-2015	11,17,800.00
Evaluation of Bio-efficacy and phytotoxicity study of Topramezone + Atrazine (Tank mix) against weeds in Maize and its effect on succeeding crop.	Dr. R. Raman	Pvt. Company	2012-2014	2,40,000.00
Evaluation of Bio-efficacy and phytotoxicity study of pendimethalin 38.7% CS (stomp xtra) against weeds in transplanted rice and its effect on succeeding crop.	Dr. R. Raman	Pvt. Company	2012,-2014	3,00,000
Bio efficacy & phototoxicity studies of ICH – 110 against weed compluse inj nursery of as post emergence application in transplanted + direct seeded rice.	Dr. P. Sudhakar	Pvt. Company	2013 - 2014	2,24,250.00
Bio efficacy + phytotoxicity studies of progibh 40% WSE on rice based cropping system	Dr. P. Sudhakar	Pvt. Company	2013 - 2014	3,60,000.00
Sustainable Agriculture Goat – Maize + marigold farming for biological pest suppression	Dr. T. Geetha Jebarathanm	Pvt. Company	2011-2014	9,04,800.00
Bio efficacy studies of new herbicides viz., Logran 20 wg in rice and calaries xtra 275 sc Sugarcane for weed control with succeeding crop.	Dr. S. Manimaran	Pvt. Company	2013 - 2014	5,04,000.00
Soil moisture sensor based automatic drip irrigation on sugarcane	Dr. N. Ramesh	UGC	2012-2015	10,43,800.00
Evaluation on Non-Pesticidal cultural method (soil Solarization) for Chillies (Capsicum annum)	Dr. S. M. Suresh Kumar	UGC	2012-2015	9,93,800.00

### i) Research Projects Completed

Name of Project	Principal Investigator/ Co-investigator	Funding Agency	period	Rs. (Lakhs)
Dr.G. Kuppaswamy Professor	Setting up of model organic farm in coastal agro-eco system	Ministry of Agriculture, Govt. of India	2006-2009	8.0
Dr.RM.Kathiresan Professor	National Invasive Weed Surveillance	NRCWS, ICAR	2008 - 2010	21.604
-do-	Evaluation of new herbicides	Bayer Crop Science Limited	2009 - 2010	1.95
-do-	Cellulose Nano fibres from aquatic weeds	DBT, Govt. of India	2007-2010	30.00
-do-	Control of water hyacinth through herbicides and its impact on aquatic environment" from	Ministry of water resources	2009-2012	29.96
Dr. M. Ganapathy Professor	Empowering women with vermicompost technology as an alternate livelihood security in the coastal areas of northern Tamil Nadu	DBT, Govt. of India	2007-2010	19.74
Dr. A. Sundari, Professor	Utilization and recycling of farm, industrial and urban soil wastes as eco-friendly approach for augmenting yield maximization in Cauvery delta region.	Ministry of Environment & Forestry	2008-2011	12.50
Dr.A.Sundari, Professor	Biology and management of weeds in maize based intercropping system in Cauvery delta region	UGC	2007-2009	3.51
Dr.A.Sundari, Professor	Management of Cyperus rotundus (nut-sedge) in gardenland cropping	UGC	2011 - 2014	8.688
Dr.R.Raman, Professor	Evaluation of bio efficacy and phytotoxicity of herbicide pendimethalin 38.7 CS	BASF	2008-2010	1.60
Dr.(Mrs). D.K. Mani muthuveeral Assistant Professor	Evaluation of direct and residual effect of lignite flyash a by-product of thermal unit in rice based cropping system of Cauvery delta region	UGC	2009-2012	9.81
Dr. G. Baradhan Assistant Professor	Bio-functional enhancement of industrial solid waste and agro-industrial wastes for utilization in Crop Production	UGC	2009-2012	5.80
Dr.S.M.Sureshkumar, Asst. Professor	Continuous effect of non pesticidal cultural practice on the soil fertility status of Cauvery delta region	UGC	2008 - 2010	0.68

Other Minor research Projects sanctioned by AICORPO, AICRIP, Ministry of Agriculture, Govt. of India, TNSCST, Private companies *Viz.*, Sri Ramicides Private. Ltd, Bayer and BASF to a tune of **Rs. 5 Lakhs** has been completed during last five years.

### 18. Inter-institutional collaborative projects and grants received

#### a) All India collaboration b) International

The Department of Agronomy has been taking up innovative research programmes in collaboration with global and national organizations / institutes.

#### International Collaborations

- Collaborating with FAO, United Nations in Weed Risk Assessment and Invasive characters of weeds under changing climate.

- Collaborating with International Rice Research Institute, Philippines, in screening submergence tolerant rice, from 2010 through Stress Tolerance Rice for Poor Farmers in Africa and South Asia (STRASA) and International Fund for Agricultural Development (IFAD).
- Collaboration with Institute for Arable Crops Research, Rothamsted Experimental Station, U.K. for research on herbicidal properties of *Coleus amboinicus* for use in aquatic systems.
- Collaboration with Natural Product Research Centre, United States Department of Agriculture, USA for research on Allelopathy of certain weed species for commercial exploitation as herbicides.
- Collaborating with Ministry of Agriculture, Iraq for training six of its scientists in water hyacinth bio-control.
- Collaborating with Charles Sturt University, Australia in training three of its personnel in climate resilient farming system.

#### **National Collaborations**

- National Institute of Technology (Trichy) and International Institute of Bio-technology and Toxicology (Chennai) for extraction of Cellulose Nano Fibers during 2007 – 2010.
- Dhan Foundation, Madurai, Vedhapuri KVK and BMT KVK of Tamil Nadu for livelihood security in disadvantaged districts of Tamil Nadu during 2008 – 2012.
- The Department of Agronomy has collaborated with other department *Viz.,*

#### **19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.**

FIST	from DST	-	Rs. 30,00,000/-
Non - SAP	from UGC	-	Rs. 30,00,000/-
SAP	from UGC	-	Rs. 43,50,000/-

#### **20. Research facility / centre with**

- state recognition
- national recognition
- international recognition
  - NAIP - Training Hall
  - Laser Guided Land Leveler
  - Bio-control of water hyacinth facility is available
  - Bio-gas production research facility is set up
  - Vermicomposting facility is available
  - Farming system facilities are available

#### **21. Special research laboratories sponsored by / created by industry or corporate bodies :- Nil**

#### **22. Publications:**

- Number of papers published in peer reviewed journals (national / international)- 149 (Annexure -I)
- Monographs - -

➤ Chapters in Books - 5

Author	Chapter Title	Book Title	Publisher	Year
Dr. RM. Kathiresan, Professor of Agronomy	Utility of Weeds and their relatives as resources in India	Utility of Weeds and their relatives as resources	Kyungpook National University, Korea	2007
	Effect of global warming on invasion of alien plants in Asia	Climate change and Biodiversity	Institute of Chartered Financial Analysts of India	2008
	Components integration in small holder farms for sustainability	Advances in Environmental Research (Vol. 12)	Nova Science publishers, Inc 400	2010
Dr. M. Thiruppathi, Asst. Professor in Agronomy	Effect of grain cowpea intercropping in castor	Legumes - Their production, improvement and protection	Sathish serial publishing house, Delhi	2009
	Evaluation of economically viable rice - based cropping system and land resource use under late water receipt situation in the tail end Cauvery deltaic zone	Challenges to sustainable agri - food systems	IK international publishing house Pvt. Ltd. Bangalore	2007

➤ Edited Books

➤ Books with ISBN with details of publishers - 20

Author	Book title
Dr. RM. Kathiresan, Professor of Agronomy	"Component integration in small holder farm" LAMBERT Academic publishing AG & CO. Germany.
Dr. S. Manimaran, Dr. G. Baradhan Dr. SM. Suresh Kumar, Dr. N. Ramesh	Hand Book on Practical Agricultural Meteorology
Dr. G. Baradhan, Dr. S. Manimaran Dr. SM. Suresh Kumar, Dr. N. Ramesh	Practical Hand Book on Principles of Agronomy
Dr. SM. Suresh Kumar, Dr. S. Manimaran Dr. G. Baradhan, Dr. N. Ramesh	Text Book on Agricultural Meteorology
Dr. S. Manimaran, Dr. G. Baradhan Dr. SM. Suresh Kumar Dr. N. Ramesh & Dr. S. Elankvai	Introduction to Agronomy
Dr. D. Kumarimanimuthuveral	A Text Book on Agrl. Heritage of India ISBN 978-81-2321-270-0 (2013)
Dr. K. Suseendran, Dr. C. Kalayarasan, Dr. S. Jawahar	Water Management and Practical Manuals on Irrigation and Dry Farming, ISBN No.978 - 93-81236-12-3, Velan Pathippagam, Chidambaram.
Dr. C. Kalayarasan, Dr. S. Jawahar Dr. K. Suseendran	Agronomy of field crops (Vol.I), ISBN No. 978-93-81236-19-2, Velan Pathippagam, Chidambaram.
Dr. S. Krishnaprabu Dr. G. Murugan	Agronomic Management Practices for Field Crop Production
Dr. S. Krishnaprabu Dr. G. Murugan	Water Management and Crop Production
Dr. A. Sundari Dr. S. Kalaisudarson Mr. AP. Srinivasaperumal	Hand Book on Practical Weed Management
M. Thiruppathi R. Rex immanuel	Irrigation Management and Dry Farming Technologies
Dr.V.Vaiyapuri, Dr.S.Jawahar, Dr.C.Kalaiyaran and Dr.K.Suseendran	Principles of Agronomy and Agricultural Heritage
Dr. M. Meyyappan	Water Management

Author	Book title
Dr. P. Sudhakar and Dr.S. Ramesh	Scientific Production of Commercial Crops
Dr. P. Sudhakar and Dr.S. Ramesh	Agronomy of cereals, millets and pulse
Dr.S.Jawahar, Dr.C.Kalaiyaran and Dr.K.Suseendran	Agronomy of field crops I
Dr.C.Kalaiyaran, Dr.S.Jawahar and Dr.K.Suseendran	Agronomy of field crops II
Dr.S. Krishnaprabu	Scientific Production of field Crops
	Rice Crop Production

- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) - \_\_\_
- Citation Index - range / average - 163
- SNIP - -
- SJR - --
- Impact Factor - range / average - 1.331
- h-index - -

### 23. Details of patents and income generated

The department has filed a patent application for extraction of cellulose nano fibers from water hyacinth jointly with IIBAT, Chennai, through DBT, Ministry of Science and Technology, GOI. (File No. 62/10 of DST dated 11.08.2010)

### 24. Areas of consultancy and income generated

Principal Investigator / Co P.I.	Title of the Project	Duration	Funding Agency	Amount (Rs. in Lakhs)
Dr.RM.Kathiresan Professor, Department of Agronomy	Evaluation of new herbicides	2007-2012	Bayer Crop Science Limited	13.87

### 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad - Nil

### 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Dr. RM. Kathiresan, Professor

- Chief Editor of Indian Journal of Weed Science.
- Editor of Indian Society of Weed Science Newsletter
- Referee / Reviewer for International Journals viz., Allelopathy Journal, Weed Technology, Weed Research.

Dr. (Mrs.) A. Sundari, Professor

- Editorial Board Member in Green Farming and International Journal of Agricultural Science.

Dr. G. Baradhan, Assistant Professor

- Editorial Board Member in Plant Archives International Journal.

Dr. S. Jawahar, Assistant Professor

- Editor in Life Sciences leaflets
- Reviewer for World Applied Science Journal, International Research Journal of Chemistry and Advanced Journal of Agricultural Research

## 27. Faculty recharging strategies

Faculties are periodically deputed for

- Participate in training / refresher workshops
- Availing fellowships courses etc in other institutes.

Faculties are rotationally assigned with varied co-curricular and administrative assignments.

## 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects - Nil
- percentage of students doing projects in collaboration with other universities / industry / institute- 10%

## 29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

Name	Title	Year
Dr. RM. Kathiresan, Professor	Srilochani Varadarajulu Endowment, Best Research Paper Published Award, Annamalai University	2007
	Best Researcher, Annamalai University	2008
	Dr. S. Kannaiyan Endowment, Best Researcher Award, Annamalai University	2009
	Best Research Project Award – NAIP – ICAR, Government of India New Delhi	2010
	Meritorious Contribution to National Invasive Weed Surveillance	2011
Dr. S. Jawahar, Asst. Prof.	"Fellow of Life Sciences leaflets" (An International Research Journal) Paavan Education Trust's, Gujarat.	2013

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Name of the organizer	National / International conferences, workshops	Date and Venue	eminent scientists/scholars participated
Dr. RM. Kathiresan, Professor	FAO – Regional Training Workshop for Asia on Weed Risk Assessment	25th to 28th September, 2007 in collaboration with FAO of United Nations, Rome at Annamalainagar	1. Dr. Ricardo Labrada Romero, Weed Officer FAO. 2. Dr. Chaxian Zhang, Director, CAAS, China 3. Dr. Yohiharu Fujii, Project Leader, Japan.
Dr. G. Murugan & Dr. S. Babu	Organized National seminar on Sustaining the food and National Security through processing and preservation of foods. In collaboration with IICPT	18th and 19th March 2009.	Dr. Jayaraj, Director, TRRI, Aduthurai.

Name of the organizer	National/ International conferences, workshops	Date and Venue	eminent scientists/scholars participated
Dr. N. Ramesh, Assistant Professor	National Seminar on Sustainable Food supply, Agro biodiversity and Rural Livelihoods (SFARL)	18th and 19th February, 2010 UGC sponsored National Seminar at Annamalainagar.	Dr. R. Thiyagarajan Director, Tamilnadu Vet. And Animal Science University  Dr. S. Reena Professor and Head Kottarakkara
Dr.RM.Kathiresan, Professor	Release of Documentary film on Farming Livelihoods.	February, 2011, Annamalai Nagar.	Dr. Robert Zeigler, Director General, international Rice Research institute, Philippines
Dr.RM.Kathiresan, Professor	National Seminar on Farming System (NSFA) Department of Agronomy	March, 2013	Dr. R.K. Sarkar, Director and Dean Calcutta University, West Bengal.
Dr. S. Kandasamy, Dr. M. Meyyappan & Dr. S. Jawahar	National Seminar on Integrated Approaches for Sustainable Agriculture	27th March, 2014 UGC-SAP sponsored National Seminar at Department of Agronomy, Annamalainagar.	Dr. R. Rajendran Director, TRRI, Aduthurai.

### 31. Code of ethics for research followed by the departments

The faculties in the department are committed to undertaking research with scientific integrity and the students are encouraged to take up research on the current problems faced in the field following the latest techniques and standard procedures. Also, the research is taken up in conformity with the accepted code of principles on Good Research Practices (GRP).

### 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc (Ag.) Agronomy	79	43	10	99	100
Ph.D. (Agronomy)	02	01	-	100	100

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. (Ag.)	60	15	10	5

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.:** - NET/ SET- 6 Nos.

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	30 %
PG to M.Phil.	-
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	30%
• Other than campus recruitment	25%
Entrepreneurs	15%

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	86%
from other universities within the State	11%
from universities from other States	2
from universities outside the country	-

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period :-** D.Sc. : 1, Ph.D. : 42

### 38. Present details of infrastructural facilities with regard to

- |   |   |                       |
|---|---|-----------------------|
| a) Library                                    | - | Well Equipped Library |
| b) Internet facilities for staff and students | - | 4                     |
| c) Total number of class rooms                | - | 7                     |
| d) Class rooms with ICT facility              | - | 1                     |
| e) Students' laboratories                     | - | 1                     |
| f) Research laboratories                      | - | 1                     |

### 39. List of doctoral, post-doctoral students and Research Associates

a) from the host university : Doctoral - 42

Scholar	Scholar	Scholar
R. Kandasamy	P. Sudhakar	R. Shobana
M.R. Ramanathan	P.H. Latif	M. Saravanaperumal
R. Shanmugavadivu	S. Ramesh	G. Murugan
S. Manimaran	R. Krishnamoorthy	G. Anu Lavanya
M. Thiruppathi	M. Meyyappan	M.V. Jyothish Kumar
S. Krishaprabu	R. Rex Immanuel	J. Indirajith
Ms. T.Geetha Jebarathnam Kuttibai	P. Stalin	K. Suseendran
S. Kandasamy	M.P. Arul Chezhan	Manoj Omman
S. Kalaisudarson	H. Mariyappan	V. Aravinth
S.M. Shahul Hameed	K. Manoharan	P. Anandan
C. Kalaiyarasan	J. Nambi	A. Balasubramanian
G. Baradhan	S. Elankavi	G.B. Sudhagar Rao
Ms. D. Kumarimanimuthuveeral	S. Jawahar	S. Deivasigamani
N. Ramesh	S. Jayaram	R. Gobi

b) From other universities - Nil

**40. Number of post graduate students getting financial assistance from the university? :-** Six (6)

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. - ---**

### 42. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? -

Yes, The feedback is used for improvement in curriculum development and syllabus modification.



**b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Yes, Feedback is obtained from the students. The feedback is used for improvement in curriculum development and syllabus modification. It is helpful for further development of institution so as to ensure quality of students in teaching, research and extension activities. Informal feedback is obtained from employers.

**c. Alumni and employers on the programmes offered and how does the department utilize the feedback? -**

It is helpful for further development of institution so as to ensure quality in teaching, research and extension activities.

**43. List the distinguished alumni of the department (maximum 10)**

Name	Designation
Dr.RM. Kathiresan	Former Dean, Faculty of Agriculture, Annamalai University
Dr. S. Nannabatcha	GM. Rasi Seeds, South India
Dr. Rajasekar	Director, Sakthi Sugar, South Africa.
Dr. S.P. Ramanathan	Professor & Head, Extension, TNAU
Dr. R.Vaidyanathan	Professor & Head Regional Research station, Virudhachalam, TNAU
Dr. G. Manickam	Professor & Head Agricultural Research station, Tirurkuppam, TNAU
Dr. Babu Mathew	Professor, Kerala Agricultural University, Vellayani, Thiruvananthapuram.
Dr. R. Marimuthu	Head, Rover KVK, Perambalur
Dr. Arulchezian	Regional Manager BASF Ltd.

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Dr. RM. Kathiresan, Professor

- Organized FAO - Regional Training Workshop for Asia on Weed Risk Assessment during 25<sup>th</sup> to 28<sup>th</sup> September, 2007, in collaboration with Food and Agriculture Organization of United Nations, Rome at Annamalainagar.
- Organized a session on Spotlight on global weeds in the Fifth International weed Science Congress at Vancouver, Canada during 23<sup>rd</sup> to 27<sup>th</sup> June 2008, in collaboration with FAO, Rome.
- UGC sponsored National Seminar on Sustaining Food Supply, Agro Biodiversity and Rural Livelihood (SFARL, 2010) organized by Department of Agronomy, Faculty of Agriculture during February 18<sup>th</sup> & 19<sup>th</sup>, 2010.

Dr. G. Murugan & Dr. S. Babu

- Organized National seminar on Sustaining the food and National Security through processing and preservation of foods. In collaboration with IICPT on 18<sup>th</sup> and 19<sup>th</sup> March 2009.

Dr. S. Kandasamy, Dr. M. Meyyappan & Dr. S. Jawahar

- Organized UGC - SAP Sponsored National Seminar on Integrated Approaches for Sustainable Agriculture (IASA, 2014) on 27<sup>th</sup> March, 2014.

#### **45. List the teaching methods adopted by the faculty for different programmes.**

Group Discussion, Brain storming methods, Seminar classes and written assignment works. The learning is made student centered by making students participate in teaching learning process through question and answer and discussion. Students are made to prepare assignment on specific topics using reference books, journals and Internet facility offered in the library.

List of participatory learning activities adopted by the Department.

- Assignments on specific topics for self-study.
- Seminar with effective use of audiovisuals and improving communication skills.
- Project report preparation and submission

Providing training to the students in respect of establishment and maintenance of Integrated Farming System, Bio-tech park, food park etc.,

Apart from class room lecture, the students are to present seminars on the thrust areas of the subjects. This facilitates effective interactions among the fellow students. This also creates confidence to face the audience and preparedness to answer the queries effectively. As a component of practical, field experiments are assigned to the students to test and verify the efficacy of new technologies and are advised to draw their inferences.

#### **46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Output evolved from student seminars, their contribution in farmers – scientist meet, feedback from employing agencies, alumnus feed back during alumni meet etc. are used as tools to measure these parameters.

#### **47. Highlight the participation of students and faculty in extension activities.**

Farmer's consultancy service is done regularly. Farmers facing agricultural problems used to contact and consult the experts concerned and get remedies in person and by mail. Water samples from bore wells, tanks, wells, etc., brought by the farmers of nearby villages were analysed for various quality parameters such as EC and pH. The team of subject specialists used to make farm and home visits.

Our staffs are regularly invited as subject specialists / experts by Centre for Rural Development, Annamalai University for popularizing newer technologies of crop production in nearby villages. Every year, Farmers day is conducted and problems faced by the farmers in crop production are thoroughly discussed and suitable technology is suggested to remedy the soil and plant related constraints. New crop varieties and innovative technology developed are also exhibited / demonstrated for the benefit of farmers.

#### **48. Give details of "beyond syllabus scholarly activities" of the department.**

- The department has filed a patent application for extraction of cellulose nano fibers from water hyacinth jointly with IIBAT, Chennai, through DBT, Ministry of Science and Technology, GOI. (File No. 62/10 of DST dated 11.08.2010)
- Produced a Documentary film on Farming Livelihoods, that was released by Dr. Robert Zeigler, Director General, international Rice Research institute, Philippines during Feb., 2011.
- Developed an innovative biological control strategy for water hyacinth with the Indian medicinal plant, *Coleus ambonicus*.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. --**

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The department has been implementing the prestigious National Agricultural Innovation Project for sustainable rural livelihood security in disadvantaged districts of Tamilnadu with an outlay of Rs. 9.65 Crores, sponsored by World Bank and ICAR.
- The Project was awarded to this department out of a competitive mode that involved nearly 600 concept notes (from premier institutions like TNAU, IIT, Anna University, etc.,) out of which only 36 were selected.
- Among the 36 projects implemented across the country, this project is ranked as the best by World Bank and ICAR during 2011.
- This project addresses 2400 farming households spread over 12 clusters, each comprising three villages.
- The target area covers all the four disadvantaged districts of Tamilnadu *viz.* Cuddalore, Nagapattinam, Villupuram and Thiruvannamalai.
- The key interventions of this project *viz.* Rice + Fish + Poultry farming in wetlands Goat + Crop in rainfed uplands and seaweed culture in coastal shore have been accepted by state planning commission for incorporation in their policy for adoption during the five year plan.
- The department is collaborating with international rice research institute of Philippines, in screening submergence tolerant rice and is a partner in a national network project of DBT in transferring submergence tolerant QTL to rice varieties.
- The department's expertise in invasive alien weeds has been globally recognized as is evident from the department organizing regional training for Asia by Food and Agriculture Organization of United Nations Rome during 2007. This training imparted training for the government representatives of all Asian countries.
- Further the departments expertise was also utilized in a consultancy to FAO on invasive traits of weeds under global climate changes.
- The department was collaborating with premier institutions like United States Department of Agriculture Mississippi, USA and Rothamsted Experimental Station, U.K in commercial exploitation of medicinal herbs for their herbicidal properties.
- The department was imparting training to a team of experts from Iran, in integrated bio-control of water hyacinth.
- The department has imparted training to a team of scientists from Charles Sturt University, Australia in designing Integrated Farming Systems.
- The department has also been actively involved as nodal centre by the State Government in raising mass awareness on invasive alien weeds like *Parthenium hysterophous* and *Prosopis juliflora*.
- The department has been leading in research with regard to tissue culture of agro forestry tree species, soil solarization, biological control of weeds *etc.*
- This department has generated research funds to attune of Rs. 10 crores during the last five year plan.

## 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

### Strength

- National & global collaborative links and exposure to faculty members in academia.
- Good infrastructure like library laboratory field facilities, and hi-tech lecture halls.
- Refereed and internationally cited publications and reputed research projects output and out come.
- High student diversity
- Annamalai Agronomists Association offering platform for periodic alumni-faculty student interaction.

### Weakness

- Not being accredited by ICAR.
- More field oriented curriculum restricting participation of soft natured and intelligent girl students.
- Lack of extreme climatic conditions such as dry farming tracts, that hampers practical hands on experience in dry farming.
- Storage of expertise in mathematical modeling concepts which is pressing for publishing in high impact factor journals.
- Being a rural department, more expectation to serve local needs of farming.

### Opportunities

- To involve in varied agro ecological strategies for alleviation of climate change *viz.*, climate resilient farming systems, invasive alien weeds alternative cropping, stress tolerant crops etc.
- To offer expertise in weed risk assessment and management strategies for problem weeds.
- To contribute research output for linking environment, agriculture and livelihoods and in poverty alleviation.
- To offer new courses in coastal agriculture and climate resilient farming, with international collaborations.
- To offer farm science courses to farming youths.

### Challenges

- Integrating advanced multidisciplinary sciences such as biotechnology and nanotechnology in agronomy courses and research.
- Infrastructure requirements for vital research as linking environment, agriculture and livelihoods
- Aptitude for participatory research from among the development partners *viz.*, farmers
- Popularizing innovative causes like coastal agriculture and climate resilient farming.
- Creation of scope for course on farm science.

## 52. Future plans of the department.

- Climate resilient cropping and farming systems.
- Nano-fibers from weeds and agro-waste.
- Impact of climate change on invasive alien species in northern Coastal districts of Tamilnadu.
- Improved crop management techniques and ITK in the context of climate change.
- Participatory farming system models for climate change and disaster management.
- Risk Assessment for invasive alien species and Bio-security.
- Integrated plant nutrient supply for resource management.
- Participatory assessment of the impact of farm mechanization on crop productivity and likelihoods of farmers.

## DEPARTMENT OF ENTOMOLOGY

**1. Name of the Department :-** Entomology

**2. Year of establishment:** 1958 (As Division) /1980 (As Department)

**3. Is the Department part of a School/Faculty of the University?** Yes, Faculty of Agriculture

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

Ph.D. Entomology;                      M.Sc. (Ag.) Entomology;                      B.Sc. (Ag.) / (Horti.)  
Diploma in Commercial Entomology; Diploma in Urban Pest Management

**5. Interdisciplinary Courses and Departments involved**

P.G Diploma in Plant Protection;                      Diploma in Biopesticides Production Technology  
Departments involved: Entomology, Agronomy, Pathology

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.:-** Nil

**7. Details of programmes / courses discontinued, if any, with reasons** Nil

**8. Annual/ Semester/Choice Based Credit System**

The Institute follows Semester System

**9. Participation of the department in the courses offered by other departments** Nil

**10. Number of teaching posts sanctioned and filled (Professors /Associate Professors /Asst. Professors)**

	Sanctioned *	Actual**
Professor	01	3
Associate Professors	01	-
Asst. Professors	06	17

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

**11. Faculty profile with name, qualification, designation and specialization (D.Sc. /D.Litt. / Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr.Y. Hariprasad Prof. & Head	Ph.D., MBA	Professor & Head	IPM, Economic Entomology	26	1
Dr.V. Selvanarayanan (Relieved from the Department to joined as Deputy Controller of Examinations on Aug. 23, 2013)	Ph.D.	Professor	Host Plant Resistance, Microbial Control of pests	21	4
Dr.S. Manickavasagam	Ph.D., PDF (London)	Professor	Taxonomy of Parasitoids, Biological Control	20	3
Dr.S. Arivudainambi	Ph.D.	Professor	Herbal Insecticides, Insecticide Toxicology	19	5

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr.R.Kannan	Ph.D.	Asst. Professor	Nematode Management / Bio Pesticides	13	-
Dr.T.Selvamuthukumaran	Ph.D.	Asst. Professor	Toxicology, Botanical Insecticides	12	-
Dr.B. Ananda Ganesa Raja	Ph.D.	Asst.Professor	Biopesticides	11	-
Ms.S.Pushpalatha	M.Sc.(Ag.)	Asst. Professor	Taxonomy of parasitic Hymenoptera	11	-
Dr.C. Kathirvelu	Ph.D.	Asst. Professor	Storage Entomology, Taxonomy of parasitic Hymenoptera	11	-
Capt. Dr. R. Kanagarajan	Ph.D.	Asst. Professor	Taxonomy of parasitic Hymenoptera	11	-
Dr.Chand Asaf	Ph.D.	Asst. Professor	Host Plant Resistance, Biopesticides	10	-
Mr.M. Ramanan	M.Sc. (Ag.)	Asst. Professor	Botanical Pesticides	10	-
Mr.A.Amala Hyacinth	M.Sc. (Ag.)	Asst. Professor	Host Plant Resistance and Bee Keeping	10	-
Dr.R.Ayyasamy	Ph.D.	Asst. Professor	Insecticide Resistance Management	9	-
Dr.N.Muthukumaran	Ph.D.	Asst. Professor	Host Plant Resistance	8	-
Dr.V. Sathyaseelan	Ph.D.	Asst. Professor	Integrated Pest Management	8	-
Ms.T. Rani	M.Sc.(Ag.)	Asst. Professor	Botanicals in Pest Management	7	-
Dr.M.Senthilkuamar	M.Sc.(Ag.)	Asst.Professor	Microbial Pesticides	6	-
Dr.T. Nalini	Ph.D.	Asst. Professor	Taxonomy of Parasitoids	6	-
Mr.M. Pazhanisamy	M.Sc.(Ag.)	Asst. Professor	Integrated Pest Management	6	-
Mr.A. Sivaraman	M.Sc.(Ag.)	Asst. Professor	Integrated Pest Management	5	-

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors - Nil**

**13. Percentage of classes taken by temporary faculty – programme-wise information – Nil**

**14. Programme-wise Student Teacher Ratio**

2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
2:0.53	1:0.4	2:0.5	10:1.5	2.5:1.2	2.5:1.2	1:2.5

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled - Administrative Staff - 17 (Actual)**

**16. Research thrust areas recognized by funding agencies**

Sericulture and apiculture; Host plant resistance; Parasitoid taxonomy;  
 Botanical insecticides; Nematode management; Storage entomology;  
 Mycoinsecticides; Insecticide toxicology;

**17. Number of faculty with ongoing projects from a) national b) international funding agencies c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

On - Going Projects

Title of Project	Source of Funds	Amount Lakhs	Duration (from-to)
Development of shoot Webber resistant sesame line through mutation breeding	DST, New Delhi	11.46	2011- 14
Bioefficacy, phytotoxicity and residue studies of Oxyflourfen on rice, groundnut, Mentha and potato	M/s Willowood chemicals Pvt. Ltd., New Delhi	11.50	2011-14
Bioefficacy, phytotoxicity and residue studies of Metribuzin 70% WP on sugarcane, wheat and soybean weeds	M/s Willowood chemicals Pvt. Ltd., New Delhi	5.00	2011-13
Bioefficacy, phytotoxicity and residue studies of Fenoxaprop-p-ethyl on rice, blackgram and soybean weeds	M/s Willowood chemicals Pvt. Ltd., New Delhi	5.00	2011-13
Development of shoot webber resistant sesame line through mutation breeding	DST, New Delhi	11.46	2011- 14
Bioefficacy of Cypermethrin against insect pests of Cotton, Brinjal and sunflower	M/s Krishi Rasayan Exports Pvt. Ltd., New Delhi	2.50	2012 - 14
Bioefficacy, phytotoxicity and residue analysis of Bifenthrin, Acephate, Thiodicarb, Carbendazim, Glyphosate and Paraquat dichloride against pests of various crops	M/s KrishiRasayan Exports Pvt. Ltd., New Delhi	18.45	2012 - 14
Seri-Lac culturing for Income Augmentation	Indian Institute of Natural Resins & Gums, Ranchi, (ICAR)	2.78	2012-14
“Development of cheaper and eco - friendly myco - insecticide for effective management of major Pests in Rice”	University Grant Commission, New Delhi	8.40	2013-16
Field Evaluation of NC - 129 (20% WP) against sucking pests (Whitefly) in cotton	Godrej Agrovet Mumbai	2.00	2013-15
Evaluation of Emamectin Benzoate 5% G on cotton and wheat	M/s Willowood chemicals Pvt.Ltd. New Delhi	5.00	2013 -15
Formulating botanical fumigant tablets as an alternative to synthetic fumigants for sustainable management of certain stored grain insect pests.	University Grants Commission, New Delhi	10.87	2013-16
Evaluation trial on Testing of New Insecticides viz., diafenthuiuron 50w / 50 Sc against sucking pests in watermelon and cotton and Lambacyhlothrin 5CS against pest complex in pomegranate	Syngenta Pvt. Ltd., Coimbatore	5.40	2013-14
Bioefficacy ann Phytotoxicity studies of Metarhizium anisopliae, Beauveria bassiana, Verticillium lecanii, on BPH, Whitefly and Helicoverpa armigera on Tomato and Rice	M/s. Stanes Company Ltd. Coimbatore	1.88	2014-16
Evaluation of GA technical, Ethephon and Triazophos on various crops	M/s.Krishi Rasayan Exports Pvt. Ltd., New Delhi	20.00	2014-16
Biodiversity and conservation of butterfly and moth fauna in Tamil Nadu with special emphasis on the Eastern Ghats”	Science & Engineering Research Board(SERB) (DST, Govt. of India)	20.00	2014-2016
	<b>Total</b>	<b>141.70</b>	

## C. Research Project completed

Project - Title	Funding Agency	Out lay Lakhs	Period
DST - Flyash Project. Use of Flyash as a Carrier in Pesticide formulation	Ministry of Science & Technology, Govt. of India, New Delhi	26.50	2006- 11
AU-NLC- VCRC collaborative project 'Development and use of Flyash based pesticides'	Ministry of Coal Govt.of India, New Delhi.	80.00	2007-11
Studies on bio - efficacy of some biopesticides against major pests of vegetables	M/s. Stanes Company Ltd. Coimbatore	1.64	2007-09
Evaluation of Milk weed plant, Calotropis spp. For protection against key pests of rice and cotton	UGC, New Delhi	3.48	2007-09
Bioefficacy of <i>Beveria bassiana</i> against <i>H. armigera</i> in Chickpea	M/s. Biotox , New Delhi	0.30	2007-08
Development, dissemination and popularization of location-specific IPM strategies in different rice agro ecosystems	National Centre for Integrated Pest Management, Ministry of Agriculture, Govt. of India.	1.30	2008-09
Testing of <i>Verticillium lecanii</i> 1.5% A.S. liquid formulation (Strain: SSBT-UL-01) under field conditions for bio control of mealy bugs and scales on citrus crop	Shree Shiva Bio Tech.	0.55	2008-09
Bio efficacy of Spinetoram 12% SC W/V (11.7% W/W) against chillies pest.,	Dow Agro Sciences, India Pvt.Ltd., Mumbai	0.90	2008-09
Bioefficacy, phytotoxicity and Residue data with Buprofenzin 25% SC	M/s. KrishiRasayan Exports Pvt. Ltd., New Delhi	3.00	2008-09
Residue studies with GA 10% SL on Grapes	M/s. Krishi Rasayan Exports Pvt. Ltd., New Delhi	2.50	2009-10
Testing of <i>Metarhizium anisopliae</i> 1.15% WP Formulation (Strain No.: NCIM-1311) under laboratory and field conditions for Bio-control of Termites & Root Grubs in Groundnut crop.	Bio tox, New Delhi	2.15	2009-10
Laboratory Bio - efficacy (bioassay) study on <i>Metarhizium anisopliae</i> 1.0% w.p. formulation (kalichakra) [strain no: ipl/kc/44] against Brinjal shoot and fruit borer ( <i>Leucinodes orbonalis</i> )	Bio tox, New Delhi	0.55	2009-10
Faunistic survey of Encyrtids in Tamilnadu and their utilization in the Management of mealy bug pests of important Agricultural and Horticultural crops	University Grants Commission, Govt. of India, New Delhi.	11.06	2009- 12
Evaluation of Bio-efficacy and phytotoxicity of Flubendiamide 480 SC (Fame 480 SC) against fruit borer of gherkin	M/s Bayer Crop Science, Limited, Coimbatore	1.38	2009-11
Bioefficacy of cyzel and ampligo against pests of cotton	Syngenta India Ltd., Mumbai	1.80	2009-11
Evaluation of Bioefficacy of Bionematon against Root Knot Nematode in Tomato	M/s. Stanes Company Ltd. Coimbatore	0.30	2010- 12
Bioefficacy and residue data with Imazethapyr on groundnut weeds	M/s Willowood chemicals Pvt. Ltd., New Delhi	3.00	2010-11
Bio efficacy of Garlic based bio pesticide - GB Ag/ELLICIN Ag	Veeras Bio tech. Pvt. Ltd. Banglore.	0.30	2010-11
Toxicology Data Generation of Cold Pressed Neem Oil 40CFR 158.2030	M/S. Parker Biotech, Chennai	1.50	2010-11
Studies on the insecticidal properties of <i>Solanum viarum</i> Dunal and exploration of its insecticidal principle	UGC, New Delhi	10.00	2010- 13
<b>Total</b>		<b>152.21</b>	



## 18. Inter-institutional collaborative projects and grants received

### a) All India collaboration

- Coal India Project – Utilization of Fly Ash as carrier in Pest Management Collaboration with NLC, Neyveli and VCRC Pondicherry – 80 Lakhs
- All India Co-ordinated Rice Improvement Project, Directorate of Rice Research, Hyderabad. Acted as Volunteer centre Rs. 10,000 / - per field trail

### b) International -

## 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.;

Total grants received. : 1. UGC Non – SAP: 30.00 Lakhs – 2. DST – FIST: 21.31 Lakhs – 3. UGC (MRP) : 23.00 Lakhs – 4. UGC (Non-SAP) Ph.D. Fellowship 7.00 Lakhs

## 20. Indian Institute of Natural Resins and Gums, Ranchi, (ICAR) - : 2.28 Lakhs

### 1. Research facility / centre with

- State recognition
- National recognition -Nil-
- International recognition

## 21. Special research laboratories sponsored by / created by industry or corporate bodies -Nil-

UGC – Non SAP	-	UG Lab, <b>Equipments:</b> Potter Spray Tower
Coal India Project	-	Glass House
Coal India Project	-	Fly Ash Lab
DST - FIST	-	Nikon Trinocular stereo scopic zoom microscope, Ball Mill Grinder and Carlzeiss Binocular stereo microscope
UGC XI Plan	-	Phase Contrast Microscope

## 22. Publications:

- Number of papers published in peer reviewed journals (national / international) – 86 (Annexure – I)
- **Monographs** - Nil -
- Chapters in Books - 26
- Books Published - 7
- Edited Books - 1
- Books with ISBN with details of publishers
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.)
- Citation Index – range / average
- SNIP
- SJR
- Impact Factor – range / average
- h-index

## 23. Details of patents and income generated - Nil -

## 24. Areas of consultancy and income generated - Nil -

## 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad

- Y. Hariprasad. University of Kandy - Colombo -Sri Lanka,5-Oct-2007
- Dr. V. Selvanarayanan. International plant Protection Conference and China Purdue University, USA
- Dr. S. Arivudainambi. Poland - ETC- COMPAS, Netherland. \*\*\*\*\*
- S. Manickavasagam. Visited Erice (Sicily) Italy to attend X European workshop on Insect parasitoids, Sep.17 - 21, 2007.
- Dr. S. Arivudainambi. Switzerland - International Conference on "Endogenous Development and Bio-Cultural Diversity the interplay of Worldviews, Globalization, and Locality" held in Geneva
- S. Manickavasagam. Visited Natural History Museum, London, UK as a Common Wealth Fellow for six months from Sep. 2007 to March, 2008
- Y. Hariprasad. Govt. Bee Research Centre, Thimpu, Bhutan. Aug 19-21, 2008.
- R. Ayyasamy. Govt. Bee Research Centre, Thimpu, Bhutan. Aug 19-21, 2008.
- S. Manickavasagam. Visited University of Minnesota, USA to attend First International Entomophagous Insects Conference, July, 27 - 31, 2009.
- S. Manickavasagam. Visited Post Graduate Institute of Agriculture, University of Peredeniya, Kandy, Sri Lanka, to chair a technical session at Twenty Second Annual Congress, 25-26, November, 2011.
- Y. Hariprasad. Chiang Mai University - Chiang Mai ,Thailand ,5-Mar-2011
- Dr. C. Kathirvelu. University of Peredeniya, Kandy, November 17&18, 2011.
- R. Ayyasamy. Chiang Mai University - Chiang Mai ,Thailand ,5-Mar-2011

## 26. Faculty serving in National committees b) International committees c) Editorial Boards d) any other (please specify)

a) National Committees:- S. Manickavasagam. Member of Research Advisory Committee, Tamil Nadu, Forest Department (2014 - 18)

### c) Editorial Boards

- Y. Hariprasad. Journal of Indian Tobacco Research (ICAR) Editorial Board Member
- S. Manickavasagam. Journal of Biological Control Society for Biocontrol Advancement, Bangalore
- S. Manickavasagam. Journal of Threatened Taxa the International Journal on conservation & Taxonomy.

## 27. Faculty recharging strategies

Faculty members are encouraged to participate in Refresher Course / Short Term Training Programme, Faculty Development Programme, Seminar, Conference, Workshop, etc. periodically.

## 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities / industry / institute

## 29. Awards / recognitions received at the national and international level by

### ➤ Faculty

Name of the staff	Title / Agency	Years
P. Narayanasamy	Distinguished Entomologist in India Pesticides Association of India, Mumbai	2007
S. Manickavasagam	Fellow of Royal Entomological Society, London	2008
	Fellow of Plant Protection Association, Hyderabad.	2008
	Best Research Paper Award, Srilochani Varadarajalu Endowment Incentive Award, Annamalai University	2008
	Best Researcher Award by Annamalai University	2009
	Fellow of Entomological Society of India, New Delhi	2009
R. Veeravel	Best Teacher award. Annamalai University, Annamalainagar.	2009
V. Selvanarayanan	Fellow of Plant Protection Association of India	2009
	Distinguished Teacher, Annamalai University	2010
S. Arivudainambi	Best Research Paper Award, Srilochani Varadarajalu Endowment Incentive Award, Annamalai University	2010

### ➤ Doctoral / post doctoral fellows

### ➤ Students

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Name of the Activity	Year of Activity	Title	Sponsoring agency	Programme Organiser
National Symposium	26 -27 March, 2007	Towards Pest Free Grains and Seeds in Storage	UGC	Y. Hariprasad
National Workshop	4 - 5, March 2010	Paradigm Shifts in Research on Crop Resistance to Pests	UGC	V. Selvanarayanan
National Workshop	17 -18, March, 2012	Promoting Sericulture for Sustainable Income	UGC & Central Silk Board	Y. Hariprasad
Refresher Course	2008, Feb.	Organic Pest Control	UGC	P. Narayanasamy

## 31. Code of ethics for research followed by the departments

The faculties in the department are committed to undertaking research with scientific integrity and the students are encouraged to take up research on the current problems faced in the field following the latest techniques and standard procedures. Also, the research is taken up in conformity with the accepted code of principles on Good Research Practices (GRP).

## 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. (Ag.)				100%	100%
2007 - 08	10	4	2	100%	100%
2008 - 09	12	7	1	100%	100%
2009 - 10	6	4	1	100%	100%
2010 - 11	5	2	1	100%	100%
2011 - 12	12	9	0	100%	100%
M.Sc. (Ag.). (2102 - 2013)	14	9	-		
(2013 - 2014)	50	16	14		
Ph.D	23	15	5	100%	100%

## 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. (Ag.) Entomology	72%	10%	4%	4%
Ph.D. Entomology	72%	9 %	9%	-Nil-

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

SET - 1; ICAR - JRF - 4

**35. Student progression**

Student progression	Percentage against enrolled
PG to Ph.D.	8%

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	17%
from other universities within the State	10%
from universities from other States	10%
from universities outside the country	-

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period :** 8

**38. Present details of infrastructural facilities with regard to**

a) Library : Books-355 nos.; M.Sc. (Ag.) Theses - 177 nos.; Ph.D Theses -31 nos.; Journals-9 nos.

b) Internet facilities for staff and students :- Staff -3 Systems; Students - 2 Systems; Wi Fi

c) Total number of class rooms :- 1. PG Class Room - 2 nos.; 2. Conference Hall - 1 no.

d) Class rooms with ICT facility

e) Students' laboratories :- 1. UG Laboratories - 2 nos.; 2. PG Laboratories - 1 no.

f) Research laboratories: - 1. Parasitoid Taxonomy and Biocontrol Laboratory  
2. Flyash facility, 3. Sericulture Laboratory

**39. List of doctoral, post-doctoral students and Research Associates**

a) from the host university

Candidate	Candidate	Candidate
M. Saravanaraman	K. Balaji	C. Kathirvelu
S. Pazhanivel	R. Kanagarajan	M.Thirumalai
S. Puspaltha	B.Ananda Ganesa Raja	K. Gopala Krishnan
M. Ramanan	Chand Asaf	N. Muthu kumar
A.M.Amala Hyacinth	R. Kannan	T. Nalini
M. Pazhanisamy	T.Selvamuthukumar	M. Senthilkumar
A.Sivaraman	F.Jose	

b) From other universities:

D. Krishna Chaitanya	R.S.Sureshkumar	Purusottam Mohapatra
C. Sankar	M. Santhosh	
M. Baskar	M. Gokulraam	

**Research Associates**

Mohamad Nizam	(2007 - 2010)	Mr.A. Rmaseakumar	(2009- 2012)
Mr. Srinivasan	(2007 - 2011)	Mr. V. Ramesh	(2010 - 2013)
Ms. Saraoja	(2008 - 2009)	Dr.V. Ramesh	(2013 - 2014)
Ms. Indhumathy	(2010 - 2011)	Mr. M. Saravanaraman	(2011 - 2014)
Ms. Renugadevi	(2009-2010)		

**40. Number of post graduate students getting financial assistance from the university?**

M.Sc. (Ag) – Scholarship – 34 Students and Highest OGPA – 10 students

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.** - Nil -**42. Does the department obtain feedback from**

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, based on feedback collected from the students, teachers are suggested to improve their teaching skills.

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

**43. List the distinguished alumni of the department (maximum 10)**

Dr. M. Balasubramanian Served as Consultant - World Bank, New Delhi.

Dr. S. Chelliah Former Director, Centre for Plant Protection, TNAU, Coimbatore.

Dr. M. Thirugnanam. Served as Scientist Rohms & Hass Inc.- USA

Dr.L.Natarajan Former Dean, PAJANCOA, Karaikal.

Dr.P. Narayanasamy Former Dean, Faculty of Agriculture, Annamalai University.

Dr.C. Vaithilingam Director, Rom Vijay Biotec Pvt., Ltd., Pondicherry.

Dr.Rm. Nachippan Former Prof. & Head, Department of Entomology, Annamalai University.

Dr.R. Veeravel Former Prof. & Head, Department of Entomology, Annamalai University.

Dr. S. Subramanian Principal Scientist, IARI, New Delhi.

Dr.S.Asaithambi Regional Manager, Kyto Pesticide Ltd., South East Asia, Tokyo, Japan

**44. Give details of student enrichment programmes (special lectures / workshops / Seminar) involving external experts.**

	Topic
Srilochani Varadarajulu Endowment lecture. Dr.C.A. Viraktamath, Emeritus Scientist Department of Entomology University of Agricultural Sciences, Bangalore.	<ul style="list-style-type: none"> <li>Principles of systematics insect collection and preservation</li> <li>Leafhopper – their biology systematics and behaviour</li> </ul>
Srilochani Varadarajulu Endowment lecture - Dr.M.Muthuraman, Professor of Entomology, Tamil Nadu Agricultural University, Coimbatore. 2010-2011	<ul style="list-style-type: none"> <li>Let Bee be our Social guide</li> <li>Conservation of Wild Honey bees</li> </ul>
Sri Varadharajulu Endowment Lectures by Dr. S. Sithanandam, Director (Entomology), Sun Agro Bio systems Pvt. Ltd., Chennai delivered on 18th April 2012.	<ul style="list-style-type: none"> <li>Recent Progress in Insect Trapping Systems R &amp; D: Case Study of Fruitflies</li> <li>Current Trends in Organic Pest Control Research in India: Case study of R &amp; D in Medicinal Plants</li> </ul>
Dr.J. Poorani, Principal Scientist (Entomology), National Bureau of Agriculturally Important Insects, Bangalore, delivered a talk on 10.07.2012.	<ul style="list-style-type: none"> <li>Coccinellides of the Indian subcontinent Biodiversity &amp; Utilization</li> </ul>

### Entomology Society for Innovation

Dr. N. Vijayakumar, Entomologist, Perunthalaivar Kamarajar Krishi Vigyan Kendra, Pondicherry, will delivered a talk on 01.08.2011.	• Prospectus of Biological control of Pests in India
Dr. N. Muthukrishanan, Ph.D., PDF (Canada), Prof. of Entomology, Agriculture College and Research Institute, Tamilnadu Agriculture University Madurai will delivered a talk on 15.07.2011.	• New Molecules of Insecticides
Dr. N. Ganapathy, Prof. (Entomology), Tamil Nadu Agricultural University, Coimbatore, delivered a talk on 12.08.2013	• BEES – ALLEGORIES IN NATURE

#### 45. List the teaching methods adopted by the faculty for different programmes.

- Activity based learning in knowing basics of Entomology
- Conducting quiz programs in practical classes
- Videos on various topics are regularly shown in practical classes
- Field demonstrations
- Hands on training on practical topics (Use of pesticidal appliances, Pheromone traps etc.,)
- Students allotted with topics and asked to present it before the audience
- Students were asked to submit assignments

#### 46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Continuous evaluations of students were carried out in weekly practical classes. The students were asked to write a class test on previous lecture. It will be evaluated and the student is progression was monitored. Further, Mid Semester examination was conducted during the middle of the semester and status of the students was judged.

#### 47. Highlight the participation of students and faculty in extension activities.

The Department plays active role in conducting Farmer's Day exhibition. The faculty members are participating in Farmer - Scientist meet during the Rural Agricultural Work Experience program of the undergraduate students. One staff member is serving as Officer of NCC

#### 48. Give details of "beyond syllabus scholarly activities" of the department.

Regular coaching for ICAR JRF examination is carried out.

#### 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. -Nil-

#### 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Identification of insect tolerant varieties of rice, maize, tomato and sesame
- Reported 15 New species of parasitoids, Recorded more than 150 species of parasitoids from various states of India.
- Characterization of insecticidal principles from *Solanum viarum*
- Insecticidal activity of *Calotropis gigantea*
- Flyash as an insecticide and as a carrier material in insecticide formulations
- Efficacy of mycoinsecticides namely *Beauveria bassiana* against caterpillar pests and *Verticillium lecanii* on sap feeding insects on major crops
- Efficacy of fungal pathogen, *Paecilomyces lilacinus* against nematode pests of major crops

- To motivate the students and staff members Entomology Research Society is working in the Department. Frequent meetings all arranged to encourage communication skills and participation of students.
- Training programmes are frequently conducted to the framers to update the Pest management skills.
- Staffs members are encouraged to attend refresher courses, training programmes and national conferences to improve their scientific skills to update their subject of specialization.
- The Entomology Department has generated research funds to a tune of around Rs. 3 crores during the last five year plan.

### **51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

#### **Strengths**

- Good numbers of funded projects (On going 15 numbers, worth > 1 crore)
- Good library facility
- Good number of publications

#### **Opportunities**

- Employment opportunities / placements in public and private organization like pesticide industries
- Provision for conducting various types of research studies due to varied climatic condition in different session
- Scope to interact with NGOs and self help groups for better update of filed level knowledge
- To establish modern labs and to train to faculty in the field of Bio – technology and advance pest management tactics
- Being rural, possibilities of more interaction with progress farmers.

#### **Weakness**

- Students with poor communication skills
- Laboratory facilities and equipments
- Cope with English medium communication
- Not being accredited by ICAR
- Non availability of physical lab space

#### **Challenges**

- Some students need good communication skills.
- Students need encouragement to appear national level completion exams like ARS
- Need to canvas, motivate farmers for rural employment avenues like Beekeeping and Sericulture
- Due to rural background opportunities to interact with more farmers
- Train and mould students from rural background for competition exams like JRF and ARS.

### **52. Future plans of the Department.**

- Development and popularization of bivoltine sericulture
- Sericulture and Apiculture in the coastal areas for regular additional income
- Development of new varieties of rice, tomato and sesame
- Parasitoid identification service facility
- Identification, characterization of newer plant derived insecticidal molecules and development of novel formulations of botanical insecticides
- Enhancing the efficacy of entomopathogens and nematode infecting fungi

## DEPARTMENT OF PLANT PATHOLOGY

- 1. Name of the Department :** Plant Pathology
- 2. Year of establishment:** 1984
- 3. Is the Department part of a School/Faculty of the university?** Yes, Faculty of Agriculture
- 4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**  
 Ph.D. in Plant Pathology ;      M.Sc.(Ag.) in Plant Pathology ;  
 B. Sc.(Ag.) - 4 courses ;      B.Sc.(Horti.) - 4 courses
- 5. Interdisciplinary courses and departments involved :**  
 Staff handles classes for inter-disciplinary programmes such as  
 Department of Agronomy;      Department of Agrl. Entomology;  
 Department of Microbiology;      Department of Genetics and Plant Breeding
- 6. Courses in collaboration with other universities, industries, foreign institutions, etc. -** Nil
- 7. Details of programmes / courses discontinued, if any, with reasons :** Nil
- 8. Annual/ Semester/Choice Based Credit System: Semester System**
- 9. Participation of the department in the courses offered by other departments**
  - STA 611. Statistical Methods and Design of Experiments (2+1) (Dept. of Statistics)
  - COM 615. Computer Programming and its Applications (2+1) (Dept. of Computer Sci.)
  - GPB 622 Breeding of cereals, pulses and oil seeds (2+1) (Dept. of Genetics & Plant Breeding)
  - ABT 711 Plant tissue Culture and Genetic transformation (2+1) (Department of Genetics and Plant Breeding)
  - AGM 712 Biofertilizer technology (2+1) (Department of Microbiology)
- 10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

Designation	Sanctioned *	Actual**
Professor	01	03
Associate Professors	01	01
Asst. Professors	05	17

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

- 11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name of the Teacher	Designation	Qualification	Specializations	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. Eswaran. A	Prof. & Head	M.Sc.(Ag.),Ph.D.,	Mushroom	20	8
Dr. Kuruचेve. V	Professor	M.Sc.(Ag.),Ph.D.,	Natural Products	27	2
Dr. Usharani. S	Professor	M.Sc.(Ag.),Ph.D.,	Biocontrol	19	3
Dr. John Christopher.D	Assoc.Professor	M.Sc.(Ag.),Ph.D.,	Biocontrol	14	1
Dr. Darwin Christdhas Henry. L	Asst. Professor	M.Sc.(Ag.),Ph.D.,	Mushroom	13	1
Dr. Balabaskar. P	Asst. Professor	M.Sc.(Ag.),Ph.D.,	Biocontrol	13	-



Name of the Teacher	Designation	Qualification	Specializations	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. Renganathan. P	Asst. Professor	M.Sc.(Ag.),Ph.D.,	Mushroom	11	-
Dr. Sivakumar. T	Asst. Professor	M.Sc.(Ag.),Ph.D.,	Plant Protection	9	-
Dr. Muthukumar. A	Asst. Professor	M.Sc.(Ag.),Ph.D.,	Plant Protection	9	-
Dr. Sanjeevkumar. K	Asst. Professor	M.Sc.(Ag.),Ph.D.,	Mushroom	9	-
Dr. Kannan. C	Asst. Professor	M.Sc.(Ag.),Ph.D.,	Natural Products	8	-
Dr. Suthin Raj. T	Asst. Professor	M.Sc.(Ag.),Ph.D.,	Plant Protection	7	-
Mr. Rajamohan. K	Asst. Professor	M.Sc. (Ag.)	Natural Products	7	-
Mr. Kannan, R	Asst. Professor	M.Sc. (Ag.)	Plant disease mgt.	1	-
Dr. Thamarai Selvi. M	Asst. Professor	M.Sc.(Ag.),Ph.D.,	Natural Products	7	-
Mr.SuthaRajaKumar R	Asst. Professor	M.Sc. (Ag.)	Plant Protection	7	-
Dr. Jaiganesh. V	Asst. Professor	M.Sc.(Ag.),Ph.D.,	Biocontrol	7	-
Mr. Sanjaygandhi. S	Asst. Professor	M.Sc. (Ag.)	Biocontrol	6	-
Dr. Udhayakumar. R	Asst. Professor	M.Sc.(Ag.),Ph.D.,	Plant Protection	6	-
Mr.VengadeshKumar L	Asst. Professor	M.Sc. (Ag.)	Biocontrol	5	-
Mr. Sundaramoorthy. S	Asst. Professor	M.Sc. (Ag.)	Biocontrol	4	-

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors-** Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information:** Nil

**14. Programme-wise Student Teacher Ratio**

**Ph.D.**

Name of the staff	Name of the Ward				
	2007 – 2008	2008 – 2009	2009 –2010	2010-2011	2011- 2012
Dr. A. Eswaran	P. Renganathan	D. Senthil nambi L.D.C. Henry	K.Sanjeevkumar A.Muthukumar T. Sivakumar	-	C. Kannan V. Jaiganesh
Dr. V. Kurucheve	-	P. Balabaskar M. Thamaraiselvi	-	-	-
Dr. S. Usha rani	-	-	-	S.K.Jayalakshmi	R. Udhaya kumar
Dr. D. John Christopher	-	-	-	T. Suthin Raj	-

**M.Sc. (Ag.)**

Name of the staff	Name of the Ward				
	2008 – 2009	2009 – 2010	2010 – 2011	2011-2012	2012- 2013
Dr. A.Eswaran	A.Sumithra	J.Vinayaga Murugan Sridhar	---	--	--
Dr.V.Kurucheve	K.Nithya K.A.Rajadurai	G. Sivasankar S. Velmurugan	--	B.Deivakarasi	--
Dr. S. Usha rani	S.Ramesh	P.Bharathi Raja	--	--	--
Dr.D.JohnChristopher	T. Thiyaghu	S.Shanmuga packiam	---	--	--
Dr. L.D.C. Henry	----	--	N.Kaviyaran	--	--
Dr. P. Renganathan	---	--	K.Anbumani	---	--
Dr. G. Sangeetha	---	--	---	S.Ravikumar	--
Dr. T. Sivakumar	--	--	--	R.Sureshkumar	--
Dr. K. Sanjeevkumar	--	--	--	--	A. Venkatesh
Dr. A. Muthukumar	--	--	--	--	R. Rubini
Dr. C. Kannan	--	--	--	--	R. Ilavarasan

### 15. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Actual
Technical Staff	-
Administrative Staff	13

### 16. Research thrust areas recognized by funding agencies

- Integrated Crop Disease Management
- Mushroom Technology
- Post-harvest Pathology
- Plant disease management using bio-control agents

### 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

#### On going projects

Principal Investigator	Name of the Project	Funding Agency	Period	Amount Rs. in lakhs
Dr. S. Usharani	Efficacy of sea water irrigated crops Salicornia and Avicennia in controlling root disease of leguminous and non leguminous plants.	UGC, New Delhi	2013-2016	10.64
Dr. P. Balabaskar	Exploring endophytic and plant growth promoting rhizobacteria's for the management of Fusarium root knot nematode wilt complex of tomato.	UGC, New Delhi	2013-2016	10.75
Dr. P. Balabaskar	Bio-efficacy studies on Bacillus subtilis 1.5% AS for the management of Cowpea root rot disease	Bio-tox services, New Delhi	2013-2014	01.00
Dr. P. Balabaskar	Bio-efficacy and Phytotoxicity studies of Zineb 68% + Hexaconazole 4% WP (AVTAR) against leaf spot and boll rot diseases of Cotton	Indofil Ltd., Mumbai	2013-2014	01.89
Dr. P. Balabaskar	Bio-efficacy and Phytotoxicity studies of Mancozeb 68% + Hexaconazole 4% WG (ICF-310) against diseases of Paddy	Indofil Ltd., Mumbai	2013-2014	02.53
Dr.A.Muthukumar	Evaluation and formulation of plant essential oil as an ecofriendly biofungicide for the management of major seed borne disease of rice	TNSCST, Chennai	2013-2015	02.27
Dr.A.Muthukumar	Bio efficacy and Phytotoxicity studies on Azoxystrobin 25 SC and Metalaxyl + Mancozeb (Ridomil Gold 68 WP) against disease complex in Pomegranate and Paclobutrazole 23% SC for Crop enhancement effect in Pomegranate	Syngenta India Ltd., Coimbatore	2013-2014	04.50
Dr.R.Udhayakumar	Bio-efficacy of new fungicides viz., Amistar Top 325 SC on Cotton & Sugarcane, Amistar Xtra 280 SC on maize and Filia 525 SF on rice	Syngenta India Ltd., Coimbatore	2014-2015	05.00
<b>TOTAL</b>				<b>38.58</b>

**Completed projects**

<b>Principal Investigator</b>	<b>Name of the Project</b>	<b>Funding Agency</b>	<b>Period</b>	<b>Amount Rs. in lakhs</b>
Dr. A. Eswaran	Rural Youth Empowerment through Edible Mushroom Production and Processing	DBT, New Delhi.	2006-2009	17.91
Dr. P. Balabaskar	Evaluation of efficacy of the bio-inoculant Pirifomospora indica against red rot and sett rot diseases of sugarcane	Biotech International Ltd. Bangalore	2007-2008	0.40
Dr.V. Kurucheve	Eco friendly management of Fusarial disease in tomato crop	CIKS, Chennai	2008-2009	0.30
Dr.V. Kurucheve	Eco friendly management of Fusarial disease in tomato crop	CIKS, Chennai	2008-2009	0.60
Dr. G. Sangeetha	Evaluation of Trichoderma viride A.S, Pseudomonas fluorescens A.S, and Bacillus subtilis W.P. for management of damping off disease as seed treatment caused by Pythium aphanidermatum on chilli crop	Bio-Tox Services, New Delhi	2008-2009	0.30
Dr. A. Eswaran	Evaluation of bio efficacy and phytotoxicity studies of new fungicide	BASF-Mumbai	2008-2009	1.40
Dr. A. Eswaran	Evaluation of section 60 WG (Fenamidone 10% + Mancozeb 50% - 60 WG), a ready mixture fungicide, against downy mildew of gherkin	Bayer Crop Science, Hyderabad	2008-2009	0.57
Dr. A. Eswaran	Evaluation of bio efficacy and phytotoxicity studies of BASF new fungicide - Cabrio Top against mango diseases	BASF-Mumbai	2008-2009	0.48
Dr. A. Eswaran	Evaluation of bio efficacy and phytotoxicity of Trichoderma viride and Pseudomonas WP against diseases of rice, green gram and chilli.	Sun Agro Biosystem pvt. Ltd.,	2008-2009	1.20
Dr. P. Balabaskar	Bio-efficacy of biocontrol agents viz., Trichoderma harzianum 2% A.S., 2% A.S. against the target pathogens	M/s Bio-Tox Services, Delhi	2009-2010	1.80
Dr. A. Eswaran	IFAD assisted Sub-sector studies in Nagapattinam and Kancheepuram Districts	IFAD assisted PTSLV, Chennai	2009-2010	7.49
Dr. A. Eswaran	Restoration and rehabilitation of tsunami affected coastal ecosystem through alternate livelihood involving agriculture, animal husbandry and fisheries	DST, New Delhi	2009-2011	23.00
Dr. A. Eswaran	Bio efficacy and phytotoxicity of Navivo 75 WG (Trifloxystorbin 25%+ Tebuconazole 50%) against Sheath Rot (Sarocladium oryzae), Stem rot (Sclerotium oryzae) & Brown spot (Helminthosporium oryzae) of rice crop & Bio-efficacy and Phytotoxicity of Section 60 WG (Fenamidone 10% + Mancozeb 50%) ready mixture against late blight disease of tomato	M/s Bayer Crop Sciences, Coimbatore	2010-2011	2.40
Dr. A. Eswaran	Bio efficacy and phytotoxicity of Melodyduo 66.75 WP (Irpvalicarb 5.5%+Propineb 61.25%) ready mixture against early and late blight diseases of tomato	M/s Bayer Crop Sciences, Coimbatore	2010-2011	1.20
Dr. A. Eswaran	Bio efficacy and phytotoxicity studies of new fungicide, Acronis in Bhenidi as seed treatment	BASF India Ltd, Hyderabad	2010 - 2011	0.78
Dr. A. Eswaran	Evaluation of bio efficacy and phytotoxicity studies of fungicide, Cabrio Top 60% WDG against foliar diseases of blackgram	BASF India Ltd, Hyderabad	2010 - 2011	0.78

Principal Investigator	Name of the Project	Funding Agency	Period	Amount Rs. in lakhs
Dr. A. Eswaran	Evaluation of bio efficacy and phytotoxicity studies of new fungicides Insure, Headline and Opera in groundnut crop	BASF India Ltd, Hyderabad	2010 – 2011	2.00
Dr. A. Eswaran	Evaluation of bio efficacy and phytotoxicity studies of new fungicide Headline 20% WDG in maize crop	BASF India Ltd, Hyderabad	2010 – 2011	0.79
Dr. L. Darwin Christdhas Henry	Domestication of wild edible mushrooms and evaluation of their nutritional and medicinal values	UGC, New Delhi	2010-2013	6.73
Dr. A. Eswaran	Bio-efficacy and phytotoxicity of native 75 WG (Trifloxystrobin 25% +Tebusonazole 50%) against powdery mildew of Gherkin.	BASF India Ltd., Bombay	2012-2013	1.20
Dr. A. Eswaran	Bio efficacy and Phytotoxicity of BAS 700 05 and BAS 673 on seedling diseases of Sorghum	BASF India Ltd., Bombay	2012-2013	2.50
Dr. A. Eswaran	Evaluation of Bio efficacy and Phytotoxicity studies of new fungicides, Pyraclostrobin 5% + Thiphenytrease thyl 45% FS (Acronis 50% FS) in Bhendi	Bayer Crop Science., Bombay	2012-2013	0.60
Dr. G. Sangeetha	Ecofriendly management of rice sheath blight disease with plant essential oils.	TSCST, DOTE campus, Chennai	2012-2013	0.06
<b>TOTAL</b>				<b>74.49</b>

### 18. Inter-institutional collaborative projects and grants received

a. All India collaboration Nil

b. International : Nil

### 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.

Funding Agency	Grants in lakhs
DST	23.00
DBT	17.91
UGC	28.12
Non SAP	31.68
Other Funding Agency: BASF – Bayer Crop Science – CIKS – Bio-tox service – Sun-Agro Bio-systems – IFAD	44.04

### 20. Research facility / centre with

- State recognition
- National recognition
- International recognition

### 21. Special research laboratories sponsored by / created by industry or corporate bodies

#### 22. Publications:

- Number of papers published in peer reviewed journals (national / international) 109 (Annexure - I)
- Monographs - Nil
- Chapters in Books - Nil
- Edited Books - Nil

➤ Books with ISBN with details of publishers - 03

Author name	Book Title	Year	ISBN
Dr. L. Darwin Christdhas Henry and H. Lewin Devasahayam	Crop diseases Identification, Treatment and Management an Illustrated handbook	2011	978-93-8023546-2
Dr. G. Sangeetha and Dr. A. Muthukumar	Fundamentals of Plant Pathology	2011	978-81-909322-8-8
Dr. A. Muthukumar and Dr. P. Balabaskar	Diseases of Medicinal and Aromatic Plants	2013	978-93-81236-25-3

- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) Nil
- Citation Index - range / average :
- SNIP Nil
- SJR Nil
- Impact Factor - range / average : 1.331 - 7.7 (National Academy of Agricultural Sciences (NAAS) Rank)
- h-index :

**23. Details of patents and income generated** Nil

**24. Areas of consultancy and income generated** Consultancy is being offered free of cost to the farmers visiting the department with their crop disease problems and mushroom production technologies.

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad** Nil

**26. Faculty serving in**

- a) National committees Nil
- b) International committees Nil
- c) Editorial Boards Nil
- d) any other (please specify) Board of Studies, Board of Examination, member in Faculty

**27. Faculty recharging strategies**

The faculties in the department are encouraged to participate in the national level and international level workshops, short term training courses, refresher courses and in-service training organized by the University so as to update themselves in the latest developments in the subject. Also the University encourages "Faculty Improvement Programme" and "Faculty Exchange Programme" for the benefit of teachers. To facilitate knowledge sharing and to provide platform to the faculties working in similar areas of subjects. the faculties in the department are encouraged to organize training programmes and workshops.

**28. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects - 100%
- percentage of students doing projects in collaboration with other universities / industry / institute : Nil

### 29. Awards / recognitions received at the national and international level by

Year	Names	Award Earned
2010-11	Dr. G. Sangeetha	Srilochani-Varadharajulu endowment award for the best research paper, Annamalai University - 2011.
2011-12	Dr. V. Kurucheve	Best Researcher award for the year 2011 by Annamalai University.
	Dr. A. Muthukumar	Srilochani - Varadharajulu endowment award for the best research paper, Annamalai University- 2011.
2012-2013	Dr. A. Muthukumar	Srilochani - Varadharajulu endowment award for the best research paper, Annamalai University- 2012.
	Mr. S. Sundaramoorthy	Srilochani - Varadharajulu endowment award for the best research paper, Annamalai University- 2012.

➤ Doctoral / post doctoral fellows : Nil

➤ Students : Nil

### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

National

Date	Sponsor	Title of the Conference / Seminar / Workshop
22nd Feb 2009	DBT	Workshop on rural youth empowerment through edible mushroom production and processing
25th -26th Feb 2012	UGC	National seminar on recent advances in plant disease research (NSRAPDR).

### 31. Code of ethics for research followed by the departments

The faculties in the department are committed to undertaking research with scientific integrity and the students are encouraged to take up research on the current problems faced in the field following the latest techniques and standard procedures. Also, the research is taken up in conformity with the accepted code of principles on Good Research Practices (GRP).

### 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
Plant pathology	2007-08	6	3	2	100	100
	2008-09	5	5	0	100	100
	2009-10	5	2	0	100	100
	2010-11	7	2	1	100	100
	2011-12	5	2	2	100	100

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. (Ag.)	93 %	07 %	-	--
Ph.D.	100 %	-	-	-

### 34. How many students have cleared Civil Services and Defiance Services Examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. :

Name	NET/SET/GATE	Year of Passing
S. Bhuvaneshwari	NET	2014

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	15%
PG to M.Phil.	--
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	--
Employed	
• Campus selection	10%
• Other than campus recruitment	40%
Entrepreneurs	25%

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	90
from other universities within the State	05
from universities from other States	05
from universities outside the country	--

### 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period :

Ph.D	14
Full time	01
Part time	13

### 38. Present details of infrastructural facilities with regard to

#### a) Library

No. of books on the subject in			National journals subscribed (give names)	International journals subscribed (give names)
Library			1. Indian Phytopathology	1. Plant Disease
General	Faculty	Department	2. Plant Disease Research	2. Journal of Plant Pathology
71	1037	204	3. Journal of Mycology and Plant Pathology	

b) Internet facilities for staff and students : 10 nos

c) Total number of class rooms : 3 nos

d) Class rooms with ICT facility : 3 nos

e) Students' laboratories : 4 nos

f) Research laboratories : 2 nos

### 39. List of doctoral, post-doctoral students and Research Associates

#### a) from the host university :

Scholar Name	Year	Scholar Name	Year
G.Sangeetha	2007	A. Muthukumar	2009
P. Renganathan	2007	T. Sivakumar	2009
P. Balabaskar	2008	S. K. Jayalakshmi	2011
D. Senthilnambi	2008	T. Suthin Raj	2011
M. Thamarai Selvi	2008	C. Kannan	2012
L. Darwin Christdhas Henry	2008	R. Udhaya kumar	2012
K. Sanjeevkumar	2009	V. Jaiganesh	2012

b) from other universities : Nil

40. Number of post graduate students getting financial assistance from the university? Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. Nil

#### 42. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

It is mandatory for the staff to complete one orientation course and two refresher courses. The staff are encouraged to participate in the seminars/symposia and conferences at National /international level so as to be in line with the latest development in the subject. The findings of the department staff are being published in reputed journals of national and international level.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

On completion of the semester the feed back from students is obtained for every course and short comings if any pointed by the students are corrected.

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

The alumni of the department are encouraged to be in touch with the department and they offer counseling for the improvement of the department in terms of quality and also for getting jobs for the students.

#### 43. List the distinguished alumni of the department (maximum 10)

Dr. R. Sridhar	Principal Scientist (Retd.), Central Rice Research Institute, Cuttack, Orissa
Dr. P. Vidhyasekaran	Director, CPPS (Retd.), TNAU, Coimbatore - Visiting Professor, Texas State University, USA
Dr. L. Ragunathan	Director (Retd.) Directorate of Plant Protection & Storage, Faridabad, (U.P)
Dr. Velazhagan	Professor Centre for Plant Protection Studies, TNAU, Coimbatore
Dr. T. Marimuthu	Director, CPPS (Retd.) TNAU, Coimbatore
Dr. J. Jayaraj	Associate Professor University of Trinidad, West Indies
Dr. A. Ramesh Sundar	Principal Scientist Sugarcane Breeding Institute, Coimbatore
Dr. (Mrs) M.L. Jeeva	Principal Scientist CTCRI, Trivandram
Dr. T. Maheshkumar	Principal Scientist CTCRI, Trivandram
Dr.C. Rettinasababady	Professor & Head Department of Plant Pathology, PANJANCOA, Karaikal

#### 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- Endowment lectures are being organized by the department with lead lectures by eminent scientists.
- Agricultural research society also organizes lectures

#### 45. List the teaching methods adopted by the faculty for different programmes.

Classes are being conducted with LCD power points and OHP's.

Students are encouraged to take class seminars and assignments.

Hands on training are being given on entrepreneurial skills like mushroom production and biocontrol agent production technologies.

#### 46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

It is mandatory for the students to take up a mid semester examination as part of their examinations. Also students are encouraged to take seminars and periodical class tests are being conducted to monitor the students learning abilities.



#### 47. Highlight the participation of students and faculty in extension activities.

Periodical tests are conducted to evaluate and monitor the students. Also students are encouraged to take up class seminars on the topics of interest. The research programs of the students are monitored every semester by advisory committee. The work done by the students is assessed and suggestion given accordingly

#### 48. Give details of “beyond syllabus scholarly activities” of the department.

The students are motivated and exposed to practical agriculture through frequent formers field visits and interaction with farmers. The students are proposed to be taken on tours to various research stations of Central Institutes, State Agricultural Universities, Private industries, Innovative formers field etc., to expose them to the developments in the present day agriculture.

#### 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

The executive committee of the NAAC accreted the Annamalai University at the B++ level (dated 31<sup>st</sup> March, 2007).

#### 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

#### 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

##### Strengths

- Department is bestowed with expertise on use of natural products and biocontrol agents for crop disease management with good laboratories.
- Expertise in mushroom production technology.
- The faculties are engaged in projects worth 35 lakhs funded by agencies like UGC, DST and other private agencies

##### Opportunities

- Developing entrepreneurs in the fields of biocontrol agent production, biofertilizer production and Mushroom production.
- Interdisciplinary research to be encouraged within and outside the University.
- Consultancy and technical services for industries and institutions.
- Strengthening of farm learning.
- Signing MOUs with private industries and NGOs

##### Weakness

- Collaborations with foreign Universities
- MOUs with any of the public/private sectors or NGOs
- Students from rural background

##### Challenges

- Students need to be exposed to the latest techniques like nano technology and genetic engineering etc.
- Participation of industries and NGOs
- Placements to graduates.

#### 52. Future plans of the department.

- To impart knowledge to the students on utilization of agro wastes in to edible protein
- To impart knowledge to the students on biocontrol of crop diseases and to develop entrepreneurial skill among students.
- To impart knowledge on biotechnological tools for detection and diagnosis (understanding) of the diseases and their mechanisms.

## DEPARTMENT OF AGRICULTURAL MICROBIOLOGY

**1. Name of the Department :** Agricultural Microbiology

**2. Year of establishment :** 1982

**3. Is the Department part of a School/Faculty of the university:** Yes, Faculty of Agriculture

**4. Names of Programmes / Courses offered (UG, PG , Ph.D.,)**

B. Sc.(Ag.) - 7 courses;

B.Sc.(Horti.) – 4 courses;

M.Sc.(Ag.) in Agricultural Microbiology;

Ph.D. in Agricultural Microbiology

**5. Interdisciplinary courses and departments involved :**

AGB 314. Fundamentals of Biotechnology (2+1) - Microbiology & Plant Breeding & Genetics

**6. Courses in collaboration with other universities, industries, foreign institutions, etc. -** Nil

**7. Details of programmes / courses discontinued, if any, with reasons :** Nil

**8. Annual/ Semester/Choice Based Credit System:**

Semester System / Choice Based Credit System

**9. Participation of the department in the courses offered by other departments**

- STA 611. Statistical Methods and Design of Experiments (2+1)
- COM 621. Computer Programming and its Applications (2+1)
- SAC 624. Plant Biochemistry (2+1)
- GPB 712. Resistance Breeding (2+1)

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned *	Actual**
Professors	01	8
Associate Professor	01	-
Assistant Professors	06	18

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M. Phil., etc.)**

Name of the Teacher	Designation	Qualification	Specializations	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. N. Ramanathan,	Professor & Head	M.Sc. (Ag.),Ph.D.,	Food Microbiology, Microbial metabolism, Environmental Microbiology	25	1
Dr. P. Tholkappian,	Professor	M.Sc. (Ag.),Ph.D.,	Soil Microbiology, Microbial Importance Biological Nitrogen Fixation	19	2
Dr. (Mrs). D. Stella,	Professor	M.Sc. (Ag.),Ph.D.,	Biological Nitrogen Fixation Microbial Genetics	18	1
Dr. V. Muralikrishnan,	Professor	M.Sc. (Ag.),Ph.D.,	Microbial Inoculants, Microbial Genetics, Bioenergy , Biotechnology	18	—
Dr. P. K. Sivakumaar,	Professor	M.Sc. (Ag.), Ph.D.,	Microbial inoculants , Food Microbiology Environmental Microbiology	17	2

Name of the Teacher	Designation	Qualification	Specializations	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. S. Kalaiarasu,	Professor	M.Sc. (Ag.), Ph.D.,	Soil Microbiology, Environmental Microbiology Food Microbiology	17	—
Dr.C.Sekar,	Professor	M.Sc. (Ag.),Ph.D.,	PGPR mediated ISR in crop plants	10	2
Dr.(Mrs)D.Reetha,	Professor	M.Sc. (Ag.),Ph.D.,	Biological Nitrogen Fixation	16	--
Dr. R. Elango	Asst. Professor	M.Sc. (Ag.), Ph.D.,	Biofertilizer and Bio composting	12	1
Dr. (Mrs). D. Kanchana	Asst. Professor	M.Sc. (Ag.), Ph.D.,	Food Microbiology and Fermentation	12	—
Dr. (Mrs). M. Jayanthi	Asst. Professor	M.Sc. (Ag.), Ph.D.,	Soil Microbiology and Biofertilizer	12	—
Dr.(Mrs) G. Usharani	Asst. Professor	M.Sc. (Ag.) Ph.D.,	PGPR, Ecology , Environmental Microbiology	11	—
Dr. B. Karthikeyan	Asst. Professor	M.Sc. (Ag.) Ph.D.,	Industrial Microbiology, General Microbiology	11	—
Dr. K. Muthuselvam,	Asst. Professor	M.Sc. (Ag.) Ph.D.,	Vermi Biotechnology , General Microbiology	10	—
Dr. J. Srimannarayanan	Asst. Professor	M.Sc. (Ag.), Ph.D.,	Environmental Microbiology Microbial Biotechnology General Microbiology	10	—
Dr. V. Prabudoss,	Asst. Professor	M.Sc. (Ag.) Ph.D.,	Soil Microbiology	10	—
Dr. J. Divakaran,	Asst. Professor	M.Sc. (Ag.) Ph.D.,	Environmental Microbiology Biocomposting	9	—
Ms. S. Mahalakshmi,	Asst. Professor	M.Sc. (Ag.)	Environmental microbiology Morphology , Cytology , Biological Nitrogen Fixation	8	—
Dr. R. Parthasarathi,	Asst. Professor	M.Sc. (Ag.) Ph.D.,	Microbial Biotechnology , Industrial Microbiology , Bio informatics, Molecular Biology	7	—
Mr. S. Bharathiraja	Asst. Professor	M.Sc. (Ag.)	Soil Microbiology, VAM	6	—
Dr. S. Dinakar,	Asst. Professor	M.Sc. (Ag.) Ph.D.,	Soil Microbiology, BNF	6	—
Ms. M. Vijayapriya	Asst. Professor	M.Sc. (Ag.)	Environmental Microbiology,Biofertilizer	6	—
Mr. G. Kumaresan,	Asst. Professor	M.Sc. (Ag.)	Soil Microbiology , Food Microbiology , BNF	6	—
Ms. J. Jayachitra,	Asst. Professor	M.Sc. (Ag.)	Food Microbiology, Biofertilizer	6	—
Mr. K. Sivakumar	Asst. Professor	M.Sc. (Ag.)	Soil Microbiology, EnvironmentalMicrobiology	4	—
Mr. P. Sivasakthivelan	Asst. Professor	M.Sc. (Ag.)	Biofertilizer technology, Soil Microbiology, Microbial Biotechnology,Environmental Microbiology	3	—

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:** Nil

**13. Percentage of classes taken by temporary faculty - programme-wise information:** Nil

#### **14. Programme-wise Student Teacher Ratio**

Name of the Course	Number of Students				
	2007 - 2008	2008 - 2009	2009 -2010	2010-2011	2011- 2012
M.Sc.(Ag)	10	4	4	5	1
B.Sc(Ag) 1/10	60	70	130	240	453
Ph.D., Agri Microbiology	6	8	10	10	7
Total	76	78	144	255	461
Number of Staff	28	28	28	27	27
Student teacher ratio	3	3	5.14	10	17

### 15. Number of academic support staff (technical) and administrative staff: sanctioned and filled

Staff	Actual
Technical Staff	1
Administrative Staff	15

### 16. Research thrust areas recognized by funding agencies

Biofertilizer Technology – Biocomposting Technology – Single cell protein production Technology – Biosurfactants

### 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

#### Ongoing projects

Principal Investigator	Name of the Project	Funding Agency	Period	Amount Rs. in lakhs
Dr. SM. Muthukkaruppan	Studies on the microbial solubilization of organic siliceous rice residues and its impact on the enhancement of blast disease management in lowland rice grown under Cauvery deltaic regions of Tamil Nadu.	UGC	2009 - 12	5.748
Dr. N. Ramanathan	Development of Spirulina SCP stress tolerant for mass cultivation in sea water and rice mill effluent in Cuddalore district, Tamil Nadu.	UGC	2012 - 14	4.52
Dr. (Mrs) D. Stella	Recycling of industrial effluents and organic wastes for the improvement of growth and yield of Groundnut-TMV 1 in Cuddalore district.	TNSCST	2011- 13	2.0
Dr. (Mrs) D. Stella	Studies on the nitrogen fixing efficiency of Gluconacetobacter diazotrophicus and its effect on growth and development of Sugarcane	TNSCST	2010- 11	0.06
Dr. (Mrs) D. Stella	Studies on the combined effect of bacterially treated industrial effluent, compost mixtures, lignite fly ash and effective microorganisms on the growth and yield of Groundnut in Cuddalore district, Tamil Nadu.	UGC	2011- 14	7.01.
Dr. P. K. Sivakumaar	Production of bacterial alginate from mangrove ecosystem as an alternative carrier for microbial inoculants.	UGC	2011- 14	7.45.
Dr. R. Elango	Innovative inspection on the microbial consortium mediated colichicin metabolite production and enhancement in Gloriosa superba L.	UGC	2012 - 15	6.40.
Dr. B. Karthikeyan	Development of Plant growth promoting rhizobacteria for their influence on disease management of certain species of commercially grown medicinal plant.	UGC	2011- 14	5.81.
Dr. R. Parthasarathi	Bio surfactant mediated synthesis of silver nano particles – A novel approach	UGC	2012 - 15	10.10.

#### Completed projects

Principal Investigator	Name of the Project	Funding Agency	Period	Amount Rs. In lakhs
Dr. M.D. Sundaram Mr. B. Karthikeyan (Co-PI)	Bioflocs of inoculants, as delivery system for Azospirillum	DBT, GOI	2005- 08	12.25
Dr. P. Tholkappian.	Studies on the efficacy of biofertilizers.	Biotech international Pvt.Ltd. Bangalore	2005-07	0.50
Dr. P. Tholkappian.	Enhancing the efficacy of RomVijay Liquid biopesticides	Rom Vijay Biotech Pvt Ltd., Pondicheery	2006-08	1.72
Dr. M. D. Sundaram	On Site Institutional Composting - Technology Development for the nullification of environmental and health hazards during aerobic bioprocessing of organic solid waste	Department of Science and Technology, GOI	2007 -10	10.72
PI Dr. SM. Muthukkaruppan CO-PI Dr. N. Ramanathan Dr. C. Sekar	Studies on the microbial solubilization of organic siliceous rice residues and its impact on the enhancement of blast diseases management in lowland rice grown under Cauvery deltaic regions of Tamil nadu.	UGC	1.2.09 1.2.12	5.74.
Dr. V. Muralikrishnan	Rural Empowerment through biofertilizers microbial pesticides and biocompost production technology for coastal agriculture	DBT	2007 -10	9.09
P.I. Dr. B. Karthikeyan Co.PI Mr. K. Muthuselvam	Evaluation of Sripaddi and morecane liquid fertilizers on sugarcane, Banana and Vegetables	MRP Agro Chemicals Cuddalore	Oct 2008 - Jun 2010	0.40
P.I Mr.J. Srimannarayanan CO.PI Mr. R. Parthasarathi	Studies on Enhanced fertility of paddy and selected tree crops using SRI PADDI and MORNUT liquid fertilizer	MRP Agro Chemicals Cuddalore	Oct 2008 - Jun 2010	0.40

## 18. Inter-institutional collaborative projects and grants received

a) All India collaboration - Nil

b) International : Nil

## 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.

DST	10.72
DBT	9.09
UGC	47.00
Non SAP	30.00
Other Funding Agency: TNSCST	3.06
Ram Vijay and MRP Agro chemicals	4.72
	104.53

## 20. Research facility / centre with

- State recognition
- National recognition
- International recognition -NIL

## 21. Special research laboratories sponsored by / created by industry or corporate bodies – Nil

### 22. Publications:

- Number of papers published in peer reviewed journals (national / international) 202 (Annexure – I)
- Monographs 02
- Chapters in Books 01
- Edited Books 02
- Books with ISBN with details of publishers – 08
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) Nil
- Citation Index – range / average : 10.5
- SNIP Nil
- SJR Nil
- Impact Factor – range / average :1.5 – 2.0
- h-index : - Nil

### 23. Details of patents and income generated Nil

### 24. Areas of consultancy and income generated Nil

### 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: 01

### 26. Faculty serving in

- a) National committees : 01
- b) International committees : Nil
- c) Editorial Boards : 02
- d) Any other (please specify) : Nil

### 27. Faculty recharging strategies

The faculties in the department are encouraged to participate in the Workshops, Short Term Training Programmes, Refresher Courses, Faculty Development Programme, In-service Training, etc. to facilitate knowledge sharing and provide platform to the faculties working in similar areas of subject.

### 28. Student projects

- Percentage of students who have done in-house projects including inter-departmental projects
- Percentage of students doing projects in collaboration with other universities / industry / institute : Nil

### 29. Awards / recognitions received at the national and international level by

Year	Names	Award Earned
2008-09	Dr. B. Karthikeyan	Sri Lochani Varadharajulu Endowment Award by Annamalai University.
2009-10	Dr. P.K. Sivakumaar	Sri Lochani Varadharajulu Endowment Award by Annamalai University.
2010-11	Dr. R. Parthasarathi	Sri Lochani Varadharajulu Endowment Award by Annamalai University.
2010-11	Dr. N. Ramanathan	Best Teacher award by Annamalai University.
2011- 12	Dr. D. Stella	Best Review Paper Award – 2011 by International Journal of Pharmaceutical and Biological Archives.
2011-12	Dr. B. Karthikeyan	Sri Lochani Varadharajulu Endowment Award by Annamalai University.

- Doctoral / post doctoral fellows : Nil
- Students : Nil

### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.: Nil

### 31. Code of ethics for research followed by the department

- The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on good research practices (GRP)
- All researchers are aware and comply with the ethical and legal requirements relating to human participants, animals, disclosures of personal information, biological material transfer and testing, and standard procedures for undertaking research. All research follows the standard procedures for conducting research laid down by relevant scientific and professional bodies.
- All research involving use of data and material relating to human subjects as well as laboratory animals are approved by the Ethical Committees constituted by our University. No research is undertaken until all of the required approvals and authorizations are given from the appropriate ethical committees.
- The Institutional Animal Ethics Committee (IAEC) examines proposals for the conduct of animal studies. The rules for Good Laboratory Practice established by the committee for the purpose of control and supervision on experiments on animals (CPCSEA) under the guidance of an authorized veterinarian.
- The institutional human ethics committee (IHEC) scrutinizes the use of human volunteers and clinical samples for research. Sampling of human tissues and biological fluids conform to the ethical guidelines for biomedical research on human participants (2006) issued by the Indian Council of Medical Research, New Delhi.
- The Research students pursuing their M.Phil and Ph.D Programmes do a course work on Research methodology, in which they are taught all the ethical issues detailed above.

### 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
M.Sc.(Ag) Microbiology	2007-08	4	1	3	100	100
	2008-09	Nil	--	--	--	--
	2009-10	4	4	0	75	--
	2010-11	1	0	1	100	100
	2011-12	Nil	--	--	--	--
Ph.D. Agri (Microbiology)	2007-08	6	3	3	-	-
	2008-09	2	2	--	--	--
	2009-10	2	1	1	--	--
	2010-11	--	--	--	--	--
	2011-12	2	1	1	--	--

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc.(Ag)	100	--	--	--
Ph.D.,(Agri)	90	10	--	--

### 34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. : Nil

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	--
PG to Ph.D.	50
Ph.D. to Post-Doctoral	--
Employed	
• Campus selection	
• Other than campus recruitment	25
Entrepreneurs	--

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	89
from other universities within the State	11
from universities from other States	--
from universities outside the country	--

### 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period

Ph.D	13
Full time	--
Part time	13

### 38. Present details of infrastructural facilities with regard to

#### a) Library

No. of books on the subject in			National journals subscribed (give names)	International journals subscribed (give names)
Library			1. Indian Journal of Microbiology	Canadian Journal of Microbiology
General	Faculty	Department	2. Journal of Association of applied Microbiologists of India	Journal of Bacteriology
--	--	649		

b) Internet facilities for staff and students 10 Nos

c) Total number of class rooms: 7 Nos

d) Class rooms with ICT facility: Nil

e) Students laboratories : 3

f) Research laboratories : 2

### 39. List of doctoral, post-doctoral students and Research Associates

a) from the host university : b) from other universities : Nil

40. Number of post graduate students getting financial assistance from the university? : 1

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. : Nil

### 42. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

- The syllabus is being revised every year in line with state agricultural university and ICAR to be up dated with the latest development in the subject.



- The faculty in the department is encouraged to participate in summer schools/trainings and refresher courses to learn and keep updated in the subject.

**b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

- On completion of the semester the feed back from students is obtained for every course and short comings if any pointed by the students are corrected.

**c. Alumni and employers on the programmes offered and how does the department utilize the feedback?**

- The alumni of the department are encouraged to be in touch with the department and they offer counseling for the improvement of the department in terms of quality and also for getting jobs for the students.

**43. List the distinguished alumni of the department (maximum 10)**

Name	Positions
Dr. S. Kannaiyan	Vice Chancellor, TNAU, Coimbatore
Dr. N.N. Prasad	Former Dean Principal, Faculty of Agriculture, A.U, Guntur, AP
Dr. R. Sridhar	Principal Scientist (Retd.), Central Rice Research Institute, Cuttack, Orissa
Dr.P. Vidhyasekaran	Director, CPPS (Retd.), TNAU, Coimbatore - Visiting Professor, Texas State University, USA
Dr. L. Ragunathan	Director (Retd.), Directorate of Plant Protection & Storage, Faridabad, (U.P)
Dr. K. Ramasamy	Former Dean & Vice Chancellor, Karpagam university, Adhiparasakthi Agricultural College, Kalavai, Vellore Dist.
Dr. T. Marimuthu	Director, CPPS (Retd.) , TNAU, Coimbatore
Dr.K.Kumar	Professor & Head, Dept.of Microbiology, TNAU, Madurai
Dr.S.P.sundaram	Professor & Head, Dept.of Microbiology, TNAU Trichy
Dr.R.Tamilvendan	Associate Professor, TNAU Coimbatore

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Endowment lectures are being organized by the department with lead lectures by eminent scientists.
- Agricultural research society also organizes lectures

**45. List the teaching methods adopted by the faculty for different programmes.**

- Classes are being conducted with LCD power points and OHP's.
- Students are encouraged to take class seminars and assignments.
- Hands on training are being given on entrepreneurial skills like Biofertilizer production and biocontrol agent production technologies.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

- By conducting Mid Semester exams
- By giving Assignments

**47. Highlight the participation of students and faculty in extension activities.**

The Extension activity of the department included Farmer's field visits, organizing of meetings, and conduct of exhibitions to popularize new agricultural technologies developed by the department. The subject matter specialists make field visit based on the problems expressed by the farmers to make spot study, to diagnose the cause and to give solutions. The

demonstrations relating to Bio-fertilizer technology especially the methods of application well received by the farmers and found useful to them.

The department of Microbiology organized various training programmes on Bio-inoculants production, quality control and the application methods to Assistant Directors of Agriculture, Agriculture Officers, Agriculture Chemists, Additional Directors and Deputy Directors, Government of Tamil nadu. The training programmes were conducted at various places. Biofertilizers, *Azospirillum*, *Rhizobium* Phosphobacteria were mass produced and supplied to Agriculture faculty farm and garden, farmers and NGO'S

#### 48. Give details of "beyond syllabus scholarly activities" of the department.

- Giving special lectures to other University & Colleges

#### 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. Yes

B++ By NAAC

#### 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Development of Flocculated culture of *Azospirillum* biofertilizer

#### 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

##### Strengths :

- Ongoing individual major projects : 10 nos.
- Excellent library facility

##### Weaknesses

- Rural Students with poor English Language
- Rural students with poor computer knowledge
- No patent applications

##### Opportunities

- Involvement of industry in curriculum development and training for faculty and students.
- Consultancy and technical services for industries and institutions
- Interaction with farming community for the faculty and students

##### Challenges

- To motivate the students to clear national level competitive exams.
- To take research into newer heights especially in the field of nanotechnology, Microbial biotechnology molecular Biology and Genetic Engineering.

#### 52. Future plans of the department.

- Establishing a centre for microbial culture collection.
- Developing met genomic library for preserving mycorrhizal fungi.
- Diagnostic centre for food borne pathogens and food toxicity.

## DEPARTMENT OF SOIL SCIENCE AND AGRICULTURAL CHEMISTRY

1. **Name of the Department** : Soil Science and Agricultural Chemistry
2. **Year of establishment** : 1979
3. **Is the Department part of a School/Faculty of the university?** Yes, Faculty of Agriculture
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**  
M.Sc. (Ag.) and Ph.D.in Soil Science and Agricultural Chemistry
5. **Interdisciplinary courses and departments involved** – M.Sc. (Herbal Science)
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :-** Nil
7. **Details of programmes / courses discontinued, if any, with reasons-** Nil
8. **Annual/ Semester/Choice Based Credit System** – CBCS
9. **Participation of the department in the courses offered by other departments-** Nil
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned *	Actual**
Professor	01	6
Associate Professors	01	1
Asst. Professors	07	15

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

### 11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Staff Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. M.Ravichandran	M.Sc.(Ag.),Ph.D.	Professor and Head	Soil Fertility and Soil Chemistry	29	4
Dr. A.Angayrakanni	M.Sc.(Ag.),Ph.D.	Professor	Soil Fertility	22	2
Dr. K.Arivazhagan,	M.Sc.(Ag.),Ph.D.	Professor	Soil Fertility	21	
Dr. M.V.Srirama chandrasekharan,	M.Sc.(Ag.),Ph.D.	Professor	Soil Fertility	20	
Dr. P.Poonkodi	M.Sc.(Ag.),Ph.D.	Professor	Pedology	19	1
Dr. R.Singaravel	M.Sc.(Ag.),Ph.D.	Professor	Soil Fertility	18	2
Dr. K.Dhanasekaran	M.Sc.(Ag.),Ph.D.	Professor	Soil Fertility	18	1
Dr. D.Venkatakrishnan	M.Sc.(Ag.),Ph.D.	Assistant Professor	Soil Fertility	10	
Dr. S.Srinivasan	M.Sc.(Ag.),Ph.D.	Assistant Professor	Soil Fertility	10	
Mr. M.Rasavel	M.Sc.(Ag.),	Assistant Professor	Soil Fertility	9	
Dr. V.Arunkumar	M.Sc.(Ag.),Ph.D.	Assistant Professor	Pedology	8	
Dr. N. Senthil Kumar	M.Sc.(Ag.),Ph.D.	Assistant Professor	Soil Fertility	8	
Dr. P.K.Karthikeyan	M.Sc.(Ag.),Ph.D.	Assistant Professor	Soil Fertility	8	

Staff Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. D.Elayaraja	M.Sc.(Ag.),Ph.D.	Assistant Professor	Soil Fertilty	8	
Mr. R.Manivannan	M.Sc.(Ag.),	Assistant Professor	Soil Fertilty	6	
Mr. S.Sathiyamurthi	M.Sc.(Ag.),	Assistant Professor	Soil Fertilty	6	
Mr. P.Kamalakannan	M.Sc.(Ag.),	Assistant Professor	Soil Fertilty	6	
Dr. R.Bhuvaneswari	M.Sc.(Ag.),Ph.D.	Assistant Professor	Soil Fertilty	6	
Mr.T.Muthukumararaja	M.Sc.(Ag.),	Assistant Professor	Soil Fertilty	6	
Mr.P.Senthilvalavan	M.Sc.(Ag.),	Assistant Professor	Soil Fertilty	4	
Ms.K.Suhathiya	M.Sc.(Ag.),	Assistant Professor	Soil Fertilty	4	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: -Nil**

**13. Percentage of classes taken by temporary faculty – programme-wise information –Nil**

**14. Programme-wise Student Teacher Ratio : 1: 4**

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

Staff	Actual
Technical staff	1
Administrative staff	14

**16. Research thrust areas recognized by funding agencies-**

Use of flyash in Agriculture	Recycling of organic wastes
Lignite humic acid based fertilizers for crops	Precision agriculture
Silicon nutrition for crops	Fortified micronutrients for sustained crop growth
Degraded coastal problem soils	Carbon sequestration for increased productivity in rice

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Effect of TDE 520 in Tomato	Dr. R.Singaravel- PI	T. Stanes	2006-07	0.30
Effect of liquid formulations of Symbion-N and Symbion-P on bhendi	Dr. R.Singaravel- PI	T. Stanes	2006-07	0.25
Recycling of organic wastes for increasing fertility and productivity of groundnut in Tsunami affected soils	Dr. R.Singaravel - PI	TNSCST	2006-08	0.05
Effect of different levels of K and Mg on yield and quality of turmeric	Dr.P.K.Karthikeyan- PI-I Dr.M.Ravichandran-PI-II	IPI, Switzerland	2006-08	\$ 2500
Studies on the foliar fertilization of nutrients and growth regulators on rice fallow black gram	Dr.M.Ravichandran- PI	TNSCST	2007-08	0.05
Precision nutrition in Tomato under green house production system	Dr. M.Ravichandran- PI-I Dr.K.Sekar Hort.- PI-II	UGC	2007-10	6.89
“Technology development for the fortification of organic	Dr. R.Singaravel- PI	DST & TNSCST	2007-10	10.51

wastes for increasing efficiency of micronutrients for sustainable crop production in degraded soils of coastal ecosystem"				
Exploitation of underutilized coastal waste land for increasing medicinal plant production through participation of fisher and agricultural women folks	Dean(Agri) -CO-I Director-MarineBiolCO-II Dr. R.Singaravel-PI-I Dr.T.Ramanathan Marine biology -PI-II	NMPB, New Delhi	2007-10	12.00
Restoration and Rehabilitation of Tsunami affected coastal eco-system through alternate livelihood involving agriculture, animal husbandry and fisheries	Dean(Agri) -CO-I Director-MarineBiolCO-II Dr.A.Eswaran-PI-I Dr.T.Ramanathan -PI-II Dr. R.Singaravel-Co-PI Dr.S.Vijil AnbaiahCo-PI Dr.P.AnantharamanCo-PI	DST & TNSCST	2009-11	23.20
Effect of MOP and SOP on yield and quality of rice	Dr.P.K.Karthikeyan- PI-I Dr.M.Ravichandran-PI-II	Pot.Res.Inst, India,Gurgan	2009-11	1.05
Studies on zinc management in low land rice soils	M.V.Sriramachandra sekar- PI	TNSCST	2009	0.05
Studies on Bio efficiency of humic plus and formula plus on cotton and bhendi	K.Dhanasekaran- PI	M/s Agro Sci.Lab., Vadalur, TN	2009- 11	0.25
Enhancing productivity of low land rice through silicon nutrition	Dr.M.Ravichandran- PI	TNSCST-Chennai	2010	0.10
Fertility mapping through spatial variability in rice growing soils of Cuddalore Dt	V.Arunkumar- PI P.Senthilvalavan-Co-PI	(IPNI),India	2010-11	2.0
Effect of NPK and Humic acid formulations on the performance of bhendi	D.Elayaraja- PI	TNSCST	2010-11	0.06
Waste Minimization through Co-composting of on and off farm wastes for sustainable crop productivity & soil health	A.Angayarkanni- PI P.Poonkodi-Co-PI M.V.Sriramachandrasedkaran- Co-PI	Ministry of Environment and Forest.	2010-12	40.0
Assessment of potassium on turmeric at different farmers' location Inceptisols	Dr.P.K.Karthikeyan- PI-I DrM.Ravichandran- PI-II	IPI -Switzerland	2010-12	\$ 3450
Effect of sulphate of potash on the yield and quality of rice	Dr.P.K.Karthikeyan- PI-I DrM.Ravichandran- PI-II	Pot.Res.Inst, India,Gurgan	2011-12	1.05
Characterization and Evaluation of Calcium Boro-Humate - A New Boron Fertilizer for Efficient Management of Boron to Tomato	Dr.K.Dhanasekaran- PI Dr.D.Venkatakrishnan-Co-PI	UGC - New Delhi	2011-14	5.53
Soil Health Management through Micronutrient Fortified Bio-resources for Sustainable Vegetable Production in Salt Affected Soils	Dr.N.Senthilkumar-PI Dr. P.Poonkodi-Co-PI	UGC - New Delhi	2011-14	6.59
Bio - Sequestering terrestrial carbon in the rice production systems of the deltaic agro - system	Dr.M.Ravichandran- PI Dr.M. Ganapathy Co- PI Dr. S.Arunageetha Co- PI Dr.S.Srinivasan Co- PI	DST	2011-14	52.68

Diatomaceous earth as a source of silicon in different crops of Tamilnadu	Dr.M.Ravichandran- PI M.V.Sriramachandra sekarana- CO-PI Dr.D.Venkatakrishnan-Co-PI	Network Project, UAS-Bangalore & AU	2012- 13	7.843
Site specific nutrient management for enhancing rice productivity and restoring soil health in Veeranam command area, Tamilnadu	Dr. V.Arunkumar – PI Dr. P.K.Karthikeyan – CO-PI	UGC – New Delhi	2013 -16	11.90
Management of micronutrients and organic manures for sustainable soil fertility and productivity of sesame in coastal sandy soil.	Dr. D.Elayaraja – PI Dr. R.Singaravel CO-PI	UGC – New Delhi	2013 -16	9.04
Response of rice and banana to silicon nutrition applied through potassium silicate	Dr. M.V.Sriramachandrasekaran – PI Dr. R.Manivannan Co-PI	Kiran Global Chemicals Private Limited	2014	1.745
Development of integrated nutrient management technology for production of medicinal plants in coastal agro ecosystem	Dr. R.Singaravel- PI	National Medical plant Board, Ministry of health and family welfare, New Delhi	2014-17	8.38

## 18. Inter-institutional collaborative projects and grants received

### a) All India collaboration – Nil

Diatomaceous earth as a source of silicon in different crops of Tamilnadu	Dr.M.Ravichandran- PI M.V.Sriramachandra sekarana- CO-PI Dr.D.Venkatakrishnan-Co-PI	Network Project, UAS-Bangalore & AU	2012- 13	7.843
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### b) International -

Assessment of potassium on turmeric at different farmers' location in Inceptisols	Dr.P.K.Karthikeyan- PI-I Dr. M. Ravichandran- PI-II	IPI - Switzerland	2010-12	\$ 3450
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## 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. :- DST-FIST- 38 lakhs

## 20. Research facility / centre with

- state recognition - Nil
- national recognition - Nil
- international recognition - Nil

## 21. Special research laboratories sponsored by / created by industry or corporate bodies – Nil

## 22. Publications:

- Number of papers published in peer reviewed journals (national / international)  
116 (Annexure – I)
- Monographs- Nil
- Chapters in Books- Nil
- Edited Books - Nil

- Books with ISBN with details of publishers – 3  
Sri Velan Pathipagam, Chidambaram; (2) Giri Publication, Chidambaram, (3) A.P.H. Publishing Corporation, New Delhi

Author	Name of the Book	Title of the Chapter	Publisher	Year
Dr.V.Arunkumar	Geospatial Technology ISBN No. 978-81-86772-56-0	Soil Resource mapping using Remote Sensing	New Academic Publishers, New Delhi	2013
		Land Degradation: Role of Remote Sensing and GIS		2013

- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index – range / average
- SNIP
- SJR
- Impact Factor – range / average
- h-index

### 23. Details of patents and income generated - Nil

### 24. Areas of consultancy and income generated -

Use of Fly ash in Agriculture in and around NTPC- 51.1 lakh

### 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad – Dr. R. Singaravel, Professor, University of Western Australia, Perth

### 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

- Dr.M.Ravichandran- Professor and Head , served as Executive Committee member of The Indian Society of Soil Science
- M.Ravichandran, Referee for Mysore Journal of Agrl. Sciences Hebbal, Bangalore 2007.
- A.Angayarkanni, Referee for Indian Journal of Agricultural Research, Karnal, Haryana, 2007
- A.Angayarkanni , Referee for Agricultural Science digest Karnal, Haryana, 2007
- P.Poonkodi, Serving as referee for Mysore Journal of Agrl. Sciences, Hebbal, Bangalore, 2007
- P.Poonkodi, Referee for Advances in Plant Sciences, Muzaffarnagar, UP, India, 2007.
- P.Poonkodi, Member in Editorial Advisory Board in Asian Journal of Soil Science Hind Agri – Horticultural Society, Muzaffarnagar, UP,India -2007
- P.Poonkodi, Serving as Secretary in Asian Journal of Soil Science Society, Hind Agri – Horticultural Society, Muzaffarnagar, UP,India -2010
- P.Poonkodi, Member in Editorial Advisory Board in International Journal in Plant Sciences Serving as Hind Agri – Horticultural Society, Muzaffarnagar, UP, India -2007.

### 27. Faculty recharging strategies-

The faculties in the department are encouraged to participate Workshops, Short Term Training Courses, Refresher Courses, Faculty Development Programmes, etc.

### 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects- Nil
- percentage of students doing projects in collaboration with other universities / industry / institute – Nil

## 29. Awards / recognitions received at the national and international level by

### ➤ Faculty -

Name	Title	Date / Venue
Dr. M.V.Srirama chandrasekaran	Received the Best Teacher Award from Annamalai University	Teachers' Day, 2008
Dr.N.Senthilkumar	Received Environmentalist for the year 2008 award from the National Environmental Science Academy ,New Delhi	In XXI National Annual Conference on 27th to 29th Dec 2008 at Bangalore University Bangalore
Dr.R.Singaravel	awarded Endeavour Research fellowship to pursue post Doctorial Research	Murdoch University , Western Australia from 05.04.2010 to 05.10.2010
Dr.P.K.Karthikeyan	IPI Award- In recognition for Coordinating and contribution to the activities of International potash Institute	International potash Institute, Switzerland 2009
Dr. M.V.Srirama chandrasekaran	Best Oral Presentation award in the National Workshop on Secondary and Micronutrient Nutrition of Crops – Issues Strategies	March 15th 2012. National Agro Foundation, Chennai
Dr. D.Elayaraja	Best Poster Presentation award in the National Workshop on Secondary and Micronutrient Nutrition of Crops – Issues Strategies	March 15th 2012. National Agro Foundation, Chennai

- **Doctoral / post doctoral fellows** – Post Doctoral Fellow in the University of Western Australia, Perth
- **Students** – Nil

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

National seminar	26- 27 Feb- 2009	Resent advances in soil health and crop management for sustainable agriculture	UGC	Dr. M.Ravichandran
National workshop	22nd Jan- 2010	Role of potassium nutrition to sustain crop production in Tamilnadu	IPNI	Dr.V.Arunkumar
National conference	Feb-26, 2010	New challenges and opportunities in soil organic matter research	UGC	Dr.K.Dhanasekaran
National workshop	24& 25 Feb-2011	Organic waste Reclamation, Recycling and Reuse for Sustainable Agriculture	UGC	Dr.A.Angayarkanni
International symposium	4th March- 2011	Recent advances in K fertilizer recommendations for agricultural and horticultural crops”	IPI- Switzerland & AU	Dr.P.K.Karthikeyan

## z31. Code of ethics for research followed by the departments

- Original research work is encouraged and students and researchers are warned against plagiarism .
- The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices (GRP).
- All researchers follow the standard procedures for conducting research laid down by relevant scientific and professional bodies.
- No research is undertaken until all of the required approvals and authorizations are given from the appropriate ethical committees.
- The research students pursuing their Ph.D. programmes do a course work on Research methodology, in which they are taught all the ethical issues detailed above.



**32. Student profile course-wise:**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc.(Ag.)	24	11	6	100	100
Ph.D	10	8	2	100	100

**33. Diversity of students**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc.(Ag.)	80	15	5	----

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise :** Nil

**35. Student progression**

Student progression	Percentage against enrolled
UG to PG	80
PG to M.Phil.	
PG to Ph.D.	50
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	25
• Other than campus recruitment	75
Entrepreneurs	Nil

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	50
from other universities within the State	50
from universities from other States	-
from universities outside the country	-

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period -Ph.D. - 3**

**38. Present details of infrastructural facilities with regard to**

- Library - One
- Internet facilities for staff and students - Yes- 17 connections
- Total number of class rooms- 2 PG Lecture Halls
- Class rooms with ICT facility -One
- Students' laboratories - Three
- Research laboratories - Two

**39. List of doctoral, post-doctoral students and Research Associate;**

- from the host university - Doctoral: 16; Research Associate: One
- from other universities - Nil

**40. Number of post graduate students getting financial assistance from the university? :** Nil

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.** Nil

**42. Does the department obtain feedback from**

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, The University follows a systematic process in the design and development of curriculum. The fundamental purpose of curriculum development is to ensure that students receive integrated, coherent learning experiences that contribute towards their personal, academic and professional learning and development. The courses to be taught are decided by a Board of Educationists based on the need of a particular course and the relevance of the course for the students of that area. The department obtains feedback from faculty on curriculum as well as teaching-learning-evaluation. Based on this the integrated plan for learning is designed both for theory and practical classes in the form of units. The lecture schedule is detailed so that the teacher follows the planned curriculum schedule.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. The information students provide through feedback is used to enhance the quality of education and research. The students are provided with a feedback form to review the relevance of a particular course and its contents. Based on the feedback obtained, suitable modifications are made in the course structure and contents. A separate feedback form is also given to provide students' perception on various aspects of the teachers involved in different courses of study.

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

Feedback is obtained from distinguished Alumni and industry to keep pace with the new avenues and opportunities so as to revise the syllabi accordingly.

**43. List the distinguished alumni of the department (maximum 10)**

Dr. S. Chandrasekaran (1974), Former Dean, Faculty of Agriculture, 21, Kanagasabhai nagar, Chidambaram.
Dr. P. Balasubramanian (1989), Assoc. Professor (Soil Science) Sugarcane Research Station, Sirugamani.
Dr.A.Arjunan (1983), Professor of Plant Physiology, Sugarcane Research Station, Cuddalore.
Dr. K.C. Sreeramamurthy (1987), Sr.Scientist (Bio Chemistry), AC & RI ANGRAU, Bapatla, H.No.60, Sri Vivekananda Colony, Bapatla - 522 101, Andhra Pradesh
Dr. R. Hariharane (1986), Assoc. Professor (Soil Science ), PAJANCOA , Karaikal - 609 605
C.M. Ravikumar (1990), Zonal Manager, EID Parry (I) Ltd., PB No.1553, 66, R.D. Road, Secunderabad.
Dr. B. Raghupathy (1988), Former Professor and Head, Mariappa nagar, Chidambaram - 608 002
Dr. R. Govindasamy (1992), Former Professor and Head, Kanagasabhai nagar, Chidambaram - 608 001
R. Sankar (1990), Assoc. Professor (Soil Science ), PAJANCOA, Karaikal - 609 605
K. Kumaran (1990), Sr. Scientist, Fredrick Research Institute for Plant Protection and Chemicals, Padappai.

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Agro industrial and anthropogenic liquid waste - Boon or Bane - C. Srinivasamurthy, Professor , UAS, Bangalore.
- Organic farming- beliefs and facts - Dr. A. Baskaran, Professor, PAJANCOA, Karaikal.
- Secondary Agriculture- Dr. N. Saifuddin, Professor, KAU, Kerala.

**45. List the teaching methods adopted by the faculty for different programmes.**

Powerpoint presentations, OHP, Video lectures

**46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Continuous assessment through tests, assignments, quiz, seminars and practical exams.

**47. Highlight the participation of students and faculty in extension activities.-**

RAWE program , Rural Development activities, NSS

**48. Give details of “beyond syllabus scholarly activities” of the department.**

Hands on training to students, Awareness campaigns, Farmers meet, Special lectures, Method demonstrations

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.** Nil**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

Technology development for chelated micronutrients, use of lignite flyash for bumper yield in crops, Technology development for fortification of organic wastes.

**51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.****Strength:**

- Human Resource, Infrastructure, access to rural farming community, Research grants, Publications, Residential University
- Good laboratories
- Ongoing individual major projects: 26 Remedial classes for weaker students.
- Advanced research instrumentation facility and excellent library facility

**Weakness:**

- Lack of diversified crops
- Semi-urban set up
- Rural students with poor communication skills
- Reluctance to pursue higher studies
- Educationally backward area

**Opportunities:**

- Multi- disciplinary Institution
- Despite, the University Department being located in a rural area, it is surrounded by SIPCOT industries and several educational institutions.
- The students have enormous opportunities for career advancement.
- Opportunities for students to develop their entrepreneurial skills
- Opportunity to handle sophisticated high end instruments

**Challenges:**

- Addressing the technological requirements of local farmers.
- To motivate the students to clear national level competitive exams.
- Formulating methodology for site specific nutrient management
- Vagaries of the monsoon
- Motivate students to develop their inter personal relationship

**52. Future plans of the department.**

- Carbon sequestration for rice based cropping system
- Silicon nutrition for crops

## DEPARTMENT OF GENETICS AND PLANT BREEDING

**1. Name of the Department :** Genetics and Plant Breeding

**2. Year of establishment :** 1958

**3. Is the Department part of a School/Faculty of the university?**

Yes. Department in the Faculty of Agriculture, Annamalai University.

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

M.Sc. (Ag.) Genetics and Plant Breeding;      M.Sc.(Ag.) Seed Science and Technology;  
M.Sc.(Ag.) Agricultural Biotechnology;

Ph.D. Genetics and Plant Breeding;      Ph.D. Seed Science and Technology

**5. Interdisciplinary courses and departments involved**

Interdisciplinary courses: Resistance Breeding

Departments involved: Dept. of Entomology and Dept. of Plant Pathology

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

**7. Details of programmes / courses discontinued, if any, with reasons**

**8. Annual/ Semester/Choice Based Credit System :** Semester system

**9. Participation of the department in the courses offered by other departments**

M.Sc. (Ag.) students of Dept. of Genetics and Plant Breeding are attending courses offered by the Departments of Agronomy and Horticulture.

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned *	Actual**
Professors	01	8
Associate Professors	--	2
Asst. Professors	--	22

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. S. Thirugnana Kumar	Ph.D	Professor and Head	Molecular genetics, Biotechnology, Mutation Breeding, Recombination breeding	20	3
Dr. M. Prakash	Ph.D	Professor	Stress physiology, MAS, Mutation breeding	21	4
Dr. S. Murugan	Ph.D	Professor	Recombination Breeding,	20	3
Dr. P. Senthil Kumar	Ph.D	Professor	Biotechnology, Heterosis breeding	19	2

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr.(Mrs.) S. Padmavathi	Ph.D	Professor	Hybrid seed production, Seed Technology	20	4
Dr. Y. Anbuselvam	Ph.D	Professor	Genetics and Cytogenetics, Biometrics, Biotechnology	18	3
Dr. P. Thangavel	Ph.D	Professor	Biometrics, Mutation Breeding, Heterosis Breeding.	17	2
Dr. K. Saravanan	Ph.D	Professor	Quantitative Genetics, Biometrics analysis.	15	5
Dr. N. Senthil Kumar	Ph.D	Associate Professor	Heterosis breeding, Genetics and Vegetable breeding	14	1
Dr.(Mrs.) Y. Anitha Vasline	Ph.D	Associate Professor	Mutation Breeding, Heterosis Breeding	14	
Dr. J. Gokulakrishnan	Ph.D	Assistant Professor	Heterosis breeding	12	
Dr. R. Elangaimannan	Ph.D	Assistant Professor	Genetics and Cytogenetics, Heterosis Breeding, Biometrics	12	
Dr. B. Sunil Kumar	Ph.D	Assistant Professor	Biotechnology, Heterosis breeding	12	
Dr. T. Sabesan	Ph.D	Assistant Professor	Heterosis Breeding, Cell Biology and Genetics	12	
Mr. S. Ezhil Kumar	M.Sc.(Ag.)	Assistant Professor	Seed Production and Seed Testing.	11	
Dr. R. Eswaran	Ph.D	Assistant Professor	Heterosis Breeding, Mutation Breeding.	11	
Dr. G. Sathiyarayanan	Ph.D	Assistant Professor	Seed Halogenation.	10	
Dr. V. Anbanandan	Ph.D	Assistant Professor	Recombination Breeding	11	
Dr. C. Praveen Sampath Kumar	Ph.D	Assistant Professor	Heterosis Breeding , Mutation Breeding	10	
Dr. M. Venkatesan	Ph.D	Assistant Professor	Rice Breeding, Innovative Breeding , Hybrid rice	8	
Dr. P. Karthikeyan	Ph.D	Assistant Professor	Resistance Breeding, Mutation Breeding	8	
Dr. K. Palaniraja	Ph.D	Assistant Professor	Heterosis Breeding, Mutation Breeding	7	
Mr. J.L. Joshi	M.Sc. (Ag.)	Assistant Professor	Recombination Breeding	8	
Dr. R. Anandan	Ph.D	Assistant Professor	Biotechnology Tissue culture	7	
Dr. K.R. Saravanan	Ph.D	Assistant Professor	Heterosis breeding, Mutation breeding	7	
Dr. S. Vennila	Ph.D	Assistant Professor	Heterosis Breeding, Mutation Breeding.	6	
Dr. S. Suganthi	Ph.D	Assistant Professor	Heterosis Breeding, Mutation Breeding.	6	
Dr. S. Ranjith Rajaram	Ph.D	Assistant Professor	Heterosis Breeding, Mutation Breeding.	5	
Mr. A. Kamaraj	M.Sc. (Ag.)	Assistant Professor	Hybrid seed production, Seed Technology	5	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Mr. P. Satheesh Kumar	M.Sc. (Ag.)	Assistant Professor	Heterosis Breeding, Mutation Breeding.	4	
Mr. V. Arivoli	M.Sc. (Ag.)	Assistant Professor	Heterosis Breeding, Mutation Breeding.	4	
Mr. R. Narayanan	M.Sc. (Ag.)	Assistant Professor	Heterosis Breeding, Mutation Breeding.	4	

## 12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors

## 13. Percentage of classes taken by temporary faculty - programme-wise information

## 14. Programme-wise Student Teacher Ratio : 1.1 : 1 (Post - Graduate and Ph.D)

## 15. Number of academic support staff (technical) and administrative staff: sanctioned and filled

Staff	Actual
Academic support staff (technical)	2
Administrative staff	10

## 16. Research thrust areas recognized by funding agencies

Thrust areas identified in UGC SAP Programme

- Abiotic stress tolerance in crop plants
- Induced mutagenesis for cytoplasmic genic male sterility in sesame.

## 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

Principal Investigator	Title of the Project	Funding Agency	Duration	Amount (in Lakhs)
Dr. M. Prakash	Studies on the effect of 28-homobrassinolides on assimilate partitioning and yield attributes of sesame	UGC, New Delhi	2005 – 2008	6.659
Dr. S. Padmavathi	Improving the Seed Quality and storability of Vegetable Seeds by halogen mixtures & other chemicals	TNSCST, Chennai	2006-2007	0.05
Dr. P. Senthil Kumar Dr. K. Saravanan	Breeding of hybrid sesame ( <i>Sesamum indicum</i> L.) and standardization of cost effective manual seed production Technique	UGC, New Delhi	2006 – 2009	5.200
Dr. N. Senthil Kumar	Breeding saline tolerant okra (Rice fellow) suitable for coastal ecosystem	UGC, New Delhi	2008-2011	6.49
Dr. N. Senthil Kumar	Breeding yellow vein mosaic virus resistance combined with high yield in okra	DST, New Delhi	2008-2011	5.28
Dr. R. Elangaimannan	Studies on seed filling ability and identification of the genotypes with high nutritional and good cooking qualities in Blackgram ( <i>Vigna mungo</i> L. Hepper)	TNSCST, Chennai	2008-2009	0.050

Principal Investigator	Title of the Project	Funding Agency	Duration	Amount (in Lakhs)
Dr. T. Sabesan	Interspecific hybridization in redgram	UGC, New Delhi	2008-2011	7.83
Dr. M. Prakash Dr. S. Padamvathi Dr. B. Sunil Kumar Dr. G. Sathiyarayanan	Studies on the influence of fly ash seed pelleting on growth and yield parameters in sesame	DST, New Delhi	2009-2012	16.570
Dr. M. Prakash Dr. A. Anandan Dr. T. Sabesan Dr. R. Eswaran	"Molecular characterization and development of aerobic rice ( <i>Oryza sativa</i> .L) using SSR marker"	UGC, New Delhi	2010-2013	8.498
Dr. Y. Anbuselvam	"Development of Submergence tolerant Rice cultivars through marker assisted backcross breeding"	UGC, New Delhi	2012-2015	7.893
Dr. R. Elangaimanan	"Induction of genetic variability and identification of superior variants for yield and biochemical traits in <i>Gloriosa Superba</i> "	UGC, New Delhi	2012 - 2015	8.778
Dr. B. Sunil Kumar	"Evolving a high yielding drought tolerant greengram ( <i>Rice Fallow Pulse</i> ) through molecular manipulation"	UGC, New Delhi	2012 - 2015	8.160
Dr. N. Senthil Kumar	"Screening Okra ( <i>Abelmoschus Esculentus</i> (L.) moench) genotypes for yellow vein mosaic virus resistance combined with high fruit yield suitable for coastal ecosystem"	UGC, New Delhi	2013-2016	15.40
Dr. G. Sathiyarayanan	"Exploitation of medicinal herbs to alleviate moisture stress and enhancing yield potential in sesame ( <i>Sesamum indicum</i> L.) under rainfed condition through molecular approach"	UGC, New Delhi	2013-2016	7.95

## 18. Inter-institutional collaborative projects and grants received

a) All India collaboration b) International

## 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.

UGC SAP, - 50 Lakhs + 2 Project Fellow – DST-FIST - 38 Lakhs

## 20. Research facility / centre with

- state recognition
- national recognition
- international recognition

## 21. Special research laboratories sponsored by / created by industry or corporate bodies - - -

## 22. Publications:

- Number of papers published in peer reviewed journals (national / international)- 180 (Annexure - I)
- Monographs - Nil

➤ Chapters in Books -

Authors	Title of Books	Year
Dr. S. Thirugnanakumar	Seed genetics in relation to yield in sesame : The Genus Sesamum. CRC Press, London.	2010
Dr. S. Thirugnanakumar	Enhancement of Gamma rays mutagenicity by ethidium bromide and ethyl methane sulphonate in cowpea. In: Legumes, their production, improvement and protection (Prakash M and S. Murugan Eds.), Satish Serial Publishing House, Delhi, pp. 51-59.	2010
Dr. S. Thirugnanakumar	Spectrum of induced chlorophyll mutations in cowpea (Vigna unguiculata (L.) Walp.). In: Legumes, their production, improvement and protection (Prakash M and S. Murugan Eds.), Satish Serial Publishing House, Delhi, pp. 125-134.	2009
Dr. S. Thirugnanakumar	Crop biodiversity conservation: Hopes for future food security and sustainability in agriculture. In: Stable food production and sustainable agriculture (Sengar, R.S. and Sharma, A.K. Eds.), Stadium Press (India), pp. 437-448.	2010
M. Prakash	Responses of sesame to plant growth regulators, micronutrients and salinity Sesame : The Genus Sesamum. CRC Press, London. P 241-248.	2010

➤ Edited Books -

Authors	Title of Books	Year
M. Prakash S. Murugan	Legumes : Their Production, Improvement and Protection. Sathish Serial Publishing House, Delhi. ISBN 81-89304-70-4.	2009
M. Prakash, P. Senthil Kumar Y. Anbuselvam	Crop Improvement Strategies for Sustainable Agriculture. Sri Velan Pathippagam, Chidambaram, ISBN No.: 978-81-909322-1-9	2009
M. Prakash	Seed Physiology of Crops. Sathish Serial Publishing House, New Delhi. ISBN : 81-89304-96-8.	2011

➤ Books with ISBN with details of publishers - 6

Authors	Title of Books	Year
S. Thiruganana Kumar K. Manivannan, S. Manickavasagam and R. Usha Kumari	Organelle genome in plant breeding. ISBN No. 9788177543643. AGROBIOS (INDIA), Jodhpur, Rajasthan.	2008
S. Thirugnana Kumar K. Manivannan, M. Prakash, R. Narasimman, Y. Anitha Vasline,	In Vitro Plant Breeding. AGROBIOS (INDIA), Jodhpur, Rajasthan. ISBN No. (10): 81-7754-399-9, ISBN No. (13): 978-81-7754-399-5.	2009
S. Thirugnana Kumar, K. Saravanan, N. Senthil Kumar R. Eswaran, A. Anandan	Quantitative Genetics and Crop Breeding. New India Publishing Agency, New Delhi. ISBN : 978-93-80235-98-1.	2012
N. Senthil Kumar A. Anandan	Genetics. Sri Velan Pathipagam, Chidambaram. ISBN 978-81-909322-5-7.	2009
M. Venkatesan, P. Karthikeyan C. Praveen Sampath Kumar, K. Palaniraja, Ms. S. Vennila.	A text book on crop botany. Swathika Pathippagam, Karuppur Post, Cuddalore. ISBN : 978-81-909671-9-8.	2010
A. Anandan R. Eswaran	Plant Physiology. Sri Velan Pathipagam, 5/132, S.P. Koil Street, Chidambaram. ISBN : 978-81-909322-9-5.	2011
B. Sunil Kumar M. Prakash	Greengram improvement via biochemical and morpho-physiological traits. Lab Lambert Academic Publishing GmbH and Co., Germany Pg 1-59. ISBN : 978-3-659-12403-7.	2012

- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index - range / average
- SNIP
- SJR
- Impact Factor - range / average
- h-index

## 23. Details of patents and income generated



**24. Areas of consultancy and income generated****25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad****26. Faculty serving in** a) National committees b) International committees c) Editorial Boards d) any other (please specify)

## c) Editorial Boards

1. Dr. S. Thirugnana Kumar

Editorial Board Member	International Journal of Plant Sciences, ISSN-0973-1547
Editorial Board Member	Advances in Plant Sciences, ISSN 0970-3586

2. Dr. M. Prakash

Regional Editor	Global Journal of Plant Ecophysiology, Published by the American-Eurasian Network for Scientific Information (AENSI), Jordan.
Associate Editor	Research Journal of Agricultural Sciences, Awantipora, J&K, India.
Editorial Board Member	Crop Research, Published by Agricultural Research Information Centre, Hisar.
Editorial Board Member	Member, Advisory Board, International J. of Plant Sciences of Hind Institute of Science and Technology, Muzaffarnagar, India, 2008 & 2009.

**27. Faculty recharging strategies**

Faculties are encouraged to participate in the Refresher Courses, Workshops, Short Term Training Courses, In-Service Training, Faculty Development Programme, etc. to facilitate knowledge sharing in similar areas of subject.

**28. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities / industry / institute

**29. Awards / recognitions received at the national and international level by**

## ➤ Faculty

Dr. S. Thirugnana Kumar, Professor received Dr. S. Kannaiyan Endowment - Best Researcher Award - Annamalai University, 2008.

Dr. S. Thirugnana Kumar and Dr. A. Anandan received Srilochani Varadharajulu Endowment prize for Best Research Paper for the year 2009.

Dr. M. Prakash, Professor - received Best Researcher Award, 2010.

Dr. A. Anandan received Srilochani Varadharajulu Endowment prize for Best Research Paper for the year 2010.

- Doctoral / post doctoral fellows
- Students

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Year	National
2007-08	UGC National Seminar on Advances in Legume Research.
2008-09	UGC National Seminar on Crop Improvement Strategies for sustainable Agriculture.
2009-10	UGC SAP Sponsored National Seminar on Emerging Trends in Abiotic Stress Management of Crop Plants.
2010-11	UGC SAP Sponsored National Seminar on Innovative Crop Improvement Techniques.
2011-12	UGC SAP Sponsored National Seminar on Advances in Crop Improvement and Stress Management.
2012-13	UGC SAP sponsored National seminar on Abiotic Stress and crop improvement.

### 31. Code of ethics for research followed by the departments

### 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
Genetics and Plant Breeding	24	21	3	100	100
Seed Science and Technology	8	6	2	100	100
Agriculture Bitotechnology	2	1	-	100	
Ph.D in Genetics and Plant Breeding					
Ph.D Seed Science and Technology	1	1			

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. (Ag.) GPB	73	-	27	-
M.Sc. (Ag.) SST	90	-	-	10
M.Sc. (Ag.) ABT	100	-	-	-
Ph.D (GPB)	-	-	-	-
Ph.D (SST)	100	-	-	-

### 34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. NET - 01

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	4
PG to M.Phil.	-
PG to Ph.D.	10
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	-
• Other than campus recruitment	90
Entrepreneurs	-

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	-
from other universities within the State	-
from universities from other States	-
from universities outside the country	-

### 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period

G. Sathiyarayanan - 2007; P. Karthikeyan - 2007;  
 R. Eswaran - 2008; S. Suganthi - 2009;  
 K.R. Saravanan - 2011; S. Vennila - 2012;  
 K. Palaniraja - 2012; C. Praveen Sampath Kumar - 2012;  
 S. Ranjith Raja Ram - 2012

### 38. Present details of infrastructural facilities with regard to

a) **Library** - The Department is having a well documented library with recent books, journals. Apart from these, the department library is furnished with theses of M.Sc.(Ag.) and Ph.D's.

Books - 158; M.Sc.(Ag.) Theses - 234; Ph.D Theses - 37

Journal available for reference

- Crop improvement
- Crop research
- Research on Crops
- Advances in Plant Sciences
- International Journal of Plant Science
- Plant Archives
- Karnataka Journal of Agricultural Science
- Research Journal of Agricultural Science
- Legume Research
- Global Journal of Plant eco physiology
- Electronic Journal of Plant Breeding
- Oryza
- Indian Journal of Genetics and Plant Breeding
- Indian Journal of Plant Physiology
- Indian Journal of Agricultural Research
- Seed Research

### b) Internet facilities for staff and students

Adequate internet facilities are provided for all the faculty and students.

### c) Total number of class rooms

U.G. Class room; Seminar Hall; Molecular Laboratory;  
P.G. Laboratory; Seed Technology Laboratory

### d) Class rooms with ICT facility

e) **Students' laboratories** :- P.G. Laboratory; U.G. Laboratory; Molecular Laboratory

f) **Research laboratories** :- Tissue culture Laboratory; Molecular Laboratory

### 39. List of doctoral, post-doctoral students and Research Associates

#### a) from the host university

1. Mr. B. Bharathi Veeramani	7. Mr. J. Gnanasekaran	13. Mr. N. Kannan
2. Mr. Manikannan	8. Mr. A. Kamaraj	14. Mr. P. Satheesh Kumar
3. Mr. R. Narayanan	9. Mr. S. Sezhiyan	15. Mr. S.M. Rodney
4. Mr. J.L. Joshi	10. Mr. P. Krishnan	16. Mr. S. Ezhil Kumar
5. Mr. S. Karthik	11. Mr. A. Arivoli	17. Mr. Arun Kumar
6. Mr. J. Nallusamy	12. Mr. S. N. Swamy Gowda	

#### b) from other universities

**40. Number of post graduate students getting financial assistance from the university?** : Nil

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.** Nil

**42. Does the department obtain feedback from**

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? - Yes, based on feed back obtained from students, teachers are advised to improve their skills.

c) alumni and employers on the programmes offered and how does the department utilize the feedback?

**43. List the distinguished alumni of the department (maximum 10)**

Dr.V. Sivasubramanian	Former Professor
Dr. Rajasekar	Former Dean
Dr. S.P. Deivani	Dept. of Biotechnology, Asian Institute of Medicine, Science & Technology, Malaysia.
Dr. Alaguvel	PDF Scientist, Japan
Mr. Kannan	Indian Forest Service, Govt. of India
Mr. Ashok kumar	Deputy Superintendent of Police, Govt. of Tamil Nadu

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Under the UGC SAP Programme, every year UGC SAP National Seminar is organized and special lectures are arranged with external experts.

**45. List the teaching methods adopted by the faculty for different programmes.**

Power point presentations and OHP's are used in class room instruction.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Through periodic evaluation and feed back from students.

**47. Highlight the participation of students and faculty in extension activities.**

Farmers day and village stay programme.

**48. Give details of "beyond syllabus scholarly activities" of the department.**

Participation in seminar and conferences etc.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.****50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Developed Annamalai brinjal, a drought tolerant and aphid resistant variety
- A coastal saline tolerant rice genotype AU4-09-104 (selection from BG11-11) has been identified and forwarded to AICRIP trial, 2010-2011. Since, the genotype performed well than check (>80%), it has been further forwarded to next stage of AICRIP trial.
- YVMV resistant progenies were identified from the combination of AAXML (Arka Anamika X Mohanur Local) in bhendi
- Five genotypes were screened and identified for saline tolerance in bhendi.
- Risk efficient genotypes of greengram suitable for coastal ecosystem of east coast region has been identified and will be multiplied.

## 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

### Strengths :

- Department has been identified for SAP by UGC, FIST and DST
- Strong integration between various disciplines within the department like crop Physiology, Seed Science and Technology and Plant Biotechnology.
- Highly qualified and skilled man power comprising of 32 Faculty and two Research Associates.
- Well advanced biotechnology laboratory, Plant Breeding Farm along with Pot Culture Facility.
- Strong hand in crop improvement - Released "Annamalai Brinjal" a National Check for aphid resistance and Saline tolerant rice variety AU-1.
- Strong tie-up with corporate seed companies in organizing placement for Post Graduate students.

### Weakness :

- Lack of facilities for carrying out advanced research like gene transformation
- Poor water quality in research field
- Unavailability of seed testing laboratory and seed production programme
- Lack of advanced Hands-on training in biotechnology and plant breeding at both national and international level for the faculty.
- Reclamation of soil in Plant Breeding Farm, salinity of water available and constraints of skilled labourers.

### Opportunities :

- As the faculty is situated in the coastal district, research regarding breeding for coastal saline situation is carried out.
- Breeder Seed and Foundation seed production can be undertaken.
- Evolving saline tolerant varieties in rice, blackgram and bhendi.
- To evolve better integration between National (ICAR) and State level research institutions for crop improvement.
- Applying Marker Assisted Selection for varietal development programme.

### Challenges :

- Carrying out Result oriented research i.e., useful to the farming community
- Diversification of research towards less mandatory crops, like minor millets.
- To overcome high temperature stress (both day and night) in crop plants.
- To overcome salinity stress in crop plants.
- Soil fertility restoration by introducing underutilized crops.
- To overcome drought stress in crop plants.

## 52. Future plans of the department.

- Strengthening research on Abiotic stress tolerance
- Identification of trait specific QTL's for coastal salinity and drought tolerance in rice, greengram and blackgram through SSR markers.
- Development of saline and drought tolerant genotypes in rice, greengram and blackgram through MAS.
- Selecting high yielding micro-mutants in sesame through induced mutagenesis utilizing cytoplasmic genic male sterility.

## DEPARTMENT OF HORTICULTURE

**1. Name of the Department - Horticulture**

**2. Year of Establishment -** As Division - 1958 and Department -1991

**3. Is the Department part of a school/Faculty of the University?** Yes, Faculty of Agriculture

**4. Name of the Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated masters; Integrated Ph.D., etc)**

Undergraduate courses B.Sc (Ag.) and B.Sc. (Hort), post graduate courses M.Sc(Hort) and Ph.D (part time/full time) are offered by the Department. PG. Diploma and Diploma courses are offered through DDE.

**5. Interdisciplinary courses and departments involved**

M.Sc Herbal Science, Department of Botany, Annamalai University

**6. Courses in collaborations with other universities, industries, foreign institutions, etc. :**Nil

**7. Details of programmes/courses discontinued, if any, with reasons:** -Nil

**8. Annual/Semester/Choice based Credit system:** Semester system

**9. Participation of department in the courses offered by the other departments**

M.Sc. (Herbal Science)

**10. Number of teaching posts sanctioned and filled (Professors/Associate professors / Asst. Professors)**

	Sanctioned *	Actual**
Professor	01	5
Associate Professor	01	2
Asst. Professor	05	28

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

**11. Faculty Profile with Name, qualification, designation and specialisation (D.Sc. / D.Litt. / Ph.D. / M.Phil., etc.)**

Name of the faculty	Designation	Specialization	No. of years of experience	No. of students working in Ph.D
Dr.K.Manivannan	Professor and Head	Fruit Science, Medicinal and Aromatic Crops	27	3
Dr.Arumugam Shakila	Professor	Fruit Science and Biotechnology	22	2
Dr.K.Haripriya	Professor	Vegetable Science	22	-
Dr.A.Anburani	Professor	Vegetable Science and Post Harvest Technology	20	2
Dr.P.Karuppaiah	Professor	Floriculture and Environmental Horticulture	20	1
Dr.S.Anuja	Associate Professor	Vegetable Science and Post Harvest Technology	16	-
Dr.S.Ramesh Kumar	Associate Professor	Floriculture and Medicinal Crops	15	2
Dr.S.Kavitha	Assistant Professor	Environmental Horticulture	15	-

Name of the faculty	Designation	Specialization	No. of years of experience	No. of students working in Ph.D
Dr.CT.Sathappan	Asst. Professor cum Orchard Manager	Vegetable and Fruit Science	11	-
Dr.S.Venkatesan	Asst.Professor	Medicinal and Aromatic Crops	12	-
Dr.R.Sureshkumar	Asst. Professor	Vegetable Science	12	-
Dr.R.Sudhagar	Asst. Professor	Floriculture	12	-
Mr.N.Dhamodharan	Asst. Professor	Vegetable Science	12	-
Dr.R.Sendhilynathan	Asst. Professor	Medicinal and Aromatic Crops	12	-
Dr.C.Muruganandam	Asst. Professor	Medicinal and Aromatic Crops	12	-
Dr.E.Arivazhagan	Asst. Professor	Vegetable Science and Medicinal Crops	12	-
Dr.S.Madhavan	Asst. Professor	Fruit Science and Medicinal Crops	12	-
Dr.M.Rajkumar	Asst. Professor	Vegetable and Fruit Science	12	-
Dr.K.Sha	Asst. Professor	Vegetable Science	12	-
Dr.P.Madhanakumari	Asst. Professor	Vegetable Science	12	-
Dr.R.Kandasamy	Asst. Professor	Vegetable Science and Biotechnology	11	-
Dr.S.Kamalakannan	Asst. Professor	Vegetable Science and Organic Horticulture	11	1
Dr.J.Padmanaban	Asst. Professor	Floriculture	11	-
Ms.S.Suchitra	Asst. Professor	Medicinal Crops	11	-
Dr.T.Uma Maheswari	Asst. Professor	Vegetable Science and Organic Horticulture	11	-
Dr.D.Dhanasekaran	Asst. Professor	Floriculture	11	-
Dr.A.R.Lenin	Asst. Professor	Medicinal Crops	10	-
Dr.S.Kumar	Asst. Professor	Floriculture	10	-
Mr. Ajish Muraleedharan	Asst. Professor	Medicinal and Aromatic Crops	10	-
Mr.S.Elakkuvan	Asst. Professor	Vegetable Science	9	-
Ms.M.Gayathri	Asst. Professor	Vegetable Science	9	-
Mr.G.Samlind Sujin	Asst. Professor	Vegetable Science	5	-
Mr.R.Arulananth	Asst. Professor	Vegetable Science	5	-
Ms. R.Rajeswari	Asst. Professor	Medicinal and Aromatic Crops	5	-
Mr.S.Sivasankar	Asst. Professor	Medicinal and Aromatic Crops	5	-

**12. List of Senior visiting fellows, faculty, adjunct faculty, emeritus professors: -Nil**

**13. Percentage of classes taken by temporary faculty-programme wise information:- Nil**

**14. Programme wise Student Teacher Ratio**

Year	U.G- (B.Sc (Hort))		P.G (M.Sc(Hort))		Ph.D	
	Number of Students	ST Ratio	Number of Students	ST Ratio	Number of Students	ST Ratio
2009-10	106	3:1	18	1:1	18	1:1
2010-11	158	5:1	26	1:1	12	1:1
2011-12	200	7:1	29	1:1	9	1:1
2012-13	240	8:1	28	1:1	11	1:1
2013-14	308	10:1	36	1:1	11	1:1

### 15. Number of support staff both technical and administrative: Sanctioned and filled.

	Actual
Technical	5
Administrative	12

### 16. Research thrust areas recognized by funding agencies

- Conservation and cultivation of medicinal plants in the Coromandal ecosystem
- RET Medicinal plants- *ex-situ* conservation and utilization in South and North East India
- Standardization of propagation techniques and extraction of Aloe
- Establishment of ethnomedicinal garden of veterinary importance
- Development of suitable agrotechniques for maximizing solasodine content in medicinal solanum (*Solanum viarum Dunal*)
- Eco - friendly techniques for maximizing productivity of *Phyllanthus niruri*
- Off season production of certain vegetable under in green house conditions
- Pond ash reclamation and possibilities of utilization of industrial wastes for revegetation and developing green cover
- Precision nutrition in tomato under green house production system
- Screening of tomato genotypes for drought tolerance
- Standardization of technology for rice fallow cultivation of vegetables under limited irrigation conditions for the Cauvery Delta region
- Evaluation of bio efficacy of Miraculan and Humicil on tomato, brinjal and capsicum
- Evaluation of Gibberellic Acid 10% SL for bioefficacy and phytotoxicity on grapes
- Evaluation of Forchlorfenuron 0.1% for bio- efficacy and phytotoxicity on grapes
- Nutrient management for efficient cultivation of mullai (*Jasminum auriculatum*)
- Bio - efficacy testing of Imidacloprid 2.5% W/W tablets on rose plants
- Micronutrients on growth, yield and quality of chrysanthemum

### 17. Number of faculty with ongoing projects from a) national b) International funding

Name of the project	Principal Investigator	Funding agency	Period	Financial Outlay Rs.(Lakhs)
National Funding Network project on RET medicinal plants- <i>ex-situ</i> conservation and utilization in South and North East India	Dr.K.Manivannan Professor and Head	NMPB	2008- 2011	14.00
Studies on intercropping of medicinal plants in high density banana plantation	Dr.S.Venkatesan Assistant Professor	UGC	2012- 2015	9.45

### 18. Inter-institutional collaborative projects and grants received

Name of the Project	Institution involved	Grants and Achievements
RET Medicinal Plants Conservation and Utilization in South and North East India	IIHR, Bangalore	Rs.14.00 lakhs Important RET medicinal plants have been explored and management practices have been developed.
	UAS, Bangalore	
	TBGRI-Trivandrum	
	Manaomaniam Sundaranar University, Tirunelveli	The project have been completed and proposal for extension has been submitted for approval
	MSSRF, wyanad,	
	St, Joseph College- Trichy	
Kottakal Arya Vaidhyasalai		



### 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE, DBT, ICSSR etc., total grants received

During the X plan period, UGC allotted a grant of Rs. 5 lakhs for infrastructure development. The funds were utilized for equipping the laboratory by purchasing equipments. UGC has provided funds (Rs. 16 lakhs) for implementation of three research projects. A sum of Rs. 37 lakhs were obtained for the development of research facilities in the Department from DST - FIST scheme.

### 20. Research facility/ centre with State, National and International recognition : - Nil

### 21. Special research laboratories sponsored by/ created by industry or corporate bodies: - Nil

### 22. Publications

Year	National	International
2007-08	19	20
2008-09	02	14
2009-10	03	18
2010-11	0	15
2011-12	0	14
2012-13	04	13

List in Annexure -I

### 23. Details of patents and income generated :- Nil

### 24. Areas of consultancy and income generated

1) The expertise given by Dr. K.Manivannan, Professor and Head in the Thane disaster assessment and management during Dec-2011 is note worthy. He has also assisted the state Planning Commission in Planning disaster management strategies for Agriculture.

2) Dr. K.Manivannan has served as a member of the Steering Committee for Hi-tech Agriculture constituted for XII plan proposal by the State Government of Tamilnadu.

### 25. Faculty selected nationally/internationally to visit other laboratories in India and abroad.

Dr.S.Kavitha, Assistant Professor completed PDF at University of South during Australia, 2008.

### 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

1. Dr.K.Manivannan , Professor and Head- South Indian Journal of Horticulture
2. Dr.Arumugam Shakila, Dr.A.Anburani and P.Karuppaiah, Professor - Advances in Plant Sciences
3. Dr.Arumugam Shakila, Professor - Asian Journal of Horticulture

### 27. Faculty recharging strategies

Faculty members attend short courses, refresher courses and summer schools related to horticulture conducted by various National Institutes at regular intervals in under to update their knowledge .

## 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects - Nil
- percentage of students doing projects in collaboration with other universities / industry / institute – Nil

## 29. Awards / recognitions received at the National and International level by Faculty

Name of the Faculty	Prizes / Awards	Venue and Date
Dr.K.Manivannan Professor and Head	Fellow of Indian Society of Ornamental Horticulture	June, 2011
Dr.Arumugam Shakila Professor	Fellow of Hind Agri Horticultural Society (FHAS) Academy of Plant Sciences Award	26 December,2008. G.B.Plant University of Agriculture and Technology, Faiza Bad,2007
	First Prize for poster presentation at Second International Symposium on papaya	9-12 December, 2008, Madurai
Dr.A.Anburani Professor	Academy of Plant Sciences Award First Prize for poster presentation at Second International Symposium on papaya	Department of Botany Marwari College, Ranchi,2009 9-12 December, 2008, Madurai
Dr.P.Karuppaiah Professor	Awarded a cash prize for the successful completion of 5 Ph.D APSI Honours Award	Annamalai University, 2010 Institute of Science, 20-21 November, 2008, Mumbai.
	Best poster presentation award in the National seminar on resource management for sustainable agriculture	Annamlalai University, 2005
Dr.S.Venkatesan Assistant Professor	Second Prize for poster presentation at Second International Symposium on papaya	9-12 December, 2008, Madurai.

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

- National Seminar on “Emerging Trends in Horticulture” sponsored by UGC,February 14-15, 2002.
- National Seminar on “Production and Utilization of Medicinal plants” sponsored by UGC, March, 13-14,2003.
- National seminar on “Appropriate Technologies for Sustainable Horticulture” sponsored by UGC , March , 20-21,2006.

## 31. Code of ethics for research followed by the departments

- The research scholars pursuing their M. Sc and Ph.D. degree programme attend a course work on Research methodology where in they are well informed of the code of research ethics to be followed while conducting research.
- The post graduate and Ph. D research scholars are strictly guided to observe the rules drawn in line with the Good Research Practices. The laboratory timings, discipline, cleanliness and safety are periodically monitored.
- All research scholars follow the standard procedures for fundamental analysis.
- The originality and uniqueness of the research papers are maintained.

**32. Student profile course-wise:**

Name of the Course M.Sc (Ag) Hort	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2008	20	8	3	100	100
2009	25	16	2	100	100
2010	20	8	3	100	100
<b>M.Sc (Hort)</b>					
2011	22	12	5	100	100
2012	20	10	1	100	100
2013	35	14	11	100	100

**33. Diversity of students. M.Sc (Ag.) Horticulture**

Name of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc(Ag)Horti	80	20	-	-
	60	30	10	-
	60	30	10	-

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise :-** NET passed -12.

**35. Student progression**

Student progression	Percentage against enrolled
UG to PG	50%
PG to M.Phil.	-
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	60%
• Other than campus recruitment	30%
Entrepreneurs	10%

**36. Diversity of staff**

Percentage of faculty who are graduates of the same university	77%
from other universities within the State	20%
from universities from other States	3%
from universities outside the country	-

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period :-** Ph.D in Horticulture - 20

**38. Present details of infrastructural facilities with regard to****a) Library**

The library has a vast collection of journals and books besides, internet facilities are also a viable for the following purpose.

- Updating of subject knowledge by staff

To obtain latest information and notifications from various funding agencies and other academic bodies like UGC, ICAR etc.,

- Preparations of study materials for the University examination and other competitive examinations.
- Updating the literature collection by students and staff
- To view virtual laboratory facilities provided by premier institutions etc.,

### b) Internet facilities for staff and students

Besides internet facilities, ERRNET, VSAT, AGRICOLA and other software facilities are also available in the main library of the University. These facilities are made available to the students and staff on all working days and holidays

### c) Total number of class rooms = 4

### d) Class rooms with ICT facility = 1

- A Hi-tech class room for PG teaching is equipped with LCD projects has been established in the Department

### e) Students' laboratories

- PG. Lab
- Post harvest lab
- A garden unit for research on environmental issues
- Green house
- Tissue culture lab
- Field research units for flower crops , vegetable crops , fruit crops , medicinal and aromatic crops
- MistChamber

The equipments available in the P.G Laboratories are

- Deep Freezer
- Portable Leaf Area Meter
- Tissue culture Equipments
- Growth Chamber
- Automatic KELPLUS Microprocessor
- Automation Distillation system
- LCA photosynthetic Analyser
- Post Harvest equipments Etc.,

### f) Research laboratories

- ADC -LCA -2-portable photosynthetic system
- Soxplus automatic solvent extraction system
- Freeze dryer- 4 kg capacity
- Kelplus nitrogen analyzer (ElectronicAutomatic KELPLUS Digestion system, Electronic superior automatic distillation system and Electronic acid neutralizer scrubber)
- Refrigerated Centrifuge
- Ethylene gas analyzer
- UV-VIS Spectrophotometer
- Gel documentation system
- Ultra low freezer (-800C)
- AM 300 Portable leaf area meter
- Plant canopy analyzer
- 

## 39. List of doctoral, post-doctoral students and Research Associates

### a) From the host university =

S.No	Name of the Staff	Date of award	S.No	Name of the Staff	Date of award
01.	Dr. CT. Sathappan	2007	13.	Dr. R. Suresh Kumar	2010
02.	Dr. S. Ramesh Kumar	2007	14.	Dr. P. Madhanankumari	2010
03.	Dr. R. Pandian	2007	15.	Dr. T. Umamaheswari	2010
04.	Dr. V.J. Chandran	2007	16.	Dr. R. Suchindra	2010
05.	Dr. K.Sha	2008	17.	Dr.D.Dhanasekaran	2010
06.	Dr. H. Vidhyapriyadharshini	2008	18.	Dr.P.Selvamani	2010
07.	Dr. C. Muruganandam	2009	19.	Dr.J.Padmanaban	2010
08.	Dr. S. Madhavan	2009	20.	Dr.R.Senthilnathan	2010
09.	Dr. S. Venkatesan	2009	21.	Dr.C.Vasugi	2010
10.	Dr. M. Raj Kumar	2009	22.	Dr.S.Kumar	2011
11.	Dr. A.R. Lenin	2009	23.	E. Arivazhagan	2011
12.	Dr. R. Sudhagar	2009	24.	Dr. H.P. Sumangala	2012

### b) From other universities

Dr.S.Kavitha, Assistant Professor completed PDF in University of South Australia, 2008

**40. Number of post graduate students getting financial assistance from the university? : - 10**

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

Based on interaction and feed back from students and different stakeholders. The department offering M.Sc (Hort) degree in four major disciplines like , fruit science, vegetable science, floriculture and land scape gardening and spices and plantation crops from the year 2012.

The members of Board of Studies meet periodically to review and revise the curriculum in order to meet the need and developments of the society. .

In line with the syllabus revision and educational reforms suggested by the ICAR for agricultural education systems in the country, all the programmes offered in the Department of Horticulture are revised and modified. The VI Dean's Committee recommendation of the ICAR has been taken into consideration while revision of the curriculum for both UG and PG programmes

**42. Does the department obtain feedback from**

**a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Yes, the feedback obtained is utilized for enhancing the quality teaching.

**b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Yes, the feedback about the curriculum is obtained from the students regulary every semester after the completion of the course. These comments are reviewed and considered while revising the syllabus.

**c. Alumni and employers on the programmes offered and how does the department utilize the feedback?**

Yes, the feedback obtained is utilized at the time of revision of curriculum .

**d. Quality sustenance and quality enhancement measures in curriculum development process are ensured by the following measures taken.**

- Time to time revision/amendment/restructuring of curriculum based on requirement.
- Conducting Board of Studies meeting regularly with main agenda as curriculum development
- Obtaining input from all the stakeholders of Horticulture to frame the curriculum
- Involving National and International faculties and experts in the process
- Following the regulatory norms prescribed by the ICAR in the process of curriculum development time to time.

**43 .List the distinguished alumni of the Department (maximum 10)**

<b>Name of the alumini</b>	<b>Designation</b>
Dr.V.J.Chandiran,	IPS, Indian Civil Services
Dr.T.Sakthivel,	Scientists -ICAR
Dr.G.Karunakaran,	Scientists -ICAR
Dr.J.Shivanna,	Professors
Dr.P.Selvamathi,	Agricultural /Horticulture Officers
Ms.N.Jeevarani,	Agricultural /Horticulture Officers
Ms.V.Ezhilmathi ,	Banks Officers, AXIS Bank,
Ms.K.Balasankari,	Banks Officers, State Bank of India,

<b>Name of the alumini</b>	<b>Designation</b>
Mr.M.Shamuganathan,	Landscape Architects , Qatar
Mr.S.Sudhakaran,	Landscape Architects , Singapore,
Mr.P.C.Saravan, Manager, SPIC,	Managers in private companies
Dr.S.J.Vijayalitha,KVK, Theni	Chief Training Officer, KVK
Mr.D.Saravanakumar, Spices Board.	Technical Assistants

#### **44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Srilochani Endowment Lectures were organized periodically for the benefit of the PG Students.

- Dr.T.N.Balamohan, Professor of Horticulture, HC & RI, TNAU, Coimabtoe, 25.04.2010.
- Dr.M.Kannan, Professor of Horticulture, HC & RI, TNAU, Coimabtoe, 25.04.2011.
- Thiru. Sekar James, Managing Director, Master Plan LandScape Architecture Chennai, 07.05.2012.

#### **45. List the teaching methods adopted by the faculty for different programmes.**

- Audio visual aids, method demonstrations and participatory approach are utilized for the teaching programmes
- Interactive practical experiments are conducted for every course both in the laboratory as well as in the field
- Weekly tests, quiz programmes and group discussions are conducted
- Detailed reading materials according to the lecture schedule are given to the students in printed form.
- Conducting study tours and industrial training.

#### **46. How does the Department ensure that programme objectives are constantly met and learning outcomes monitored?**

Professor and Head and senior Professors of the Department meet the students and interact with them at regular intervals and give suggestions to improve the learning and teaching skills.

#### **47. Highlight the participation of students and faculty in extension activities.**

- Active participation in farmer's day activities
- Guest lecturers are delivered to the farming community in association with centre for Rural Development, Annamalai University.
- Radio talks are delivered by the staff members.
- Attending RAWE (Rural Agricultural Work Experience) programme

#### **48. Give details of "beyond syllabus scholarly activities" of the department.**

- The staff members of the Department provide training and consultancy services to the farming community.
- Endowment lectures involving external experts are conducted every year
- Special coaching classes are conducted for the weak students and appropriate counseling is given for the self improvement of students
- Special coaching classes are conducted for the competitive exams like ICAR, NET and Civil Services.
- Active involvement in research projects

**49 .State whether the programme/ department is accredited/ graded by other agencies? If yes, give details :- Nil.**

**50. Briefly highlight the contributions of the Department in generating new knowledge, basic or applied.**

- Preparing projects with innovative ideas and plans and execution
- Conducting research in both basic and applied aspects with the aim of meeting the requirements of the farmers.

**51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

#### Strength

- Well qualified and experinced faculty members with diverse specializations.
- Quality teaching in high tech class rooms
- Facility for field trials are available at three different stretches of land separately for fruits, vegetables and flower crops to carry out research precisely.
- A good collection of books and journals are available in the Department to enlighten the students and staff.
- A well connected internet facilities

#### Opportunities

- Research outcome addressing specific problems in the cultivation of fruits and vegetables will be a solution for the farmers of Delta zone.
- Research projects by students will strengthen their ability to compete on environmental issues at National and International levels.
- Despite, the University Department being located in a rural area, it is surrounded by SPICOT industries and several educational institutions providing enormous opportunities for their career advancement.
- Bright job scope for students in multidisciplines of Agriculture and Horticulture.
- Bright scope for success in competitive exams like UPSC and TNPSC

#### Weakness

- Lack of advanced equipment for handling the horticultural produce.
- The field units are often affected by natural calamities the flood and cyclone.
- Rural students with poor English language
- Poor Horticultural crop diversification
- Poor industrial exposure in the rural environment

#### Challenges

- Moulding students to compete National level competitive placements through Agriculture Scientists Recruitment Board (ASRB).
- Overcoming natural calamities at the field units
- Moulding rural students with poor English knowledge to reach greater heights
- Strengthening the laboratories for the state of art level.
- Moulding the students for advanced collaborative research.

**52. Future plans of the department.**

- Research collaboration with Indian and overseas universities
- Upgrading the students knowledge for competing exams at National and International levels
- Strengthening the laboraties with advanced technology based equipments.

## DEPARTMENT OF AGRICULTURAL ECONOMICS

- 1. Name of the Department :** Agricultural Economics
- 2. Year of establishment:** As Division - 1987 As Department - 1993
- 3. Is the Department part of a School/Faculty of the university?:** Yes, Faculty of Agriculture
- 4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

M.Sc.(Ag.) in Agricultural Economics;                      M.B.A. (Agri Business)  
Ph.D. in Agricultural Economics;                                      Ph.D. in Agri Business

Off- Campus Programme: - P.G. Diploma in Intellectual Property Rights; P.G. Diploma in Agricultural Marketing Management; Diploma in Agri Business Management (Tamil and English)

**5. Interdisciplinary courses and departments involved**

- M.Sc.(Herbal Science) Integrated - Department of Botany
- M.A. (Rural Development) - Center for Rural Development

**6. Courses in collaboration with other universities, industries, foreign institutions, etc. - Nil**

**7. Details of programmes/ courses discontinued, if any, with reasons: - Nil**

**8. Examination System: Annual/ Semester/Choice Based Credit System:** Semester system

**9. Participation of the department in the courses offered by other departments**

Statistics;                      Computer Science;                      Agronomy ;                      Horticulture;  
Agricultural Extension; Business Administration.

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned *	Actual**
Professor	01	4
Associate Professors	--	1
Asst. Professors	06	7

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

**11. Faculty profile with name, qualification, designation and specialisation (D.Sc./ D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr.K.R. Sundaravaradarajan	Professor & Head	M.Sc.(Ag), Ph.D.	Natural Resource Economics, Agri Business Management & Trade	26	5
Dr. K. Sita Devi	Professor	M.Sc.(Ag), Ph.D.	Development and Policy & Women Studies	21	1



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. V. Banumathy	Professor	M.Sc.(Ag), Ph.D.	Agricultural Marketing & Trade	21	-
Dr. G. Ramanathan	Professor	M.Sc.(Ag), Ph.D.	International Trade & Agri. Business Management	20	-
Dr. R. Venkataraman	Associate Professor	M.Sc.(Ag), Ph.D.	Natural Resource and Environmental Economics & Water Economics	20	-
Dr. S. Ravichandran	Assistant Professor	M.Sc.(Ag), Ph.D.	Production & Resources Economics	13	-
Dr. T. Ponnarasi	Assistant Professor	M.Sc.(Ag), Ph.D.	Development and Policy & Women Studies	13	-
Dr. G. Srinivasan	Assistant Professor	M.Sc.(Ag), Ph.D.	Agricultural Finance & Agri Business Management	12	-
Dr. C. Prabakar	Assistant Professor	M.Sc.(Ag), Ph.D.	Fishery Economics & Human Resource Management	10	-
Dr. L.K. Velayutham	Assistant Professor	M.Sc.(Ag), Ph.D.	Agricultural Production Economics	9	-
Mr. D. Velmurugan	Assistant Professor	M.Sc.(Ag),	Natural Resource Economics	9	-
Mr. R. Selvakumar	Assistant Professor	M.Sc.(Ag),	Natural Resource Management	7	-

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:-** Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information :** Nil

**14. Programme-wise Student Teacher Ratio:**

M.Sc.(Ag.)Agrl.Economics : 1:1;

M.B.A. (Agri Business) : 1:2

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:**

	Actual
Technical Staff	1
Administrative Staff	6

**16. Research thrust areas recognized by funding agencies:**

Development Economics;

Natural Resource Economics;

Women Studies;

Herbal Economics;

Fisheries Economics;

Marketing and International trade;

Agri Business Management.

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

<b>On Going projects - International</b>				
<b>Faculty</b>	<b>Title</b>	<b>Duration</b>	<b>Funding Agency</b>	<b>Amount (Rs.)</b>
Principal Investigator: Dr.K.R. Sundaravaradarajan Co-Principal Investigators: Dr. C. Prabakar & Dr. K. Padmanabhan,Asst. Prof, Horticulture	The Impact of Human Urine and Faecal Compost Fertilizer in Agriculture – A Socio Economic Analysis	3 years 2012-15	Wherever the Need, India Services, UK	Rs.4,55,400
<b>On Going projects - National</b>				
Principal Investigator: Dr.K.R. Sundaravaradarajan Co-Principal Investigators: Dr. R. Venkataraman Dr. S. Ravichandran	Third Party Monitoring and Evaluation of Athma Schemes	6 months 2013	Government of Puducherry	Rs. 3,22,000/-
Principal Investigator: Dr. K.R. Sundaravaradarajan	Entrepreneurship Awareness Camp	1 Year 2012-13	DST – NIMAT, Ahmedabad	Rs. 13,500/-
Principal Investigator: Dr. C. Prabakar	Revamp of Indian Sea Food Trade Towards Futurity – An Economic Analysis	2 Years 2012-14	UGC, New Delhi (PDF-Research Award Scheme)	Rs. 16,39,768/-
Principal Investigator: Dr. C. Prabakar Co-Principal Investigators: Dr. K. Sita Devi Mr. R. Selvakumar	Labour Scarcity and its Impact on Agriculture – A Parochial Approach	2 Years 2012-14	UGC New Delhi	Rs. 1,65,000/-
Principal Investigator: Dr. K. Sita Devi Co-Principal Investigators: Dr. C.Prabakar Dr. T. Ponnarasi	Performance and Prospects of Micro Credit Programme towards the Empowerment of Fisher Women through SHG's in Tamil Nadu	2 Years 2012-14	UGC, New Delhi	Rs. 4,91,600/-
Principal Investigator: Dr. C. Prabakar Co-Principal Investigators: Dr. K. Sita Devi Mr. R. Selvakumar	Agricultural Labour Displacement – Its Immensity and Impact on the Agrarian Economy of Tamil Nadu	18 Months 2014-15	Indian Council of Social Science Research, New Delhi.	Rs, 10,00,000/-
<b>Completed Projects - National</b>				
Principal Investigator: Dr. K.R.Sundaravaradarajan Co-Principal Investigators: Dr. R. Rengaraju Lecturer & Dr. C. Kathikeyan, Professor, Chemical Engineering.	“Multi-level Food Processing Entrepreneurship Development Training Programme for Schedule Caste Women”	3 years 2009-12	DBT, New Delhi	Rs. 4,80,000/-
Principal Investigator: Dr. K.R.Sundaravaradarajan Co-Principal Investigators: Dr. K. Sita Devi & Dr. C. Prabakar	“Impact of Repco Bank towards Empowerment of Rural Folk through SHG's in Nilgiris District”	6 Months 2011	REPCO Foundation, Chennai	Rs. 70,400/-

Principal Investigator: Dr. K.R. Sundaravaradarajan	Entrepreneurship Awareness Camp	1 Year 2012	DST - NIMAT, Ahmedabad	Rs. 13,500/-
Principal Investigator: Dr. K.R.Sundaravaradarajan Co-Principal Investigator: Mr. R. Selvakumar	"Employment Opportunities in Agri Business"	6 Months 2011	SBI, Regional Office, Puducherry	Rs. 5,000/-
Principal Investigator: Dr. K.R.Sundaravaradarajan Co-Principal Investigator: Mr. G. Ramanathan	"Employment Opportunities in SHG's through Food Processing Industry".	6 Months 2011	IOB, Regional office, Puducherry	Rs. 5,000/-
Principal Investigator : Dr.K.R. Sundaravaradarajan	An Economic Analysis of Small Scale Pesticide Industry in Tamil Nadu	1 year 2013	South India Pulverizing Mills, Trichy	Rs. 50,600.00/-
<b>Completed - International Project</b>				
Principal Investigator : Dr.K.R. Sundaravaradarajan Co-Principal Investigator: Dr. G. Srinivasan	Entrepreneurial Skill Development for Fisher Women in the Tsunami Devastated Districts of Tamilnadu	1 year 2010	Michigan State University, U.S. A.	Rs. 50,000/-

**18. Inter-institutional collaborative projects and grants received :** Nil

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. :**

DBT - 4.80 lakhs;

DST - 0.27lakhs;

ICSSR - 10.00 lakhs

**20. Research facility / centre with :** Nil

**21. Special research laboratories sponsored by / created by industry or corporate bodies :** Nil

**22. Publications:**

- Number of papers published in peer reviewed journals (national / international) 60 (Annexure - I)
- Monographs - Nil
- Chapters in Books - Nil
- Edited Books - Nil
- Books with ISBN with details of publishers - "Agricultural Marketing, Finance and Export-Import of Agricultural Commodities" by Dr. V. Banumathy and Dr. S. Ravichandran. (ISBN NO: 978-93-80587-90-5)
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) - Nil
- Citation Index - range / average - Nil
- SNIP - Nil
- SJR - Nil
- Impact Factor - range / average - 0.5 - 4.0
- h-index - Nil

**23. Details of patents and income generated:** - Nil

**24. Areas of consultancy and income generated :** Herbal Marketing - 0.5 lakhs

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:** Nil

**26. Faculty serving in** a) National committees b) International committees c) Editorial Boards d) any other (please specify):

- Editorial Board, Agricultural Update - Dr. K.R. Sundaravaradarajan.
- Annamalai University Book Review Committee Member –Dr.K.Sita Devi
- Faculty Level IQAC Members – Dr.K.Sita Devi & Mr.D.Velmurugan
- Faculty Level ICAR Accreditation Committee Member – Dr.K.Sita Devi

**27. Faculty recharging strategies:**

Orientation Programme, Short Term Training Programme, Summer/Winter School, Seminar, Symposia, Conference, etc.

**28. Student projects :** Nil

**29. Awards / recognitions received at the national and international level by**

- Faculty
  - Dr. K. R. Sundaravaradarajan, Professor & Head received recognition letter from Dean, Faculty of Agriculture, Michigan State University, USA.
  - Dr. K. R. Sundaravaradarajan, Professor & Head received Tamil Nadu Siddha Mrithuvanatha Award -2013 from All India Traditional Medicine Conference
- Doctoral / post doctoral fellows:
  - Dr. C. Prabakar, Post Doctoral Fellow, UGC
- Students Nil

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Name of the Staff	Title of the Seminar	Funding Agencies / Date
Dr.K.R. Sundaravaradarajan and Dr. G. Ramanathan	Recent Trends in Agri-Business in Post -WTO Regime	UGC, 2007
Dr. K.R. Sundaravaradarajan and Dr.G. Srinivasan	Opportunities and Challenges in Medicinal Plant Trade	SBI, Pondicherry, 2007
Dr. K.R. Sundaravaradarajan, Dr.K. Sita Devi and Dr.T. Ponnarasi.	Marketing and Trade of Organic Products	SBI, Pondicherry, 2007
Dr. K.R. Sundaravaradarajan, and Dr. R. Rengaraju	Multi-Level Food Processing Entrepreneurship Development Training Programme for Scheduled Casts Women	Department of Bio-Technology, New Delhi,
Dr. K.R. Sundaravaradarajan, and Mr. R. Selvakumar	Employment Opportunities in Agri Business	State Bank of India, Puducherry
Dr. K.R. Sundaravaradarajan, Dr. K. Sita Devi and Dr. G. Ramanathan	Employment Training on Food Processing Industries	State Bank of India, Puducherry, 2008
Dr. K.R. Sundaravaradarajan, and Dr. T. Ponnarasi,	Awareness of Tender Coconut Among University students	Coconut Development Board, Kochi, 31st January, 2012.
Dr. K.R. Sundaravaradarajan and Dr. G. Ramanathan	Technical Feasibility and Economic Viability of Soil Additives and Injection Techniques	VOGT, Germany 9th & 10th March, 2012.
Dr. K.R. Sundaravaradarajan and Dr. G. Srinivasan	Socio-Economic Implications of SHGs in 2020.	UGC /NABARD Chennai, 28th and 29th March, 2012.

Name of the Staff	Title of the Seminar	Funding Agencies / Date
Dr. K.R. Sundaravaradarajan and Dr. R. Venkataraman	Awareness on Water Conservation at Government Higher Secondary School, B-Muttalur.	Great Lakes Leadership Academy, Michigan State University, USA, 21st February, 2012.
Dr. G. Ramanathan and Dr. K.R. Sundaravaradarajan	Problems and Prospects of Agricultural Insurance in India	UGC, New Delhi, 6th and 7th May, 2013.
Dr. K.R. Sundaravaradarajan and Dr. C. Prabakar	Conventional and Non Conventional Organic Inputs in Agriculture	Wherever the Need, U.K., 16th and 17th August 2013.
Dr. K.R. Sundaravaradarajan	Entrepreneurship Awareness Camp in Agri Business	DST - NIMAT, Ahemdabad, 12th to 14th February, 2014
Dr. G. Ramanathan and Dr. K.R. Sundaravaradarajan	Establishment of Market Intelligence Cell	Department of Agricultural Economics, 7th March, 2013.
Dr. G. Ramanathan and Dr. K.R. Sundaravaradarajan	National Symposium on Problems and Prospects of Agricultural Insurance in India	UGC, New Delhi, 6th & 7th May, 2013.

**The Department conducts the following EDP programme for final B.Sc.(Ag.) students in Virudhunagar, Cuddalore and Puducherry Union Territory every year.**

Name of the Staff	Title of the Seminar	Funding Agencies
Dr. K.R. Sundaravaradarajan, Dr.G. Ramanathan, Dr. G. Srinivasan, Mr. D. Velmurugan, and Mr.R. Selvakumar	Entrepreneurship Development Programme for Farm Graduates in Agri Business.	Department of Agricultural Economics, Annmalai University.

### 31. Code of ethics for research followed by the departments :

One Research Methodology course is offered to P.G. students, in which they are taught all the ethical issues related to research methodology. All staff members follow the standard procedure for conducting the social science research laid down by relevant scientific and professional bodies.

### 32. Student profile course-wise 2013-14:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. (Ag.) Agricultural Economics	22	8	2	100%	100%
M.B.A. Agri Business	6	3	1	100%	100%

### 33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc.(Ag.)Agricultural Economics	80%	70%	-	13%
M.B.A Agri Business	100%	-	-	-

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.: - Nil**

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	50%
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	
• Other than campus recruitment	100%
Entrepreneurs	

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	33%
from other universities within the State	67%
from universities from other States	-
from universities outside the country	-

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** Ph.D - Six

### 38. Present details of infrastructural facilities with regard to

- Library –Library available for the students in the faculty
- Internet facilities for staff and students : Nil
- Total number of class rooms: One
- Class rooms with ICT facility: Nil
- Students' laboratories : Nil
- Research laboratories : Nil

### 39. List of doctoral, post-doctoral students and Research Associates

- from the host university: - Dr. C. Prabakar, Post Doctoral Fellow, UGC.
- from other universities - Nil

**40. Number of post graduate students getting financial assistance from the university?** - Two

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. :-** Nil

### 42. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes. Periodical review is done and accordingly new teaching practices are implemented.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. Based on the feedback, Innovative practices are being established.

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes. New need based courses are being introduced.

#### 43. List the distinguished alumni of the department (maximum 10)

- Dr. K.R. Jagan Mohan, Head, Agri. Planning and Policy Division, State Planning Commission, Tamil Nadu.
- Mr. R. Mageswaran, Senior Manager, EIDPARRY, Chennai.
- Mr. K. Pugazhenth, Industrialist, Trichy.

#### 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Name of the External	Title	Venue & Date
Dr. M. Rajasekar Reddy Development Consultant, (IAMWARM), Hyderabad	Motivation Skills	Dept. of Agricultural Economics on 25th February, 2012
Mr. G. Subbaraj, Deputy General Manager, NABARD, Chennai	Establishment of Agri Clinics and Agri Business Centers	Dept. of Agricultural Economics on 28th January, 2012.
Dr. K.N. Selvaraj, Professor & Head, Dept. of Trade & Intellectual Property (CARDS), TNAU, Coimbatore	1. IPR and Economic Growth 2. Application of Growth Models in Analyzing the IPR's Implications. 3. Recent Advances Geographical Indication	Dept. of Agricultural Economics on 07.03.2011
Dr. A. Selvam, Professor, Department of Mgt. Studies, Faculty of Mgt. Sciences Sri Ramachandra University, Porur, Chennai - 600 116	Foreign Exchange Market	Dept. of Agricultural Economics on 27.04.2012
Mr. R. Narayanan, Retired Chief Manager, Central Bank of India, Chennai	Fundamentals of Management Accounting	Dept. of Agricultural Economics on 15.02.2012
Mr. Jayaganthan I.A.S., Joint Commissioner, Disaster Management, Chennai	Disaster Management	Dept. of Agricultural Economics on 28.04.2012
Dr. Lalith Achoth Professor, Department of Dairy Economics & Business Management, Karnataka Veterinary & Fishery Science University, Bengaluru	1. Models for Measurement of Risk 2. Risk Management in Indian Agriculture 3. Research Techniques in Agricultural Economics	Dept. of Agricultural Economics on 09.10.2012
Dr. M. Krishnan Principal Scientist, Social Science Division Central Institute of Brackish Water Aquaculture (CIBA), Chennai	Externalities, Threshold and Dynamics of Modern Aqua Food Systems.	Dept. of Agricultural Economics on 15.04.2010

#### 45. List the teaching methods adopted by the faculty for different programmes.

Apart from the classroom lectures, the students are exposed to field experiences by conducting outdoor classes to FCI, CWC, TNCSC, cooperative banks, commercial banks, regulated markets, private agro industries, NABARD, DRDA, integrated farms, EXIM bank, insurance, agro processing units, agri-export units, NGOs and markets etc., as a part of their practical curriculum.

The audio visual aids and electronic technologies are used in the classrooms. Discussion on case studies and participation in group discussion are encouraged. The students are also given with assignments and term papers presentations. They are also trained to prepare project reports and e-projects to test technical feasibility and economic viability. The students are exposed to ground reality by conducting outdoor classes. Remedial coaching classes are also conducted for the students.

As a highlight of the B.Sc.(Ag.) degree programme in order to give hands on training to students, AEC 426 Agro-Industrial Tie-Up programme is offered in the eighth semester of the UG curriculum. The main objective of the programme is to motivate the students to take up agriculture as a business venture.

At the end of the programme two days workshop is being organized every year. On the first day of the workshop the students will present the project reports before the district authorities at District Rural Development Agency (DRDA) and on the next day a meeting is being conducted by inviting the officials from banks, SIDCO, DIC, NABARD, insurance, agriculture, and horticulture departments and private entrepreneur to expose the students on the employment opportunities for agricultural graduates. The department has 55 project reports and 240 e-project. So far, Cuddalore, Panruti, Chidambaram, Sirkazhi, Virudhachalam, Mayiladuthurai taluks, Virudunagar district were covered. The students are placed in various Agro Industries viz., food processing industries, coir industries, nursery units, poultry units, dairy farms, integrated farms, mat and cane industries, fish farms, prawn farms, bio fertilizer units, oil industries, cashew processing, turkey farms etc.

#### **46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

A continuous student's evaluation on their academic performance is made by the course teacher concerned through conducting classrooms tests, quiz, mid-semester exams, final practical and theory examinations. The students are well exposed about the examination and evaluation pattern as per the guidelines given in their syllabus book. The central evaluation in UG and double evaluation in PG is done with both internal and external examiners for evaluating the answer scripts. The evaluation pattern is a transparent one. By this way the learning outcome are monitored.

#### **47. Highlight the participation of students and faculty in extension activities.**

The Department of Agricultural Economics actively organizes various outreach and extension activities that help the farming community in the rural areas of Cuddalore district. In this line, the department regularly organizes various training programmes for the rural youth, women and unemployed men. The trainings conducted are listed here.

- Production and Marketing of Organic products (Two trainings)
- Production and Marketing of Herbal Products.
- Production and Marketing of Processed Food Products (Jam, Jelly, Squash etc.)
- Production and Marketing of Idly Batter
- Coconut as Business – Coconus
- Multilevel Food Processing, Entrepreneurship Development training programme for Scheduled Caste Women.
- Entrepreneurship skill development for fisher women in Tsunami devastated districts of Tamil Nadu.
- Employment Opportunities for Rural and Self-Help Group Women members.
- Awareness on waste conservation training programme.

Apart from the training, the department also helps the farm graduates and various financial institutions by deputing the farm graduates in data collection, data entry and data analysis, as required by the financial institutions in Cuddalore district and other institutions in various other districts of Tamil Nadu.

The department also encourages and trains the SHG women in their entrepreneurial skills as and when required.

#### **48. Give details of “beyond syllabus scholarly activities” of the department.**

The students of M.B.A. (Agri Business) regularly visit the various Agro Industries in the nearby areas and get practical exposure in the respective fields. Also, special teaching programmes are organized by inviting the expertise from various areas of specialization. The students are taken for short educational tours to expose them in practical learning.



**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. : No.**

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The Department has introduced three innovative off campus courses to fulfill the need of the agro based corporate and society.
- The Department organized various workshops and training to students/SHGs/farmers/entrepreneurs.
- The Department has carried out many action oriented research.
- The expertise of the technical staff on marketing research has been utilized to enhance the market intelligence level of farming community which is inevitable need in the era of globalization.

**51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of te department.**

#### Strength

- Many research projects funded by International and National agencies are being carried out by the faculty.
- Research works are guided and conducted in different thrust areas for M.Sc. and Ph.D Students

#### Weakness

- Lack of proper infrastructural facilities in the department, which hinders the working environment.
- The students are from rural background and with poor language proficiency
- Lack of full fledged facility of computers and internet portals to staff of the department
- Insufficient number of staff members to handle credit hours in undergraduate courses

#### Opportunities

- The courses are focused on market oriented agriculture and hence the students have more scope in their career development.
- Collaborative researches with other departments and faculties
- Research and development on environmental sustainability and present social issues.

#### Challenges

- There is a need to expose the students in various competitive exams for their academic development.
- Need based curriculum has to be developed.
- Updating of the use of tools of analysis and software packages used in researches
- Cater specific economic policy suggestions to the beneficiaries in projects, researches
- Maintain the network of expertisation with other institutions

## 52. Future plans of the department

Academic:

- The Department is planning to introduce a new job oriented and market potential Diploma course in Agricultural Retail Trading.

Research: - Establishment of 'Intellectual Property Rights Cell" (IPRC)

- To get patent, copy rights, copy designs ant geographical indications for the technologies of the staff members of the various department in this University.

Establishment of 'Entrepreneurship Development Cell'(EDP)

- It would enhance the entrepreneurial skill level of the unemployed agricultural graduates which is inevitable for the present day community development.

Training:

- To meet the upcoming demand in the food processing sector of the state, the department is planned to establish a Entrepreneurial Development Programme on Food Processing Industries.
- To provide employment opportunities for sustainable livelihood options in agriculture, the department plans to conduct a series of training programme for self help groups/farmers.

The MBA (Agri Business) will pave a way for Agri Business Consortia in future.

## DEPARTMENT OF AGRICULTURAL EXTENSION

**1. Name of the Department:** Agricultural Extension

**2. Year of establishment :** 1994

**3. Is the Department part of a School/Faculty of the university?** Yes, Faculty of Agriculture

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

B.Sc (Ag.,) / M.Sc (Ag.,) – M.Sc (Agricultural Extension) – Ph.D. (Agricultural Extension)

**5. Interdisciplinary courses and departments involved**

Programme	Interdisciplinary Course	Offering Department
M.Sc. (Ag.,) Agrl. Extension	Computer for Agricultural Research applications	Computer science Engg.
	Statistics for social sciences	Statistics
	Disaster management	Agronomy
	Landscaping	Horticulture
	Intellectual Property and it's management in Agriculture	Agrl. Economics
	Technical writing & communication skills	English
	Library & Information services	Library sciences
Ph.D. Agrl. Extension	Advances in computer Application	Computer science Engg.
	Advances in Designs of Experiments	Statistics

Interdisciplinary courses namely Computer Programming and its Applications and Statistics for Social Sciences are offered in the PG & Ph.D programmes. The departments involved are Department of Computer Science, Statistics, Agronomy, Horticulture and Agricultural Economics.

**6. Courses in collaboration with other universities, industries, foreign institutions, etc. :-** Nil

**7. Details of programmes / courses discontinued, if any, with reasons:** - Nil

**8. Annual/ Semester/Choice Based Credit System :-** Semester System

**9. Participation of the department in the courses offered by other departments:** -Yes

The department offers optional courses for the department of Agricultural Economics.

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned *	Filled	Actual**
Professors	--		6
Associate Professor	01		1
Asst. Professors	06		20

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr.J.Vasanthakumar	M.Sc.(Ag.) Ph.D.	Dean, Faculty of Agriculture and Professor	Management, Media Studies & Sustainability	26	5
Dr.Santha Govind	M.Sc.(Ag.) Ph.D.	Professor & Head	Gender Studies, Rural Development & Sustainable Agriculture	29	5
Dr.K.Kanagasabapathi	M.Sc.(Ag.) Ph.D.	Professor	Indigenous Knowledge System, Training & Communication	25	4
Dr.S.Thyagarajan	M.Sc.(Ag.) Ph.D.	Professor	Adoption, Yield Gap Studies & Training	25	2
Dr.M.Vetriselvan	M.Sc.(Ag.) Ph.D.	Professor	Training, Administration & Adoption	20	-
Dr.G.Tamilselvi	M.Sc.(Ag.) Ph.D.	Professor	Entrepreneurship, Women Studies & Information Management	19	-
Dr.P.Jeyaseelan	M.Sc.(Ag.),Ph.D.	Associate Professor	Communication	20	-
Mr.S.Durairaj	M.Sc. (Ag.)	Assistant Professor	Women studies, Adoption	13	-
Dr.J.Meenambigai	M.Sc.(Ag.),Ph.D.	Assistant Professor	Yield Gap Studies	12	-
Dr.R.Jeya	M.Sc.(Ag.) Ph.D.	Assistant Professor	Gender Studies	12	-
Dr.V.Balamurugan	M.Sc.(Ag.) Ph.D.	Assistant Professor	Farming System	12	-
Dr.M.Natarajan	M.Sc.(Ag.) Ph.D.	Assistant Professor	Information Management	12	-
Dr.D.Vengatesan	M.Sc.(Ag.) Ph.D.	Assistant Professor	Gender Studies	12	-
Dr.T.Kalidasan	M.Sc.(Ag.) Ph.D.	Assistant Professor	Adoption	11	-
Dr.I.Isaac Devanand	M.Sc.(Ag.),Ph.D.	Assistant Professor	Indigenous Knowledge System, Training	11	-
Dr.P.Shanmugaraja	M.Sc.(Ag.) Ph.D.	Assistant Professor	Communication & Tribal studies	11	-
Dr.T.Balakrishnan	M.Sc.(Ag.) Ph.D.	Assistant Professor	Journalism	11	-
Dr.P.Ramesh	M.Sc.(Ag.) Ph.D.	Assistant Professor	Adoption	11	-
Dr.B.Sudhakar	M.Sc.(Ag.) Ph.D.	Assistant Professor	Yield Gap	10	-
Dr.R.Muthukumar	M.Sc.(Ag.) Ph.D.	Assistant Professor	Training	10	-
Dr.R.Jayasankar	M.Sc.(Ag.) Ph.D.	Assistant Professor	Adoption	10	-
Dr.V.Sakthivel	M.Sc.(Ag.) Ph.D.	Assistant Professor	Training	10	-
Dr.V.kalirajan	M.Sc.(Ag.) Ph.D.	Assistant Professor	Indigenous Knowledge	10	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr.M.Kavaskar	M.Sc.(Ag.) Ph.D.	Assistant Professor	Information Technology	10	-
Mr.T.Sujaivelu	M.Sc.(Ag.)	Assistant Professor	Value addition	10	-
Dr. Darling B. Suji	M.Sc.(Ag.) Ph.D.	Assistant Professor	Adoption	9	-
Dr.T.Raj Pravin	M.Sc.(Ag.) Ph.D.	Assistant Professor	Indigenous knowledge, Information Technology	8	-

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: -Nil**

**13. Percentage of classes taken by temporary faculty – programme-wise information: -Nil**

**14. Programme-wise Student Teacher Ratio: - 2:1**

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Actual
Administrative Staff	9

**16. Research thrust areas recognized by funding agencies:- Nil**

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise. :- Nil**

**18. Inter-institutional collaborative projects and grants received**

a)All India collaboration b) International :- Nil

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. :- Nil**

**20. Research facility / centre with : Nil**

- state recognition - Resource person for the Centre for Indigenous knowledge in Agriculture and Animal Husbandry, Gandhigram Rural University, Gandhigram, 2008.
- national recognition
- international recognition

**21. Special research laboratories sponsored by / created by industry or corporate bodies - Nil**

**22. Publications:**

- Number of papers published in peer reviewed journals (national / international)  
84 (Annexure - I)
- Books : 12
  - Santha Govind, Tamilselvi, G. and J. Meenambigai, 2011. Extension Education and Rural Development. Agrobios (India) Private Ltd. Jodhpur. (ISBN: 9788177544206).
  - Santha Govind , Prepared course material for the PG course MA in Extension Management for the paper “ Extension Teaching Methods and Techniques” offered by the Directorate of Distance Education, Annamalai University during 2012.

- Kanagasabapathi, K. Prepared the lessons (Study Materials) on “NGO – Concept and Dimensions” for the II MA Degree Course in NGO Management (English Medium) offered under the Directorate of Distance Education, Annamalai University.
  - Kanagasabapathi, K. Prepared the lessons (Study Materials) on “NGO வரை முறைகள்” for the II M.A Degree Course in “அரசு சாரா நிறுவன மேலாண்மை” (Tamil Medium) offered under the Directorate of Distance Education, Annamalai University.
  - Vetriselvan, M. Prepared lessons for the course entitled “Formation of NGOs” for M.A. NGO Mangement Degree course offered by Directorate of Distance Education, Annamalai University during the year 2012.
  - Vetriselvan, M. Prepared the lessons (Study Materials) on “அரசு சாரா நிறுவனங்களை உருவாக்குதல்” for the II M.A Degree Course in “அரசு சாரா நிறுவன மேலாண்மை” (Tamil Medium) offered under the Directorate of Distance Education, Annamalai University 2012.
  - Tamilselvi, G. Prepared lessons for the course entitled “Fundamentals of Extension Education” for M.A. Extension Management Degree course offered by Directorate of Distance Education, Annamalai University during the year 2012.
  - Tamilselvi, G. Prepared lessons for the course entitled “விரிவாக்க கல்வியின் அடிப்படைகள்” for M.A. Extension Management Degree course offered by Directorate of Distance Education, Annamalai University during the year 2012.
  - Jeyaseelan, P. Prepared the lessons (Study Materials) on “Funding of NGOs” for the II MA Degree Course in NGO Management (English Medium) offered under the Directorate of Distance Education, Annamalai University.
  - Jeyaseelan , P. Prepared the lessons (Study Materials) on “நிதி திரட்டு முறைகள்” for the II M.A Degree Course in “அரசு சாரா நிறுவன மேலாண்மை” (Tamil Medium) offered under the Directorate of Distance Education, Annamalai University.
  - Santha Govind, Prepared course material for the PG course MA in Extension Management for the paper “Virivakka Muraigal” Mattum Nutpangal offered by the Directorate of Distanced Education, Annamalai University during 2013.
  - Tamilselvi, G. Prepared lessons for the course entitled “விரிவாக்கக் கல்வியின் அடிப்படைகள்” for “முதுகலை விரிவாக்க மேலாண்மை பட்டம்” offered by Directorate of Distance Education, Annamalai University during the year 2013.
- **Proceedings**
- Santha Govind and M. Kavaskar. 2007. “TOT Through Cyber Extension”. In: New Dimensions and Approaches in Extension Pluralism for Rural Development. (Vasanthakumar, J., Philip, H, Theodore, R.K and M.S. Nataraju{ Eds.). AGROBIOS (India.), Jodhpur: 265-274.
  - Thyagarajan S. and J. Vasanthakumar 2007, ‘Herbicide Technology Transfer in Rice Cultivation – paper published in the proceedings of the 21<sup>st</sup> Asian Pacific Weed Science Society Conference held at Colombu, Srilanka from 2<sup>nd</sup> – 6<sup>th</sup> October 2007.: 483-487.
  - Peshin, R., Vasanthakumar, J. and Rajinder Kalra. 2008. Diffusion of Innovation Theory and Integrated Pest Management. In: Peshin, R. and R.K. Dhawan (Eds.) Integrated Pest Management: Dissemination and Impact, Springer Publications, London. (ISBN No: 978-1-4020-8989-3)
  - Santha Govind and Sabaya Lesly Loyans 2012 “Factors Responsible for Effective Functioning of the Perikulam Farmers Managed Irrigation System (FMIS)”, In:

Samudhra Rajakumar, C., Sivasubramanian, M and L.Balamurugan (Eds.) An Evolutionary Approach in Management Research. Bonfring Publishers, Coimbatore : 71 - 77.

- Kavaskar, M and Santha Govind 2012 “ Information and Communication Technology for Accelerating Agriculture Development” **In:** Samudhra Rajakumar, C., Sivasubramanian, M and L.Balamurugan (Eds.) An Evolutionary Approach in Management Research. Bonfring Publishers, Coimbatore : 78 - 82.
- Kalidasan, T and Santha Govind 2012 “ Constraints Encountered by the scientists in the Information Managemnt of Sugarcane Technologies”, **In:** Samudhra Rajakumar, C., Sivasubramanian, M and L.Balamurugan (Eds.) An Evolutionary Approach in Management Research. Bonfring Publishers, Coimbatore : 232-235
- Santha Govind , Gopalsamy, K and G,Tamilselvi 2012 ‘ Training Strategies as Preferred by Farm Women on IPM Practices’ **In:** Narayana Gowda, K., Nataraju, M.S. and V. Veerabhadraiah (Eds.) Youth in Agriculture and Rural Development. New India Publishing Agency, New Delhi: 115 - 119.
- Meenambigai, J, Santha Govind and G,Tamilselvi 2012 ‘Farm Youth: A Catalyst for Sustainable Agriculture’ **In:** Narayana Gowda, K., Nataraju, M.S. and V. Veerabhadraiah (Eds.) Youth in Agriculture and Rural Development. New India Publishing Agency, New Delhi: 65 - 74.
- **Monographs** : Nil
- **Chapters in Books** : Nil
- **Edited Books** :
  - Vasanthakumar, J., Philip, H, Theodore, R.K. and M.S. Nataraju. 2007. New Dimensions and Approaches in Extension Pluralism for Rural Development, Agrobios Publishers, Jodhpur. (ISBN: 9788177543100)
  - Vasanthakumar, J. Bhaskaran, C. and H. Philip. (Eds.) 2008. Extension Strategies for Fostering Knowledge Centric Agricultural Growth. Society of Extension Education, Tamil Nadu Agricultural University, Coimbatore. (ISBN No.9788190713108)
- **Books with ISBN with details of publishers** : Santha Govind, Tamilselvi, G. and J. Meenambigai, 2011. Extension Education and Rural Development. Agrobios (India) Private Ltd. Jodhpur. (ISBN: 9788177544206).
- **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)**
- **Citation Index - range / average**
- **SNIP**
- **SJR**
- **Impact Factor - range / average**
- **h-index**

**23. Details of patents and income generated :- Nil**

**24. Areas of consultancy and income generated :- Nil**

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad :- Nil**

## 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

- Dr.Santha Govind
  - (Associate Editor) Society of Extension Education, Coimbatore from 2010 - 2013.
  - Member of the Editorial Board of Hindu - Horticulture Society, Muzaffarnagar, UP, India.
  - (Executive Councilor) Indian Society of Extension Education, New Delhi - 2012 - 2015.
  - Evaluated a Book on 'Dimensions of Indigenous Practices in Agriculture authored by Dr. M. Sundaramari of Gandhigram Rural University, Gandhigram - 2012.
- Dr.K.Kanagasabapathi - (Associate Editor) - Society of Extension Education, Coimbatore.
- Dr.P.Jeyaseelan - (Associate Editor) - Society. of Extension Education

## 27. Faculty recharging strategies

Faculties are encouraged to attend training / refresher courses / workshops

- Dr. Santha Govind attended UGC sponsored SAM Workshop on 'Capacity Building of women Managers in Higher Education organized by Ethiraj College for Women, Chennai from 20<sup>th</sup> - 24<sup>th</sup> Feb. 2012

## 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects - NIL
- percentage of students doing projects in collaboration with other universities / industry / institute - NIL

## 29. Awards / recognitions received at the national and international level by

- Faculty : -
  - Santha Govind Fellow of the Hind Agri - Horticultural Society (FIHS), Muzaffarnagar (U.P) India - 2008.
  - Santha Govind - Appreciation Award 2011 by the Society of Extension Education, Coimbatore.
- Doctoral / post doctoral fellows : -
- Students : -

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any :- NIL

## 31. Code of ethics for research followed by the departments

The research students persuing M.Sc. (Agri.) and Ph.D Progrmmes undergo course work on 'research methodology and ethics', in which they are taught all ethical issues related to social science research.

## 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
M.Sc. (Agrl. Extension)	2010 -2011	10	7	1	100%	100%
	2011 -2012	15	12	1	100%	100%
	2012 -2013	20	5	-	100%	100%
	2013 - 2014	20	8	1	-	-
Ph.D (Agrl. Extension)	2013-2014	5	4	-	-	-



### 33. Diversity of students

Name of the Course (refer to question no. 4)	Year	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. (Ag.)	2010 -2011	87.5	-	12.5	-
	2011 -2012	92.3	7.7	-	-
	2012 -2013	60.00	-	40.00	-
	2013 - 2014	91.66	-	8.33	-
Ph. D	2013-2014				

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.: -Nil**

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	38%
Ph.D. to Post-Doctoral	NIL
Employed	
• Campus selection	
• Other than campus recruitment	
Entrepreneurs	

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	57.69
from other universities within the State	42.31
from universities from other States	-
from universities outside the country	-

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period - 14**

Year	Name of the Student	Year	Name of the Student	Year	Name of the Student
2007	Dr.R.Jeya	2009	Dr.P.Shanmugaraja	2012	Dr.R.Jayasankar
2007	Dr.V.Balamurugan	2009	Dr.M.Kavaskar	2013	Dr. Darling B. Suji
2009	Dr.V.Sakthivel	2010	Dr.V.Kalirajan	2013	Dr.R.Muthukumar
2009	Dr.T.Kalidasan	2011	Dr.I.Isaac Devanand	2014	Dr.P.Ramesh
2009	Dr.M.Natarajan	2011	Dr.T.Balakrishnan		

### 38. Present details of infrastructural facilities with regard to

- a) Library : Yes
- b) Internet facilities for staff and students: Yes
- c) Total number of class rooms : 1
- d) Class rooms with ICT facility : Yes
- e) Students' laboratories : Nil
- f) Research laboratories : Nil

### 39. List of doctoral, post-doctoral students and Research Associates

a) from the host university - 17

Year	Name of the Student	Year	Name of the Student	Year	Name of the Student
2007	Dr.R.Jeya	2009	Dr.J.Charless Jeeva	2012	Dr.N.K.Vijayalakshmi
2007	Dr.V.Balamurugan	2009	Dr.M.Kavaskar	2013	Dr.V.Kumar
2009	Dr.V.Sakthivel	2010	Dr.V.Kalirajan	2013	Dr.Darling B.Suji
2009	Dr.T.Kalidasan	2011	Dr.I.Isaac Devanand	2013	Dr.R.Muthukumar
2009	Dr.M.Natarajan	2011	Dr.T.Balakrishnan	2014	Dr.P.Ramesh
2009	Dr.P.Shanmugaraja	2012	Dr.R.Jayasankar		

b) from other universities - NIL

### 40. Number of post graduate students getting financial assistance from the university?

M.Sc. (Ag.) - 14 ; Ph.D - 4

### 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. :- Nil

### 42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? - No

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? - Yes

The staff are motivated and trained based on students feed back

c. alumni and employers on the programmes offered and how does the department utilize the feedback? - No

### 43. List the distinguished alumni of the department (maximum 10)

- Dr. L. Manjunath, Dean, Agricultural College, Hassan University of Agricultural Sciences, Karekare, Karnataka - 573 225.
- Dr. K.S. Meenakshisundaram, Director of Research and Publications, SCSVMV University, Kanchipuram.
- Ms. B. Subashini, Asst. Commissioner, Commercial Taxes, Chennai.

### 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- Dr.M.N.Reddy, Director of Agricultural Communication, National Institute of Agricultural Extension Management, Hyderabad delivered a series of lectures under the auopices of Srilochni Varadharajulu Endowment on the titles, "Extension Reforms in India". "Market Led Extension" and "Public Private Partnership in Agricultural Extension" on 30.04.2010 at the Department of Agricultural Extension, Faculty of Agriculture, Annamalai University.
- Dr.B.Vijayabhinandana, Professor & Head, Department of Extension Education, Agricultural College, Acharya N.G. Ranga Agricultural University, Bapatla delivered a series of lectures under the auopices of SriLochni Varadharajulu Endowment on the titles, "Agricultural Experimental Learning Programme (AELP)" and "SREP Development" on 30.03.2011 at the Department of Agricultural Extension, Faculty of Agriculture, Annamalai University.

- Dr.C.Bhaskaran, Professor of Agricultural Extension, Department of Agricultural Extension, Kerala Agricultural University, Vellayani, Thiruvananthapuram delivered a series of lectures under the auopices of SriLochni Varadharajulu Endowment on the titles, “Reforms in Agricultural Extension” and “Sustainable Agricultural Innovation Management System” on 10.04.2012 at the Department of Agricultural Extension, Faculty of Agriculture, Annamalai University.

**45. List the teaching methods adopted by the faculty for different programmes.**

Lecture method, Group discussion, Field visit, Survey and e-mail groups.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

The Department ensures that programme objectives are constantly met and learning outcomes are monitored through Mid-Semester Examinations, Final Examinations (Theory & Practical), Assignments, Term Papers and Records. Further, observation and informal discussion with stakeholders also help in the process.

**47. Highlight the participation of students and faculty in extension activities.**

The students and the faculty members participate actively in Rural Agricultural Work Experience programme, organizing Farmers’ Day (*Krishi Mela*) and exhibition.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

The Department offers programmes aimed at soft skills development of students. It also presents a quarterly farm magazines meant for farmers (upto 2012) and extension workers carrying forward latest technologies in farming.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. :- No**

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

The department has generated new knowledge (applied in nature) for the benefit of policy makers and extension workers to enhance transfer of technology process aimed at higher production and productivity of crops.

**51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Strengths:-**

- Selected villages in and around Chidambaram are adopted under ‘Village Adoption Scheme’ by our staff members to disseminate modern agricultural technologies to the farmers to update their knowledge and skill on modern agriculture.
- Real field level experience is given to the students only under the village stay programme conducted by Department of Agricultural Extension.

**Weaknesses :**

- Due to mono-cropping, students are not exposed to different cropping situations during their village stay
- Lack of co-operation from the farming community during the village visits
- Poor public transportation system in this area.

### Opportunities:

- Students who have completed their M.Sc. (Agri.) in Agricultural Extension have got very good career opportunities in Banking sector, NGOs, Academic institutions and research foundations.
- M.Sc. (Ag.) Agricultural Extension graduates are having good placements in the private companies as marketing executives.
- Highly useful consultancy service is provided for farmers.
- Good rapport is established and maintained with the scientists of research stations and officials of state department of agriculture and horticulture
- Good rapport with the agricultural entrepreneurs helps in motivating the students to start their own business.

### Challenges:

- The students are not aware of national level competitive examinations and the related career opportunities. Hence, it is vital to create awareness among the students about competitive examinations and its procedures.
- Farmer friendly research projects should be developed so as to ensure the applicability of research results at farmers' fields.
- Due to water shortage, dissemination and adoption of technologies becomes a tough task.
- Need for good transportation facilities for frequent village visits.
- The tough nature of the field level extension work does not attract girl students at PG level .

### 52. Future plans of the department.

- Initiating research projects by attracting funding from National and State agencies like ICAR, UGC, DST and TNSCST.
- Strengthening village extension activities by combining scientific survey of adoption and socio-economic impact of technology transfer.

## DIVISION OF ANIMAL HUSBANDRY

**1. Name of the Department :** Animal Husbandry

**2. Year of establishment :** 1958

**3. Is the Department part of a School/Faculty of the university?** Yes, Faculty of Agriculture

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :**

Under graduate B.Sc.(Agri/Horti)Programme:

Course code	Course title	Credit hours
AMP-127	Principles of Livestock and Poultry Production	2+1
AMP-CC1	Broiler production	2+1
AMP-CC2	Caprine production	2+1
AMP-CC3	Dairy technology	2+1

Under graduate B.Sc.(Agri/Horti)Programme: From 2012-July onwards

Course code	Course title	Credit hours
AHS-219	Livestock and poultry production	2+1
AHS-127	Livestock and poultry production	2+1
RAE-411	Experiential learning-module 1-crop production	2+1
MEL 421	Design and management of farming system (unit-v- livestock component)	2+1
MEL 425	Dairy and poultry product technology	1+1

Off campus programme

Three courses are offered through Distance Education mode. They are,

- PG Diploma in Dairy Technology.
- Diploma in Poultry Management.
- Diploma in Livestock Products Technology

**5. Interdisciplinary courses and departments involved:** Nil

**6. Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil

**7. Details of programmes / courses discontinued, if any, with reasons :** Nil

**8. Annual/ Semester/Choice Based Credit System :** Semester system

**9. Participation of the department in the courses offered by other departments**

S.No.	Course Code	Course title	Department involved
1.	RAE-411	Experiential learning-module 1-crop production	Extension
2.	MEL 421	Design and management of farming system (Unit-V- Livestock Component)	Agronomy

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned*	Actual**
Professor	--	-
Associate Professors	--	1
Asst. Professors	03	6

\* In 1996 by the Government for the purpose of releasing grants to the University.

\*\* Include the posts approved by the Syndicate from time to time, to cater to the increase in student strength / introduction of new programmes.

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	Experience (Years)	No. of Ph.D. students guided for the last 4 years
Dr.R.Vijayalakshmi	Ph.D.,	Associate Prof. & Head	Dairy Science	16 years , 09 months	4 (on going)
Dr.S.Vigil Anbiah	M.VSc.,	Assistant Professor	Veterinary Pathology	13 years	-
Dr.R.John Christy	M.V.Sc.,	Assistant Professor	Animal Husbandry Economics	12 years , 03 months	-
Dr. A.Varadharajan	M.V.Sc.,	Assistant Professor	Veterinary Parasitology	11 years, 07 months	-
Dr.R.Gnanasekar	M.V.Sc.,	Assistant Professor	Veterinary Surgery	11 years, 01 month	-
Dr.S.Kothandaraman	M.V.Sc.,	Assistant Professor	Veterinary Obstetrics and Gynaecology	10 years, 11 months.	-
Dr.L.Murali Krishnan	M.V.Sc.,	Assistant Professor	Veterinary Physiology	10 years, 06 months	-

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:** Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information :** Nil

**14. Programme-wise Student Teacher Ratio:** Nil

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

Staff	Actual
Academic support staff (technical)	7
Administrative staff	4

**16. Research thrust areas recognized by funding agencies :**

- Farming systems for livelihood security of farmers
- Ethno Veterinary practices

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

S.No.	Name of the Programme	Funding Agency	Total Outlay (Rs.)
1.	IFAD assisted PTSLP – Imparting skill training for Income generation Activities	International Fund for Agricultural Development	56,88,562.00

**18. Inter-institutional collaborative projects and grants received :** Nil

a) All India collaboration b) International

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. :** Nil

**20. Research facility / centre with :** Nil

- State recognition
- National recognition
- International recognition

**21. Special research laboratories sponsored by / created by industry or corporate bodies :** Nil

**22. Publications:**

- Number of papers published in peer reviewed journals (national / international) : 12 (Annexure – I)
- Monographs : Nil
- Chapters in Books : Nil
- Edited Books : Nil
- Books with ISBN with details of publishers : Nil
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) : Nil
- Citation Index – range / average : Nil
- SNIP : Nil
- SJR : Nil
- Impact Factor – range / average : Nil
- h-index : Nil

**23. Details of patents and income generated :** Nil

**24. Areas of consultancy and income generated:**

Consultancy service to HATSUN Pvt. Ltd. For training programme on Basics of Dairy cattle management and Artificial insemination with an outlay of Rs.5,35,900/-

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad :** Nil

**26. Faculty serving in** a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Faculty	Committee/board
Dr. R.Vijayalakshmi	Board member of committee to conduct qualifying examination for Ph.D- TANUVAS-
	Advisory Board member – Veterinary Science Research Journal
	Editorial board member- Annamalai university, Agriculture journal
	Board member for B.Tech(Biotech), B.Tech (FPE), B.Sc (Agri) of TNAU and B.Tech (FPT) of TANUVAS
	Special invitee- M.Sc Dairy Science programme-Board of Studies in Agriculture, Faculty of Agriculture and Animal Husbandry, Gandhigram Rural University.
	Board member of examining committee- Ph.D., Thesis evaluation- TANUVAS
	Tamil Nadu Veterinary Council (TNVC) – Life Member
	Executive Committee Member – Indian Dairy Association, Tamil Nadu Chapter
	Member of Faculty of Agriculture
	Member of anti ragging cell of Annamalai University
	Manuscript reviewer- Journal of International Food Research Journal
Dr.S.Vigil Anbiah	Core committee member- Ethno Veterinary practices in Veterinary Education and Research-TANUVAS and FRLHT.
	Co-ordinator for the Dual degree Programme conducted between Annamalai University and Dalhousie University, Canada.
	Co-ordinator for the personal contact programme of the Agriculture related Programme of Directorate of Distance Education, Annamalai University.
	Indian Society of Sheep and Goat Production and Utilization Life Member ( ISSGPU)
	Indian Veterinary Council (IVC) – Life Member
	Tamil Nadu Veterinary Council (TNVC) – Life Member
	Indian Association of Veterinary Pathologists (IAVP) - Life Member

Faculty	Committee/board
	The Indian Science Congress Association ( ISCA) - Life Member
	Indian Society of Veterinary Epidemiology and Preventive Medicine (ISVEP) - Life Member
	Indian Association of Equine Interests - Life Member
Dr.R.John Christy	Review panel- Indian Journal of Science and Technology
	ICAR Accreditation Committee Member of Annamalai University
	Tamil Nadu Veterinary Council (TNVC) - Life Member
Dr.R.Gnanasekar	Tamil Nadu Veterinary Council (TNVC) - Life Member
	Section co-ordinator - I B.Sc (Agri.)
	Member of Anti-ragging cell
Dr.S.Kothandaraman	Co-ordinator for the Dual degree Programme conducted between Annamalai University and Dalhousie University, Canada.
	Indian Veterinary Council (IVC) - Life Member
	Tamil Nadu Veterinary Council (TNVC) - Life Member
	Agricultural Counseling Committee Member of Annamalai University
	Indian Society for Study of Animal Reproduction ( ISSAR) - Life Member
Dr.L.Murali Krishnan	Tamil Nadu Veterinary Council (TNVC) - Life Member

**27. Faculty recharging strategies** : Nil

**28. Student projects** : Nil

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities / industry / institute

**29. Awards / recognitions received at the national and international level by**

- Faculty : Nil
- Doctoral / post doctoral fellows : Nil
- Students : Nil

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.:** Nil

**31. Code of ethics for research followed by the departments :**

The division follows norms of ethical committee for its research activities. The Institutional Animal Ethics Committee (IAEC) examines proposals for the conduct of animal studies follows the rules for Good Laboratory Practice established by the Committee for the Purpose of Control and Supervision on Experiments on Animals (CPCSEA) under the guidance of an authorized veterinarian.

**32. Student profile course-wise:** Not Applicable

**33. Diversity of students - As per the Under graduate programme:** Not Applicable

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.** Not Applicable

**35. Student progression:** Nil

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	0
from other universities within the State	100
from universities from other States	-
from universities outside the country	-



**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period : Nil**

**38. Present details of infrastructural facilities with regard to**

a) Library

Books	:	95;	Journals	:	07;
Back volumes	:	02;	Magazines	:	03;
News letters	:	01			

b) Internet facilities for staff and students

Computer facility is provided for the staff and students to read various learning materials and to take necessary print outs for future reference. Internet connections obtained by the staff members share the facility with the students. Campus wide net work enables the Division of Animal Husbandry to be in connectivity with other departments of the University.

c) Total number of class rooms- 1

d) Class rooms with ICT facility - 1

e) Students' laboratories -1

A well equipped air conditioned laboratory is available for the students to learn various aspects of dairy products preparation and to undertake clinico pathological estimation of samples.

Dairy products can be prepared and preserved in the laboratory.

The air conditioned laboratory provides good learning atmosphere to the students and controlled temperature prevents spoilage of clinical samples. Microbiological works can be done with the help of laminar air flow and other equipments needed for proper sterilization.

f) Research laboratories -1



#### FACILITIES AVAILABLE FOR CARRYING OUT RESEARCH IN THE LABORATORY

- |                               |                                       |                                      |
|-------------------------------|---------------------------------------|--------------------------------------|
| ➤ Bio-laminar flow            | ➤ Autoclave                           | ➤ Incubator                          |
| ➤ Electronic weighing balance | ➤ Deep Freezer                        | ➤ Milk Cooler                        |
| ➤ Softy Ice cream freezer     | ➤ Insulation box with polyglycol pads | ➤ Cheese vat                         |
| ➤ Cream Separator             | ➤ Gerber's centrifuge                 | ➤ Clinical Centrifuge                |
| ➤ Binocular microscope        | ➤ Cryocans                            | ➤ Semi automatic fill - seal machine |
| ➤ Milking machine             | ➤ Defeathering drum                   | ➤ Gas Brooder                        |

#### LIVESTOCK DEMONSTRATION FARM

On - farm training is provided at the Livestock demonstration farm available in the premises of Division of Animal Husbandry. The main farm activity of Division of Animal Husbandry is to produce farm fresh milk by maintaining high yielding cattle in the livestock demonstration farm

by scientific feeding and management. The recent additions are Sirohi and Boer cross breed goats from Livestock Research Station, Tamil Nadu Veterinary and Animal Sciences University, Chennai. Cross breeding technique is delivered to the farmers through Artificial Insemination using cryo preserved exotic Bull semen. Knowledge about practical livestock farming is highly essential to students those who opt various courses in the Division of Animal Husbandry. The livestock demonstration farm of the Division of Animal Husbandry provides better opportunities for the students to learn various aspects of livestock management.

The various units of our Livestock Demonstration Farm are:

#### DAIRY UNIT

The dairy unit of the demonstration farm has cross breed milch animals like Holstein Friesian, Jersey and Red dane. The stock is upgraded every year by culling animals and introducing new animals to the farm. Milking is done by milking machine to ensure clean milk handling. All scientific management practices are carefully followed in feeding, breeding and disease prevention. Farm fresh fodder from the experimental farm of Department of Agronomy is provided to the dairy animals. Milking is done twice daily and the farm fresh milk is supplied to the staff members of the Annamalai University by door delivery.

During excess milk production, the cream from the milk is separated and used for making ghee and ice cream. The skim milk obtained from cream separation is used for making flavoured milk and butter milk. Apart from these products, Milk Khoa, yoghurt, curd etc are also produced based on the availability of milk. Whenever need arises, students are given appropriate training in preparation of these milk products. Special sale is promoted during the farmers day celebration of the Faculty of Agriculture.

ANNUAL MILK PRODUCTION (2008 - 2013)		MILCH ANIMALS STOCK POSITION	
Year	Milk production (litres)	Type	Number
2008-09	34,866.250	Lactating cow	16
2009-10	35,933.000	Pregnant cow	02
2010-11	39,629.750	Dry cow	06
2011-12	41,064.600	Young stock	
2012-13	41,067.000	Male calves	04
		Female calves	14

#### IMPORTANT PARAMETERS OF THE DAIRY FARM

Breeding practice	Artificial insemination
Average yield per day	100 litres
Average yield per animal	6.0 litres/day
Average milk fat percentage	5.0 per cent
Total animals in lactation	16
Average gestation period observed	290 days.
Average dry period given	60 days.
Average birth weight of calves	30 Kgs.
Average intercalving period	12 months

#### GOAT UNIT

A model goat unit is also maintained to give practical training to students of B.Sc. Agri / Horti. Cross Breeds like Tellicherry, Jamunapari, Sirohi, Boer, Kodi and Kanni are maintained apart from local pallai breed. The prime objective of this goat unit is to upgrade the local non-descript goats using exotic germplasm. Kids are sold for rearing purpose and males above six months are sold for meat purpose. Unproductive animals are culled out every year as a measure of breed up gradation.

## GOAT STOCK POSITION

Particulars	Numbers
BUCK	03
DOE	05
KIDS	
MALE	05
FEMALE	11
<b>Total</b>	24

## POULTRY UNIT

A mini broiler, layer, turkey as well as quail units are maintained based on the students study purpose and festival season to target marketing of meat. A brooder house of 200 chicks capacity is maintained for brooding chicks. Both gas and electric brooders are available. Layer house can accommodate 100 birds. Turkeys are reared targeting Christmas and New Year to ensure good market demand for turkey meat. Turkey eggs are also sold to the consumers. Recently, Japanese quails are introduced on pilot study basis to assess the consumer acceptability of quail meat.

**Artificial Insemination**

An Artificial Insemination centre is maintained by the Division of Animal Husbandry. In order to improve the germplasm of the local farming community, this centre was established on 11.7.2005. Frozen semen from superior exotic bulls are purchased from Central Cattle Breeding Station, Hasserghatta, Karnataka and inseminated to local non- descript milch animals. Holstein Friesian and Jersey frozen semen are commonly used in addition to Sahiwal semen.

Year	No. of Animals Inseminated
2008-09	272
2009-10	260
2010-11	45

**39. List of doctoral, post-doctoral students and Research Associates**

- a) from the host university : Not applicable  
 b) from other universities : Not applicable

**40. Number of post graduate students getting financial assistance from the university? : Not applicable****41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

Discussed among staff members of the Division and job opportunities for the programme was considered.

**42. Does the department obtain feedback from**

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, the curriculum and course material has been modified accordingly.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Feedback was obtained from students and the curriculum and course material were modified accordingly.

c. Alumni and employers on the programmes offered and how does the department utilize the feedback? :- Not applicable.

**43. List the distinguished alumni of the department (maximum 10):** Not applicable

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.: - Nil**

**45. List the teaching methods adopted by the faculty for different programmes.**

Chalk and talk; OHP; Power point;  
Lessons through CD and DVD; LCD

**46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Based on the performance of the students and feedback obtained from them.

**47. Highlight the participation of students and faculty in extension activities.**

#### **Extension Activities**

The Division of Animal Husbandry is actively engaged in extension activities apart from teaching and research. A large number of farmers are benefited by various extension programmes organized by the Division of Animal Husbandry. Following are the extension activities of Division of Animal Husbandry.

#### **Veterinary Camp**

Veterinary Camps are regularly organized by the Division of Animal Husbandry for providing free veterinary services to the farming community. Vaccinations, de-worming of adult and young stock, pregnancy diagnosis, emergency treatment, infertility treatments are the common activities of each veterinary camp. Usually the camps are organized during the outbreak of any infectious diseases. Agencies like NSS units of Annamalai University, Rotary club of Chidambaram, collaborate with the Division of Animal Husbandry in conducting the free Veterinary Camps. A Special Veterinary Camp in commemoration with the First founder pro chancellor of Annamalai University Dr. Rajah Sir Annamalai Chettiar was organized during the farmers day celebrations.

<b>Date</b>	<b>Venue</b>	<b>In association with</b>
25.03.2009	Division of Animal Husbandry	Farmers day veterinary camp - Dr Raja Sir Annamalai Chettiar Memorial Veterinary Camp, Annamalai University
30.09.2009	Division of Animal Husbandry	Dr Raja Sir Annamalai Chettiar Memorial Veterinary Camp, Annamalai University
02.03.2011	Kadavacherry	NSS unit, Annamalai University
04.03.2011	Vandurayanpatti	NSS unit, Annamalai University
30.09.2011	Division of Animal Husbandry	Dr Raja Sir Annamalai Chettiar Memorial Veterinary Camp, Annamalai University
22.03.2012	Pichavaram	NSS unit, Annamalai University and Rotary club, Chidambaram
30.09.2012	Division of Animal Husbandry	Dr Raja Sir Annamalai Chettiar Memorial Veterinary Camp, Annamalai University
28.02.2012	Thillaividangan	NSS Unit, Annamalai University
29.10.2012	Orathur	RAWE Programme of Annamalai University.

#### **Rural Agricultural Work Experience Programme (RAWE)**

Rural Agricultural Work Experience is given to the students of B.Sc. Agri & B.Sc. Horti in order to obtain skills in Agricultural production. The students of final year stay in different villages for a period of 3 months to get necessary experience as learned from the farmers. In order to solve the technical doubts of farmers and students during RAWE programme, a team of staff members from the Division of Animal Husbandry will conduct veterinary camps and visit the villages to offer technical consultancies by participating in Farmer Scientists meet, house visit , etc.

#### 48. Give details of “beyond syllabus scholarly activities” of the department.

Awareness about Animal management was created among farmers during the Veterinary camps.

#### 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. :- No

#### 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Basic managemental practices of cattle, sheep ,goat, pig and poultry
- Training on Artificial Insemination has been given to HATSUN employees
- Knowledge on emu rearing

#### 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

##### Strengths

- Demonstration Livestock Farm
- Extension Activity
- Good exposure to various livestock enterprises.
- Faculty specialized in different disciplines of Veterinary Science.
- Coaching classes for weak students.
- Good students- faculty ratio.

##### Weaknesses

- Communication skills of the students.
- Indigenous breeds of animals for demonstration.
- Hi-tech Dairy quality control laboratory for practical classes.
- Storage facilities for livestock products handling.
- Herbal garden for growing medicinal plants for indigenous treatment protocols.

##### Opportunities

- Entrepreneurship Training Programme.
- Skill Development Training.
- Income generating activities.
- PG Degree in Dairy / Poultry/ Livestock Products Technology.
- Software development pertaining to livestock enterprises for the use of students and farmers.

##### Challenges

- Implementation of Latest technologies of the farming enterprises.
- Disaster mitigation during natural calamities.
- Summer management of crossbred cattle.
- Marketing of meat products.
- Milk delivery system.

#### 52. Future plans of the department.

- To establish a Model Dairy Plant.
- To establish a Clinical Laboratory and Animal Disease Surveillance and Information Centre.
- To establish a Feed Plant.
- To standardize the Breeding Protocol of the Local Caprines.

## DEPARTMENT OF MEDICAL EDUCATION

**1. Name of the Department :** Medical Education

**2. Year of establishment:** 1985

**3. Is the Department part of a School/Faculty of the university?** Yes: Faculty of Medicine

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

### Undergraduate Degree Courses

1. M.B.B.S.; 2. B.P.T.; 3. B.Sc., Nursing

### Postgraduate Degree Courses

M.D. Anatomy;	M.D. Physiology;	M.D. Biochemistry
M.D. Pathology;	M.D. Microbiology;	M.D. Pharmacology
M.D. Community Medicine;	M.D. General Medicine;	M.D. Paediatrics;
M.D. Anaesthesia;	M.D. Obstetrics & Gynaecology;	
M.D. Radio-Diagnosis;	M.D. Dermatology, Venereology & Leprosy;	
M.D. PMR;	M.D. Psychiatry;	M.S. General Surgery;
M.S. Ophthalmology;	M.S. Otorhinolaryngology;	M.S. Orthopaedics;
MPT Master of Physiotherapy-	Cardio-Respiratory:	Sports Physiotherapy:
	Orthopaedic Condition:	Neurological Condition:
	Paediatric Condition:	

M.Sc., Nursing (Community Nursing) ; M.Sc., Nursing (Medical and Surgical);

M.Sc., Nursing (Obs. & Gynae); M.Sc., Nursing (Paediatrics);

### P.G. Diploma Courses

D.C.H; D.A.; D.G.O.; D.Ortho; D.O.; D.L.O;

DMRD; DDVL;

### Diploma

Dip. Nursing;

Doctor of Philosophy (Ph.D.)

### 5. Interdisciplinary courses and departments involved

Programme	Course	Offering Department
Nursing	B.Sc., (Nursing) and M.Sc., (Nursing)	Psychology & Sociology
Physiotherapy	BPT and MPT	Psychology, Sociology, Education, Management and Sports Sciences

**6. Courses in collaboration with other universities, industries, foreign institutions, etc. - Nil**

### 7. Details of programmes / courses discontinued, if any, with reasons

Diploma in PMR and Diploma in Clinical Pathology discontinued because there were no applicants from the eligible candidates.

### 8. Annual/ Semester/Choice Based Credit System

Annual and Semester patterns are being followed as recommended by the concerned Councils.

### 9. Participation of the department in the courses offered by other departments

The Faculty of Medicine participates in the M.Pharm programme in Pharmacy Practice

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors) : - As per Medical Council of India Norms**

	Sanctioned	Filled
Professor		
Associate Professors		
Asst. Professors		

**11. Faculty profile with name, qualification, designation and specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors**

95 visiting faculties visited during year-12-13

**13. Percentage of classes taken by temporary faculty – programme-wise information:- Nil**

**14. Programme-wise Student Teacher Ratio**

MBBS	: 150 students/year, Teachers as per MCI norms
PG Degree	: 113 students/year, Teachers as per MCI norms
PG Diploma	: 22 students/year, Teachers as per MCI norms
BSc Nursing	: 100 students /year, Teachers as per NCI norms
MSc Nursing	: 36 students/year, teachers as per NCI norms
BPT	: 30 students/year, student -teacher ratio 2:1
MPT	: 10 students/year, ratio 1:1
Diploma in Nursing	: 20 students /year, Teachers as per NCI norms

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

Administrative staff	Technical & Paramedical staff	Sanitary & Hospital workers
462	1425	182

**16. Research thrust areas recognized by funding agencies**

Cancer cervix and HPV;	Community Cardiac Health Check up Unit;
Coronary Syndrome;	Stroke Prevention and Management ;
Stroke Registry;	Cardiovascular Risks;
Diabetes Management	

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

**List of On-going Research Projects**

Principal Investigator /Co-investigator	Name of Project	Funding Agency	Duration	Rs.
<b>Physiology</b>				
Dr.T.Balasubramanian	Isolation and characterization of a putative humoral factors for metabolic syndrome from urinary bladder mucosa in wister rats.	UGC XI Plan Project	Mar'10 to Feb'12	6,00,000
<b>Biochemistry &amp; Obs. &amp; Gyane</b>				
Dr.S.Viswanathan / Dr.S.Sethupathy	Role of the combined high risk HPV screening estrogen assay and colposcopic examination of cancer cervix - A rural hospital based study	UGC XI Plan Project	Mar'10 to Feb'12	30,00,000

Principal Investigator /Co-investigator	Name of Project	Funding Agency	Duration	Rs.
<b>Paediatrics</b>				
Dr.S.Ramesh / Dr.M.Manivasagam		DXL-Spiruline		
<b>Microbiology</b>				
Division of Microbiology	"Antibacterial activity of selected Indian Medical Plants extracts on proton pump inhibitor in helicobacter pylori"	UGC		4.5 lakhs
<b>General Medicine</b>				
Dr.N.Chidambaram	Community Cardiac Health Check-up Unit	UGC XI Plan Project	Mar'10 to Feb'12	18,00,000
Dr.N.Chidambaram	<b>TABY</b> - A Comparison of Prasugrel and Clopidogrel in Acute Coronary Syndrome Subjects With Unstable Angina/Non-ST-Elevation Myocardial Infarction Who Are Medically Managed	Eli Lilly & Company, USA	27.01.09 onwards	
Dr.N.Chidambaram	<b>INTERSTROKE</b> An Indian Pilot Case - control study to determine the importance of Conventional and Emerging Risk Factors for Stroke.	Division of Clinical Trials St.John's Medical College & Research Institute, Bangalore	05.07.07 onwards	
Dr.N.Chidambaram	<b>HOPE 3</b> - A randomized double-blind, placebo controlled study with a 2x2 factorial design to evaluate rosuvastatin and candesartan + hydrochlorothiazide in men aged >55 years and women aged >65 years with one risk factor for cardiovascular disease such as smoking, elevated cholesterol, hypertension, diabetes and obesity.	PHRI, Mc Master University, Canada	16.09.08 onwards	
Dr.N.Chidambaram	<b>UMPIRE</b> - Use of Multidrug Pill In Reducing cardiovascular Events : A phase 3- randomized controlled clinical trial of fixed- dose combination medication and usual care in patients at high risk of cardiovascular disease.	Imperial College London	21.01.11 onwards	
Dr.N.Chidambaram	<b>INSPIRE</b> - Indian Stroke Registry- A large multicentric prospective study to determine etiologies, clinical practice and outcomes of stroke in India	ICRAG	04.08.09 onwards	
Dr.N.Chidambaram	<b>SPREAD</b> -Secondary Prevention of Coronary Events After Discharge From Hospital	ICRAG	19.09.11 onwards	
Dr.N.Chidambaram	<b>PREPARE</b> -Primary prevention strategies at the Community level to promote treatment adherence to prevent cardiovascular disease	ICRAG	19.09.11 onwards	



Principal Investigator /Co-investigator	Name of Project	Funding Agency	Duration	Rs.
Dr. N.Chidambaram,	DRAINS Study	Diabliss consumer project		3,15,192
Dr. N.Chidambaram,	HEART Study	World health development institute, Japan		
<b>Anatomy</b>				
Mr.S.Rajasankar	"Indian herbs in the treatment of experimental parkinsonism in mice".	UGC.	2007	95,000
<b>Biochemistry</b>				
Dr.S.Sethupathy	Evaluation of the beneficial effects of taurine supplementation in patients with diabetes mellitus	ICMR	15.05.07 to 14.11.08	2,85,525
<b>Pharmacology</b>				
Dr.Akila, Final M.D. under the guidance of Dr.P.Nirmala Prof&Head of Pharmacology	The Prophylactic effect of a poly herbal formulation on ethylene glycol induced rolithiasis in male Wistar rats.	TNSCST Programme Under student project	2007-08	5,000
<b>Microbiology</b>				
Dr.D.Joseph Puspha Innocent	A study of the relationship between reproductive tract pathogen and antisperm antibody immunology in married couples with infertility.	UGC	April, 2007 to March, 2010	5,82,100
<b>Pathology</b>				
Dr.L.Lakshmana Rao Dr.B.Krishnaswamy Dr. U. Manohar	Development of an Atlas of cancer in India	NCRP ICMR	NCRP Jan- 2012 ICMR Dec-2012	15,000
Dr.L.Lakshmana Rao Dr.Rajeshkanna,II MD	Carcinoma breast a clinico Pathological study with reference to P53 oncogene in selected cases.	TNSCS & T		5,000
<b>Community Medicine</b>				
Dr.N. Ethirajan	Demographic and Health Survey	Nagarjuna Oil Refineries Pvt Ltd, Cuddalore	2009	1,50,000
<b>ENT</b>				
Dr.Balaji Swaminathan	Drug Trial for Oral Candidiasis	Primal Health Sciences,Mumbai	2009	50,000
<b>General Medicine</b>				
Dr.N.Chidambaram	<b>PROFESS:-</b> Prevention Regimen for effectively avoiding second strokes - A double blind, active and placebo controlled study of Aggrenox® vs Clopidogrel with and without Micardis®	Boehringer Ingelheim	20.01.05 to 01.08.08	
Dr.N.Chidambaram	<b>POISE</b> A clinical trial of metoprolol versus placebo in patients undergoing non cardiac surgery at moderate and high risk of a perioperative cardiac event	PHRI, Mc Master University, Canada	14.04.05 to 31.07.08	

Principal Investigator /Co-investigator	Name of Project	Funding Agency	Duration	Rs.
Dr.N.Chidambaram	<b>VITATOPS</b> - A multi-centre, randomized, double blind, placebo - controlled, clinical trial examining the efficacy and safety of multi vitamin therapy in secondary stroke prevention	Stroke Unit, Royal Perth Hospital, Australia	02.08.05 to 31.07.09	
Dr.N.Chidambaram	<b>POLYCAP</b> - A Randomized Double Blind Controlled Trial of the Efficacy and Safety of POLYCAP (Quintapill) Versus Its Components in Subjects With at Least One Additional Cardiovascular Risk Factor	PHRI, Mc Master University, Canada	27.06.07 to 12.08.09	
Dr.N.Chidambaram	<b>ARISTOTLE</b> -A phase3, Active (Warfarin) Controlled, Randomized, Double -Blind, Parallel Arm Study to Evaluate Efficacy and safety to Apixaban in Preventing Stroke and Systemic Embolism in Subjects with Nonvalvular Atrial fibrillation	Bristol Myers Squibb	29.04.08 To 05.08.11	
Dr.N.Chidambaram	<b>TIPS K</b> - A Comparison of Prasugrel and Clopidogrel in Acute Coronary Syndrome Subjects With Unstable Angina / Non-ST-Elevation Myocardial Infarction Who Are Medically Managed	PHRI, Mc Master University, Canada	28.05.10 To 29.11.10	

### 18. Inter-institutional collaborative projects and grants received

a) All India collaboration b) International :- Vide Supra

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. :-** Vide Supra

**20. Research facility / centre with :-** Nil

- state recognition
- national recognition
- international recognition

**21. Special research laboratories sponsored by / created by industry or corporate bodies :-** Nil

### 22. Publications:

- Number of papers published in peer reviewed journals (national / international) - 258 (Annexure - I)
- Monographs - Nil
- Chapters in Books- 12 Nos. (Twevle)
- Edited Books
- Books with ISBN with details of publishers Nil
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

- Citation Index - range / average
- SNIP
- SJR
- Impact Factor - range / average
- h-index

**23. Details of patents and income generated :- Nil**

**24. Areas of consultancy and income generated :- Nil**

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad :- Nil**

**26. Faculty serving in** a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Dr. A. Krishnamurti (Anatomy)

Appointed as Local Secretary for the session on Medical Science including Physiology in Indian Science Congress (2007).

Dr. J.P. Gunasegaran (Anatomy)

Member, International Advisory Panel for Wheater's Functional Histology - A text and colour atlas, Elsevier Publication - 5<sup>th</sup> Edition.

Dr. P.C. Tripathy (Physiology)

- Served as Member, Board of Studies in Banaras Hindu University and Madras University.
- Served as Expert, Selection Committee in Govt. Medical College, Pondicherry.

Dr. V. Udaya (Microbiology)

Served as Member, Board of Studies, A.V.C College, Mayiladuthurai.

Dr. C.S. Subramanian (Surgery), Dr. P. Viswanathan (Pathology), Dr. V. Raveenthiran (Pediatric Surgery), Dr. G.C. Sahoo (E.N.T), Dr. P. Mishra (Ophthalmology), Dr. R. Umarani (Medicine) have got Best Teacher / Researcher awards in Annamalai University.

Dr. Dr. G.C. Sahoo (E.N.T.)

Was editorial Board Member of IJO & HNS.

Dr. N. Chidambaram (Medicine)

- Got Award of Excellence at PROFESS INVESTIGATORS meeting in NICE (France) in 2008.
- Was conferred with Fellow of American College of Cardiology (FACC) by ACC, USA.
- Elected as the President of Indian Society of Hypertension (2012 - 13).
- Awarded the Best Doctor Award by The Tamil Nadu Dr. M.G.R. Medical University.

Dr. S. Ramesh (Pediatrics)

- Received Dr. EBRAHIM Award for Tropical Pediatrics at Colombo (2007).
- Elected as the Central Indian Academic of Pediatric Executive Board Member (2008).

Dr. V.U. Shanmugam (E.N.T)

- Elected as Editorial Board Member of Indian Journal of Otolaryngology and Head & Neck Surgery in 2012.

Dr. R. Umarani (Medicine)

Awarded the Fellowship of Indian Academy of Echocardiography (2012) and Fellow of Academic College of Emergency Expert (FACEE).

Dr. S. Viswanathan (O & G)

Got 'Best Citizen' award (2012) by International Publishing House, New Delhi.

Dr. N. Junior Sundresh (Surgery)

Got Melvin Jones Fellowship International Award for humanitarian Services.

Dr. V. Raveenthiran (Pediatric Surgery)

- Was elected Executive Committee Member of Indian Association of Pediatric Surgery.
- Was member of Indian Association of Pediatric Urology.
- Was Honorary Associate Editor for Indian Journal of Surgery.
- Was Manuscript Reviewer and Editorial Adviser of Lancet, Indian Journal of Surgery, Diagnostic Pathology (USA) and Journal of Postgraduate Medicine (India).

Dr. C.S. Prakash (Anesthesiology)

Represented Annamalai University as an Academic Councillor from 2007 - 12 in Indo-US Emergency Medicine Summits.

Dr. V.K. Mohandas Kurup (PMR)

Was Adviser to UPSC for Combined Medical Services Examinations at New Delhi (2012).

Dr. Abhisek Chowdhery (PG Student in PMR)

Accompanied Indian Contingent at London Olympics (2012) as Sports Physician.

## 27. Faculty recharging strategies

Faculty members are encouraged to attend Seminar, Workshop, Conferences, teachers' Training, etc.,

## 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects (Dissertation)
- All the Postgraduate Degree students compulsorily do their dissertation
- percentage of students doing projects in collaboration with other universities / industry / institute

## 29. Awards / recognitions received at the national and international level by

- Mentioned under item.26.

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Seminar / conference Organised
A Regional Conference of IAP (Indian Academy of Pediatrics) organised by the Cuddalore District IAP and Division of Paediatrics, Rajah Muthiah Medical College on "Protocols in the management of Newborn diseases" - the THILLAI NEOCON 2006 was held in Rajah Muthiah Medical College Hospital on 30.07.2006.
CME on Laryngeal Cancer and Neck Node Dissection organised by the Division of ENT on 19.11.2007
CME on Skullbase Surgery by the Division of ENT on 25.02.2008
Organised a CME on "Family Physicians-a vanishing tribe and an acute need to train and save them": on 27.09.2008 & 28.09. 2008 by the Division of Medicine
6th Annual Report Convention of National Neonatology form TamilNadu Chapter workshops and C.M.E. Scientific programme with C.M.E and workshop for doctors, Nurses and Postgraduates was conducted by the Division of Paediatrics on 04.10.2008 - 05.10.2008

CME on Diabetes the auspice of IMSA was conducted on 20.10.08 at RMMC. by the Division of Medicine
Organised "World Anaesthesia Day" celebrations with CME on Pead Regional Anaesthesia & Cardio Vascular Evaluation by Division of Anaesthesiology on 02.11.08
CME was conducted in various Topics Conference Theme "Do the right thing" by Academy of Medical Sciences at RMMC on 13.09.08
A CME programme on "Recent Advances in Medicine" by the Division of Medicine on 05.09.2009
CME & Live Surger Workshop on OSAS and Rhinoplasty by the Division of ENT on14.03.2009
A CME programme was conducted by the Division of Medicine on World Diabetic Day 14.11.09
A CME Programme on "EPILEPSY" On (World Epilepsy Day) by the Division of Psychiatry, on 17.11.2009
Symposium of Neuroanatomy was conducted by the division of anatomy on 05.12.2009
A CME Programme on "Recent Trends in Postmortem Techniques was conducted by the Division of Forensic Medicine on05.01.2009
Neonatal Resuscitation Programme - NRP Programme Dr.S.Ramesh was Organising Chairman, under the auspice of Year Long Silver Jubilee Celebration. by the Division of Paediatrics on28.02.2010
Pediatric Alumni CME on Pediatric Critical Care at R.M.M.C.H by the Division of Paediatrics on 09.05.2010
A CME programme on "CME programme on "Liver Diseases" by the Division of Medicine on 05.09.2010
Organised Symposium on Pain Management by Division of Anaesthesiology on 01.11.2011
International Symposium on "Cardiovascular Disease Prevention" by the Division of Medicine on 21.02.11 to 22.02.
Hands-on workshop on basic obstetric ultrasound (for the postgraduates and Obstetrics & Gynecology & Radio Diagnosis) programme held on at O.T. A/c Lecturer Hall, RMMCH. by the Division of Obstetrics & Gynaecology-04.03.11
CPR workshop for CRRI's on 04.03.2011 by Division of Anaesthesiology
CPR workshop PG students on 06.05.11 by Division of Anaesthesiology
'National seminar on values in health care' was jointly organized by Director of Yoga & Head of the Department of OG & College of Nursing on 15.08.11 & 16.08.11
Conducted a workshop of 'Life Saving Skills' for Youth Red Cross on the eve of Geneva Convention,. by Division of Anaesthesiology on 15.09.11 & 16.09.11
'Research Methodology' for our Postgraduate Medical / Dental Students and Research Scholars by Division of Community Medicine on 19.09.11 to 22.09.11
21st National Conference of the Indian Society of Hypertension "BPCON 2011". by the Division of Medicine on24.09.11 & 25.09.11
'Midterm CME 2011' of Indian Psychiatric Society - Tamilnadu State by the Division of Psychiatry on 18.12.2011
'Hands on training in PCR and Blotting techniques for clinical applications - PCR 11' by the Division of Biochemistry on 21.01.12 & 22.01.12
CME On current concepts in management of pain abdomen, Head injury, Liver surgery , Spine surgery and infertility by the Division of General Surgery on 23.02.2013
Workshop conducted by Dr.G.Senthilkumar, Surgical Oncologist on Oral tumors with live demonstration of surgery. Procedure done: wide with local excision with modified radical neck dissection with pectrol major myocutaneous flap by the Division of General Surgery on 09.11.2013
CME on Mordern Needsof a Medical Practioner by Dr.K.srinivasan & his team by the Medical Education Unit on 21 & 22 Sept. 2013
BLS / PALS traning Programme by the Division of Emergency Medicine on 26 to 28 Sept. 2013

### 31. Code of ethics for research followed by the departments

- The Department is committed to undertaking research with scientific integrity and in conformity with the accepted code of principles on Good Research Practices. (GRP)
- All researchers are aware and comply with the ethical and legal requirements relating to human participants, animals, disclosures of personal information, biological materials transfer and testing and biodiversity protection before undertaking research. All

researchers follow the standard procedures for conducting research laid down by relevant scientific and professional bodies.

- All research involving use of data and materials relating to human subjects as well as laboratory animals are approved by the Ethical Committees constituted by our University. No research is undertaken until all the required approvals and authorizations are given from the appropriate ethical committees.
- The Institutional Animal Ethics Committee (IAEC) examines proposals for the conduct of animal studies follows the rules for Good Laboratory Practice (GRP) established by the Committee for the Purpose of Control and Supervision on Experiments on Animals (CPCSEA) under the guidance of an authorized veterinarian
- The Institutional Human Ethics Committee (IHEC) scrutinized the use of human tissues and clinical samples for research. Sampling of human tissues and biological fluids conform to the "Ethical Guidelines of Biomedical Research on human participants" (2006) issued by the Indian Council of Medical Research, New Delhi.
- The research students pursuing their M.Phil and Ph.D. programmes do a course work on Research Methodology in which they are taught all the ethical issues detailed above.

### 32. Student profile course-wise: 2012 - 13

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UNDERGRADUATE					
MBBS		73	77	80.82	87.00
B.Sc., Nursing			100		
B.P.T.		11		8	
POSTGRADUATE					
MPT		3		100	
M.D./ M.S.		65	26	100	100
M.Sc., Nursing		32			100
Diploma (Nursing)		19			100
PG Diploma		13	9	100	100

### 33. Diversity of students : 2012 - 13

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MPT	--	100%	--	--
M.D./ M.S. PG Diploma	25.78	53.13	21.09	--

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.: -Nil**

### 35. Student progression

Student Progression	08-09	09-10	10-11	11-12	12-13
UG to PG*	80%	86%	89%	91%	42%
PG to M.Phil.*	---	---	---	---	---
PG to Ph.D.	---	---	---	---	---
Ph.D. to Post-Doctoral	---	---	---	---	---
Employed	---	---	---	---	---
• Campus selection					
• Other than campus recruitment					

The seats for MBBS, MD/MS are always full. The admissions for BSc and MSc programmes are also full during the last four years. Both the medical and nursing programmes

of study are in great demand at present as the country is acutely short of healthcare professionals.

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	42.35
from other universities within the State	47.23
from universities from other States	10.42
from universities outside the country	---

### 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period - 26

### 38. Present details of infrastructural facilities with regard to

#### a) Library -

The Faculty of Medicine has a large library with reading rooms, books, journals and Internet facility. Each specialty has its own divisional library.

#### b) Internet facilities for staff and students- Common internet facilities available

#### c) Total number of class rooms - As per norms of appropriate councils

#### d) Class rooms with ICT facility - Lecture Halls are provided with Internet facilities

#### e) Students' laboratories - Adequate (As per MCI norms)

#### f) Research laboratories - Every postgraduate department has Research Laboratories

### 39. List of doctoral, post-doctoral students and Research Associates

#### a) from the host university : Nil

#### b) from other universities : Nil

### 40. Number of post graduate students getting financial assistance from the university?

All PG students in Medicine (PG Diploma, MD, MS) and Physiotherapy (MPT) are eligible to receive monthly stipend

### 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

We start new programme on the basis of popular demand.

### 42. Does the department obtain feedback from

#### a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

There are regular meetings of the Professors of various specialties to assess and plan the implementation of curriculum proposed by the Medical and Nursing Councils. Similar meetings also evaluate continuous internal assessments and clinical postings. The professors meeting also looks at the question papers of previous examinations

#### b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. The feedback from the students are collected and analyzed. The reports on individuals are confidentially given to the concerned teachers. The general trends are discussed in the college council.

c. alumni and employers on the programmes offered and how does the department utilize the feedback?

**43. List the distinguished alumni of the department (maximum 10)**

Name	Designation
Dr.R.Venkatesh	Aravind Eye Hospital, Pondicherry
Dr.Madhavan	Research Officer, Sankara Nethralya, Chennai
Dr.Mohamed Sayee	Proprietor, Kalaignar Research Foundation, Vellore
Dr.Ravi	Diabitologist, Apollo Hospital
Dr.Raveendar Reddy	The Registrar, Department of Paediatrics, 1, Forcrook Codesaram, Dhackley, West Yorkshire, B.D. 10, 8 WF, England, U.K.
Dr. A. Ajith Ayyappan	The Registrar, Department of Paediatrics, Department of Paediatrics & Neonatology, Royal Hobart Hospital, Hobart Tasmania Australia
Dr.K.Dinesh Prabhu	Paediatrician, Ministry of Health, Bharain
Dr.Vidhya Nair	Professor of Pathology, University of Toronto, Scarborough General Hospital
Dr. Priya Kannan	Infertility, Karbakarachambal Research Centre
Dr. Thendral	WHO, Consultant
Dr. Vijay Baskar	Hon'ble Health Minister, Govt. of Tamilnadu
Dr.Annamalai Ragupathy	Managing Director, Karpaka Vinayaka Medical College
Dr.Nirmal Cumare	Medical Superintendent, Mahatma Gandhi Medical College
Dr.Aravind	Surgical Oncologist, JIPMER

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Every year the Faculty of Medicine conducts many student enrichment programmes. 32 Nos. of workshops / seminars, etc., and 92 visiting faculty lectures given by the eminent outside faculty members

**45. List the teaching methods adopted by the faculty for different programmes.**

Didactic lecture;	Small-group discussions;	Tutorials;
Case studies;	Clinical discussions;	Practical;
Community visit;	Logbook;	

**46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Student assessment: Every programme is structured. As students move from one segment of lessons to another, they go through continuous evaluation. During practical sessions, small group discussions and clinical sessions students are directly assessed by the teachers. The logbook offers another opportunity to assess the work already performed by a candidate and this give an opportunity to find out if skills or knowledge gaps exist. On the whole each teaching method and every process of internal assessment tells us if there are unmet programme objectives.

Faculty Reports: There are periodic meetings of faculty groups. These are either specialty-wise meetings within disciplines or common forum with the Dean of studies. These meetings evaluate the progress of the programmes.

**47. Highlight the participation of students and faculty in extension activities.**

Several specialties have out-reach activities. The Community Medicine, Nursing and PMR have community level activities. The Community Medicine conducts regular student learning sessions in the community, runs a community level health centre in Pichavaram an Urban Health Centre in Chidambaram Town. The Primary Health Centre in Vadalur is upgraded to a Community



Health Centre for interns where the hostel for interns was constructed by the University with the sanction by Government of Tamil Nadu. It is at present, maintained by the University.

The Cardiology division undertakes a large cardiac risk assessment programme in the community called 'Community Cardiac Health Check up Unit, Diabetes Management and Cancer cervix and HPV. These are supported by the University and the UGC.

Students are involved in outreach programmes like Villages are adopted by College of Nursing for regular health services to the needy people / Health camps / School health programme / Mass Education programme / Health Education programme / First-aid.

As per academic curricula the UG & PG students have to undergo field experience and gain experience in home visiting, domiciliary services, giving health education (Individual & Mass education) and providing follow-up services to the needy clients especially Mothers & Children

The students gain experience by visiting nearby Primary Health Centers adopted by the Medical College and carry out regular health education programmes, provide MCH services and health services, thus contributing to the development of the community at various levels (Curative, Preventive and Rehabilitative health care) .

The students and staff regularly visit the home for mentally disabled children, geriatric homes and donate money during their visits

The students undergo training on First Aid and participate in health camps organized by the Youth Red Cross Club regularly

The students have joined in the activities of NSS, such as Rally, Camps, voluntary blood donation camps, etc

A separate blood donors' club is also running in the Rajah Muthiah Medical College most of the students are members of this club.

#### **48. Give details of "beyond syllabus scholarly activities" of the department.**

The department has made significant research output during the assessment period. The department participated regularly in the Indo-US summit for Emergency Medicine to help consolidate available knowledge on the subject. This helped the department to launch its own educational programme in Emergency Medicine

The department has started a Yoga Therapy service in the hospital. This is an innovative service where Medicine and Yoga come together. It has potential for growth and research.

The department has several ongoing multi-centre studies for Coronary Syndrome, Stroke Prevention and Management, Stroke Registry, Cardiovascular Risks, etc.

#### **49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

The Faculty of Medicine and Department of Nursing are recognized by the Medical Council of India and Indian Nursing Council respectively

#### **50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

The department through its 'Cardiac Alert' programme has proved that cardiac diseases are to a large extent preventable and that the skills and technology of prevention is within reach of most people.

The department's study of daily salt intake has revealed the surprising fact that the study subjects take more than double the anticipated quantity of common salt.

## 51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

### Strengths

- Academic programmes with unique curriculum
- Hospital with excellent infrastructure.
- Interaction with other departments of the University
- Research: The Department has significant contribution to medical and nursing research. The output from the department are satisfactory at present. Moreover, department participates in multi centre clinical studies.
- New initiatives: The Department has launched several new initiatives in health. Community healthcare, university health centre, participation in ambulance service in state highway, Blood donors' club etc are some of them.
- Human Resources : The Faculty of Medicine has full complement of staff and students. This human resource pool is a major strength.

### Opportunities

- Interdisciplinary programmes
- New Initiatives
- Developing Pharmacy outlets
- Establishing Biomedical Research Cell
- Establishing Wellness Centre

### Weakness

- Geographic Location
- Interdisciplinary studies
- Web-based classroom
- Student Activity and Alumni
- Thrust of Research

### Challenges

- Student intake
- Satellite centres
- Support for care
- No. of Research Publications: One major challenge is to get publications in full swing. Students and faculty need to be encouraged to publish on a target. Contributions as chapters to books, or even writing monographs, textbooks and creative writing are also part of successful academic activity.
- Collobration with external agencies: Getting linkages with other agencies under the government or those under the non-governmental (NGO) sector remains a big challenge.

## 52. Future plans of the department.

- Strengthen academic activities and rigor.
- Develop innovative programmes on-campus and off-campus
- Give more thrust to research

**DEPARTMENT OF NURSING**  
**(RANI MEYYAMMAI COLLEGE OF NURSING)**

**1. Name of the Department :** Nursing (Rani Meyyammai College of Nursing)

**2. Year of establishment :** -1983

**3. Is the Department part of a School/Faculty of the university?:** Yes, Faculty of Medicine

**4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

B.Sc. Nursing;

M.Sc. Nursing - Medical Surgical Nursing,;

M.Sc. Nursing - Paediatric Nursing;

M.Sc. Nursing - Obstetric & Gynaecological Nursing

M.Sc. Nursing - Community Health Nursing ;

Ph.D. Nursing

**5. Interdisciplinary courses and departments involved**

Programme	Courses	Offering Department	Offering Faculty
B.Sc (N)	Anatomy	Division of Anatomy	Medicine
	Physiology	Division of Physiology	
	Microbiology	Division of Microbiology	
	Biochemistry	Division of Biochemistry	
	Pathology	Division of Pathology	
	Pharmacology	Division of Pharmacology	
	Community Health Nursing - I (Epidemiology) (Entomology)	Division of Community	
	Psychology	Department of Psychology	Science
	Education	Department of Education	Education
	Sociology	Department of Sociology	Arts
	English	Department of English	
Computer science	Department of Computer Science	Engineering	
M.Sc (N)	ANP (Advanced Nursing Practice) - Genetics	Division of Anatomy	Medicine
	ANP (Computer Application)	Department of Computer Science	Engineering
	ANP (Epidemiology)	Division of Community Medicine	Medicine
	Speciality-I (Embryology)	Division of Anatomy	Medicine
	Nursing Education (General Education)	Department of Education	Education
	Bio-Statistics	Division of Community Medicine	Medicine
	Speciality - I &II (Neonatology)	Division of Paediatrics	Medicine

**6. Courses in collaboration with other universities, industries, foreign institutions, etc. :-** Ph.D. Nursing

**7. Details of programmes / courses discontinued, if any, with reasons :** Nil

**8. Annual/ Semester/Choice Based Credit System :-** Annual

**9. Participation of the department in the courses offered by other departments**

1. M.Sc Integrated Courses;

2. M.P.T;

3. M.Sc Clinical Psychology

### 10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Actual
Professor	6
Associate Professors	2
Asst. Professors	16+28*

### 11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr.Ms.Vijayalakshmi.E,	B.Sc. (N), M.Sc. (N), Ph.D(N)	Principal (voluntary retirement on 02.09.13)	Community Health Nursing	36	-
Dr. (Ms.). S.Kalavathi,	B.Sc. (N), M.N(N) Ph.D(N)	Principal from 19.09.13	O&G Nursing	28	8
Dr.A.Savarimuthammal,	Diploma in Nursing, RNRM, P.B.B.Sc. (N), M.N (N), Ph.D. (N)	Professor (Retired on 30.06.2009)	Medical Surgical Nursing	26	-
Dr. Ms.S.Jeyagowri,	B.Sc. (N), M.Sc. (N), Ph.D. (N)	Vice Principal from 27.01.14	Paediatric Nursing	30	8
Dr. Ms. D.Karoline,	B.Sc (N), M.Sc (N), Ph.D (N)	Professor	Community Health Nursing	33	8
Dr.Ms.M.Gandhimathi	B.Sc (N), M.Sc (N), Ph.D(N)	Professor	O&G Nursing	25	8
Dr.Ms. Kamala,	B.Sc (N), M.Sc (N), Ph.D (N)	Professor	Paediatric Nursing	24	8
Dr.S. Jeyalakshmi,	B.Sc (N), M.Sc (N), Ph.D (Part-I completed)	Reader	Psychiatric Nursing	22	2
Dr.Ms.B.Sara,	B.Sc (N), M.Sc (N), Ph.D (Part-I completed)	Reader	Medical Surgical Nursing	22	2
Ms.K.Latha,	B.Sc (N), M.Sc (N), Ph.D (Part-I completed)	Lecturer	Community Health Nursing	19	-
Ms. S.Sivapriya,	B.Sc (N), M.Sc (N)	Lecturer	Paediatric Nursing	9	-
Ms. T.Chandra,	B.Sc (N), M.Sc (N)	Lecturer	Community Health Nursing	9	-
Ms. Sivagamy,	B.Sc (N), M.Sc (N)	Lecturer	Medical Surgical Nursing	22	-
Ms. S.Shanthi,	B.Sc (N), M.Sc (N)	Lecturer	Community Health Nursing	11	-
Ms.N.Gayathri,	B.Sc (N), M.Sc (N)	Lecturer	Medical Surgical Nursing	12	-
Ms. T.Sasikala,	B.Sc (N), M.Sc (N)	Lecturer	Paediatric Nursing	11	-
Ms.P.Gnana Poongothai	B.Sc (N), M.Sc (N)	Lecturer	Community	11	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
			Health Nursing		
Ms.K.Meenakshi,	B.Sc (N), M.Sc (N)	Lecturer	Paediatric Nursing	11	-
Ms.K.Renuka,	B.Sc (N), M.Sc (N)	Lecturer	Paediatric Nursing	11	-
Ms. R.Premavathi,	B.Sc (N), M.Sc (N)	Lecturer	Paediatric Nursing	10	-
Ms. S.Usha,	B.Sc (N), M.Sc (N)	Lecturer	O&G Nursing	10	-
Dr.Mrs. A.Anbumalar	M.Sc, B.Ed, Ph.D	Lecturer	Nutrition & Dietetics	17	-
Mr. D.J.Veeramani	M.Sc, Ph.D	Lecturer	Food Science & Nutrition	9	-
Dr.Mrs. R.Kalai	M.Sc, Ph.D	Lecturer	Food Science & Nutrition	16	-
Dr. N.Saravanan	M.Sc, M.Phil, Ph.D	Lecturer	Biochemistry	12	-
Ms. S.Kalaivani,	B.Sc (N), M.Sc (N)	Tutor	O&G Nursing	18	-
Ms.D.Kalaiyarasi,	B.Sc (N), M.Sc (N)	Tutor	Psychiatric Nursing	17	-
Ms. B.Sasirekha,	B.Sc, M.Sc (N)	Tutor	Medical Surgical Nursing	11	-
Ms.B.Thalathafroze,	B.Sc (N), M.Sc (N)	Tutor	O&G Nursing	11	-
Mr.M.Siva,	B.Sc (N), M.Sc (N)	Tutor	-	9	-
Ms. R.Praveena,	B.Sc (N), M.Sc (N)	Tutor	-	10	-
Ms R.Sangari,	B.Sc (N), M.Sc (N)	Tutor	-	9	-
Ms.K.Suganthi,	B.Sc (N), M.Sc (N)	Tutor	-	10	-
Miss.S.Bhuvanewari,	B.Sc (N), M.Sc (N)	Tutor	-	7	-
Ms. K Sheelarani,	B.Sc (N)	Tutor	-	14	-
Ms.R.Kanmani,	B.Sc (N)	Tutor	-	13	-
Ms.S.Lakshmi,	B.Sc (N)	Tutor	-	11	-
Ms.Arutselvi,	B.Sc (N)	Tutor	-	11	-
Ms.S.Bharathi,	B.Sc (N)	Tutor	-	13	-
Ms. V.Christeenal,	B.Sc (N)	Tutor	-	10	-
Ms. V.Gajalakshmi,	B.Sc (N)	Tutor	-	10	-
Ms.P.Sivagamasundari,	B.Sc (N)	Tutor	-	10	-
Ms. V.Tamilselvi,	B.Sc (N)	Tutor	-	10	-
Ms. V.Senthilkumari,	B.Sc (N)	Tutor	-	10	-
Ms. A.Saraswathi,	B.Sc (N)	Tutor	-	10	-
Ms. A.Indira Gandhi,	B.Sc (N)	Tutor	-	10	-
Ms. G.Sumathi,	B.Sc (N)	Tutor	-	12	-
Ms. P.Chitra devi,	B.Sc (N)	Tutor	-	9	-
Ms.C.Seethalakhsmi,	B.Sc (N)	Tutor	-	9	-
Ms.A.Bhavani,	B.Sc (N)	Tutor	-	11	-
Miss M.Kalpana,	B.Sc (N)	Tutor	-	9	-
Ms.K.Sangeetha,	B.Sc (N)	Tutor	-	7	-
Ms.S.Sivagamasundari,	B.Sc (N)	Tutor	-	7	-
Ms.N.Jeyalakshmi	B.Sc (N)	Tutor	-	15	-

## 12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors

- BK. Mathilda, Nursing Superintendent, Global Hospital and Research Centre, Mount Abu.
- Dr. K. Jagadeesan, International President, IMSA, K.J. Hospital, Chennai
- Dr. Jothiclara, Director of Nursing, Global Hospital, Chennai.

### 13. Percentage of classes taken by temporary faculty – programme-wise information- Nil

### 14. Programme-wise Student Teacher Ratio

B.Sc (N) - 1:10; M.Sc (N) - 1:10

### 15. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Actual
Technical	17
Administrative Staff	26

### 16. Research thrust areas recognized by funding agencies

Thrust areas for self funded projects

- Cardiac care
- Care of clients with chronic illness - Diabetes Mellitus
- Maternal care
- Breast feeding
- HIV
- Geriatric Nursing
- Care of clients with chronic illness - Hypertension
- Newborn care
- Family planning

### 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

Name of the Investigator	Title	Funding agency	Duration	Grants received (Rs.)
Dr. N.Saravanan	Exploration of a new role in Morin on liver injury and cytokine response induced by hepetotoxin-ethanol	DST	2012-15	18,60,000
	Exploration of a role of Spirulina on ethanol and lipopolysaccharid induced alcoholic liver diseases (Two hit proposal of ALD) in rats via downregulating toll-kite receptor 4 pathway	UGC	2012 - 15	Rs.13,10,800
			<b>Total</b>	<b>31,70,800/-</b>

### 18. Inter-institutional collaborative projects and grants received

a) All India collaboration b) International - Nil

### 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. - Nil

### 20. Research facility / centre with

- state recognition by - Tamilnadu Nurses and Midwives Council
- national recognition by - Indian Nursing Council
- international recognition by - Nil

### 21. Special research laboratories sponsored by / created by industry or corporate bodies -

**22. Publications:**

- Number of papers published in peer reviewed journals (national / international) – 129 (Annexure - I)
- Monographs - 14
- Chapters in Books – 2 (Text Book of fundamentals of Nursing)
- 9 in process (Text Books on Nursing Research-1, Midwifery-2, Pediatric Nursing-2, Nursing Foundation-2, Community Health Nursing-1, Nursing Education-1)
- Edited Books – 1
- Books with ISBN with details of publishers – 1(Essa MM and M.Mohamed Essa and Memom MA – Nova Science)
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index – range / average
- SNIP – Minimum / Maximum
- SJR - Range
- Impact Factor – range / average 1.732 – 4.021
- H-index - Range

**23. Details of patents and income generated :** Nil.

**24. Areas of consultancy and income generated :** Nil

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad :-**

Dr. Saravanan – International (Japan)

Ms. Chandra – National (Coimbatore)

**26. Faculty serving in** a) National committees b) International committees c) Editorial Boards d) any other (please specify)

- National committees – Dr. Vijayalakshmi Ethiraj & Dr. Karoline Rajkumar – CNE Co-ordinators in SOCHNI
- Editorial Boards - Dr. Vijayalakshmi Ethiraj – Review Committee Member in the International Journal – Continuing Nursing Education
- Dr.S.Kalavathi, Principal served as Member of Board of Studies in Nursing, SRMC, Chennai from 2008 to 2010
- Dr.S.Kalavathi, Principal is a Member of Board of Studies in Nursing, Pondicherry University from 2010 to 2013.
- Dr.Ms.D.Karaline Karunagari, Professor served as Chairman of Institutional Human Ethical Committee – Sri Balaji Vidhiya Peeth University, Pudhucherry from 2010 to 2012.
- Dr.Mrs.D.Karaline Karunagari, Professor- Executive Member in Society of Community Health Nurses of India (SOCHNI)
- Dr.Mrs.D.Karaline Karunagari, Professor - Advisory board member in the editorial committee in Indian Journal of Continuing Nursing Education, CMC, Vellore
- Dr.Mrs.D.Karaline Karunagari, Professor - Contributory editor in Community Health Nursing Journal, TNNMC, Chennai
- Dr.Mrs.D.Karaline Karunagari, Professor - Contributory editor in Community Health Nursing journal, SOCHNI

- Dr.S.Kalavathi, Principal, Dr.S.Jeyagowri, Vice Principal & Dr.Mrs.D.Karaline Karunagari, Professor serve as Ad-hoc inspectors for Tamilnadu Nurses and Midwives Council
- 5 Professors & 2 Readers serve as Ad-hoc inspectors for Indian Nursing Council

## 27. Faculty recharging strategies -

The faculties are encouraged to participate in the Workshops, Short Term Training Programme, Refresher Courses, Summer/ Winter School, In-Service Training so as to update themselves in the latest developments in the subject. To facilitate knowledge sharing and to provide platform to the faculties working in similar areas of subject.

## 28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects - 92%
- percentage of students doing projects in collaboration with other universities / industry / institute - 8%

## 29. Awards / recognitions received at the national and international level by

- Faculty
  - Dr. S.Kalavathy & Dr. M.Gandhimathi, Best Research paper award - Efficacy on Breast feeding among mothers
  - Dr. JeyagowriSubash & Ms. Chitra (Ph.D Scholar) Best Research paper award - Foot Massage intervention on chemotherapy induced pain in children with cancer
  - Ms. Renuka, Lecturer in Nursing received an Award of Best Youth Red Cross Programme Officer, Annamalai University in the year 2012.
- Doctoral / post doctoral fellows
- Students
  - Ms.Aswani, II M.Sc Nursing received Best Youth Red Cross Volunteer in Annamalai University (Independence Day celebration - 15.08.12)
  - Ms. R.Geetha, M.Sc Nursing (old PG student 2007-2009) received National Florence Nightingale Award for Nursing Personnel in the year May 2012.

## 30. Seminars/ Conferences/Workshops organized and the source of funding national / international) with details of outstanding participants, if any.

Date	Seminars/ Conferences/ Workshops	Source of funding	Outstanding participants
3.12.2012	Seminar on HIV Aids	Self funded	
04.04.2008	Seminar on Foeticide and Infanticide	Self funded	
11.04.2008	Work shop on Educational Technology and future perspectives in nursing education	Self funded	
Oct. 2008	Workshop on Neonatal Nursing	Self funded	
23.03.2009	Workshop on drill on disaster management	Self funded	
30.03.2009	Seminar on Role of nurse during disaster	Self funded	
20.11.2009	Seminar on newborn care	Self funded	
18.06.2010	Seminar on Obstetrical emergencies	Self funded	
16.07.2010	Workshop on personality development and assessment	Self funded	
15.08.2011 & 16.08.2011	National Seminar on Values in Health Care	Self funded	1. BK.Mathilda, Nursing Superintendent, Global Hospital and Research Centre, Mount Abu 2. Dr.K.Jagadeesan, International President, IMSA, K.J.Hospital, Chennai



Date	Seminars/ Conferences/ Workshops	Source of funding	Outstanding participants
07.03.2012 & 08.03.2012	UGC sponsored National Seminar on Evidence-Based Practice in Nursing	UGC	1. Dr.Jothiclara, Director of Nursing, Global Hospital, Chennai 2. Ms.Jeany, Principal, CON, GKNM Hospital, Coimbatore 3. Ms.Lakshmama V.T, Principal, Kempegowda CON, Bangalore 4. Ms.Latha.M, Principal, Anbu CON, Salem 5. Ms.S.Chandrakala, 6. Vice-Principal, Sacret Heart CON, Madurai 7. Ms.Premila.T, Principal Nursing Officer, School of Nursing, MTIHS, Pondicherry
22.02.2011	Seminar on Breast feeding	Self funded	
28.07.2011	Workshop on computer application in Nursing	Self funded	
20.07.2012	Workshop on effective use of A.V.Aids in education	Self funded	
08.08.2013	Workshop on A-Z of clinical teaching	Self funded	
18.09.2013	Legal and ethical issues in nursing	Self funded	

### 31. Code of ethics for research followed by the departments -

Department of nursing is committed to undertake research for B.Sc Nursing, M.Sc Nursing and Ph.D in Nursing programmes with scientific integrity and conform with the accepted code of ethical principles based on code of nursing ethics.

All researchers get permission from the Institutional Human Ethical Committee of Annamalai University before undertaking any research.

The Institutional Human Ethical Committee (IHEC) scrutinizes the use of human volunteers and clinical samples for research. Sampling of human tissues and biological fluids conform to the Ethical guidelines for bio medical research on human participants (2006), issued by the Indian Council of Medical Research, New Delhi.

The research students pursuing their M.Sc (N) and Ph.D programmes do a course work on Research Methodology, in which they are taught all the ethical issues in detail.

Patient's information is always kept confidential. For human experiments the researcher gets consent from each subject and keep the information confidential.

### 32. Student profile course-wise: (2012-2013)

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Sc. Nursing	150		100		100%
M.Sc. Nursing	15	1	5	100%	100%
Ph.D.	10		5		

### 33. Diversity of students – 2007 -2012

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
B.Sc Nursing	-	78.8%	20.8%	0.26%
M.Sc Nursing - Medical Surgical Nursing	24.6%	52.6%	22.8%	
M.Sc Nursing - Peadiatric Nursing	8.8%	67.6%	23.5%	
M.Sc Nursing - Obstetric & Gynaecological Nursing	71.8%	25.6%	2.6%	
M.Sc. Nursing-Community Health Nursing	44.8%	41.4%	13.8%	
Ph.D Nursing	49%	47%	4%	

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.-** CGFNS – 78 Nos.

### 35. Student progression

Student progression	Percentage against enrolled
UG to PG	20%
PG to M.Phil.	-
PG to Ph.D.	50%
Ph.D. to Post-Doctoral	-
Employed	90%
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurs	

### 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	58%
from other universities within the State	37%
from universities from other States	5%
from universities outside the country	-

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. :-** 8

### 38. Present details of infrastructural facilities with regard to

a) Library - Total area of the library (in Sq. Mts.) : 5800 sq. ft  
Total seating capacity : 250

b) Internet facilities for staff and students : Available

c) Total number of -class rooms :

- One high tech class room with LCD
- Spacious class rooms for UG & PG programme
- 4 lecture halls for UG students
- 2 common class rooms for PG students
- 5 speciality class rooms for PG students
- Class rooms are equipped with LCD, OHP and Mike system

d) Class rooms with ICT facility : ----

e) Students' laboratories : Laboratories available in the college

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>➤ Fundamental Nursing lab</li> <li>➤ OBG Nursing lab</li> <li>➤ Psychiatry Nursing lab</li> <li>➤ Computer lab</li> </ul> | <ul style="list-style-type: none"> <li>➤ Paediatric Nursing lab</li> <li>➤ Community Health Nursing lab</li> <li>➤ Nutrition lab</li> </ul> |
|--|---|

Laboratories utilized from the medical college

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>➤ Anatomy lab</li> <li>➤ Microbiology lab</li> <li>➤ Pathology lab</li> </ul> | <ul style="list-style-type: none"> <li>➤ Physiology lab</li> <li>➤ Bio chemistry lab</li> <li>➤ Pharmacology lab</li> </ul> |
|--|---|

f) Research laboratories :

- Hospital is the research laboratories for the faculty and students
- 1250 Bedded Parent Hospital with variety of clinical cases are available for their research work

### 39. List of doctoral, post-doctoral students and Research Associates

a) from the host university

S.No.	Name	S.No.	Name	S.No.	Name
1	Ms.B.Sivagamy	6	Ms.Latha.K	11	Ms.T.Sasikala
2	Ms.K.Meenakshi	7	Ms.T Chandra	12	Ms. T. Gayathri
3	Ms.P.Gnanapoongothai	8	Ms.S.Shanthi	13	Ms. S. Kalaivani
4	Ms.S.Sivapriya	9	Ms.S.Usha	14	Mr.D.J. Veeramani
5	Ms.K.Renuka	10	Ms.R.Premavathy		

b) from other Universities

S.No.	Name	S.No.	Name	S.No.	Name
1	Ms. Latha M	14	Ms. Chitra P	27	Ms.Kalaiselvi.K
2	Ms.Ejomalai premila	15	Ms.Jasmine parimala	28	Ms.Sumithra.S
3	Ms.Kavitha. C	16	Ms.M.J.Kumari	29	Ms.Sasi.V
4	Ms. Vijayabanu. S	17	Ms. Jaeny B	30	Ms.Revathi.C
5	Ms.V.Vetriselvi	18	Ms.Chandrakala	31	Mr.George Joe Kumar. A
6	Ms.A.Felicia Chitra	19	Ms.Padmavathi Nagarajan	32	Ms.Camala.B
7	Ms.Kalabarathi.S	20	Ms.Nivethitha.K	33	Ms.R.Gomathy
8	Ms.Rajalakshmi.S	21	Mr.Meenakshi sundram.N	34	Ms.R.Malathy
9	Ms.Lakshamma.V.T	22	Ms.Rajathi.A	35	Ms.S.Anitha May Leena
10	Soney.M.Varghese	23	Ms.Anjula devi.R	36	Ms.M.Anbarasi
11	Sheeba Wiselin	24	Ms.Umadevi.A.K	37	Ms.Ponnu Gangeswari
12	Ms. Violin Sheeba T	25	Ms.Johnycrani. R	38	Ms.A.Latha
13	Ms. Raji K	26	Ms.Seena. S	39	Mr.Koteswara Prabu

40. Number of post graduate students getting financial assistance from the University? - 2 Students

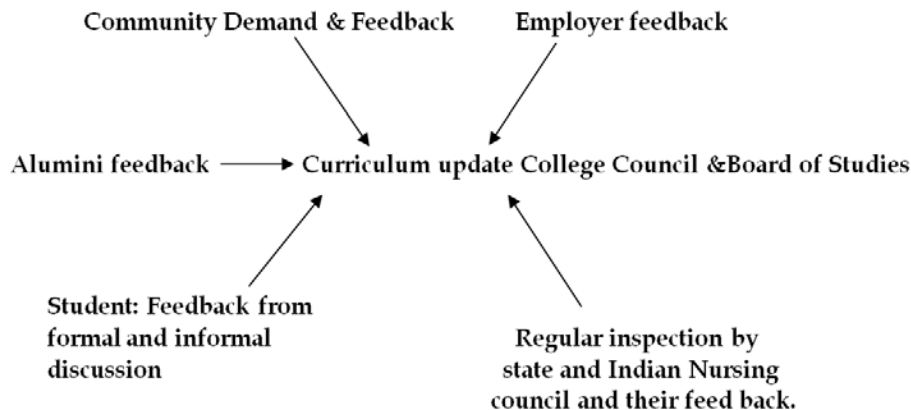
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology : -Not Applicable

42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? - yes

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

c. alumni and employers on the programmes offered and how does the department utilize the feedback?



Feedback obtained from the faculty, students and alumni are considered in implementation of the curriculum and evaluation

#### 43. List the distinguished alumni of the department (maximum 10)

Name	Designation & Address
B. Naseem Banu	Independent family nurse practitioner in U.S.A
Thangamani	Independent family nurse practitioner in U.S.A
S. Madhavi	Principal, College of Nursing, KMCH, Coimbatore
L.Lakshmi	Principal, College of Nursing, Chettinadu Health city, Chennai
D. Sarumathi	Quality Control manager, Sri Ramachandra University, Chennai
R. Abisha	CGFNS Co-ordinator
Sabeera Banu	Principal, College of Nursing, Manamadurai
L. Anand	Principal, NRUPUR Institute of Nursing Science & Research, Vadodara-19
Jasmine Parimala	Principal, CSI Elize Caldwell College of Nursing, Tirunelveli
R. Geetha	Recipient of Best Nurse award 2012

#### 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts. (2011-2012)

- Exhibition on diabetes mellitus organized by staff and students of Medical Surgical Nursing on 14.12.11 at RMMCH, OPD.
- National Aids Day was celebrated by Staff and Students of Medical Surgical Nursing in the first week of December 2011 at RMCON, AU
- National seminar on Values in Health Care was organized jointly with Centre for Yoga Studies and RMCON on 15.08.11 & 16.08.11 at Sastri Hall
- Exhibition and health education programme on breast feeding on 03.08.11. Organized by Dr. Ms. Jeyagowri, Professor & Dr. Ms. S. Kamala Professor at RMMCH OPD, A.U.
- Extension programme on breast feeding on 11.08.11. Organized by Dr. Ms. S. Jeyagowri, Professor, Dr. Ms. S. Kamala Professor, Mrs. T. Sasikala, Tutor and Mrs. K. Renuka at Govt. Higher Secondary School, Killai.
- Quiz programme on breast feeding on 25.08.11. Organized by Dr. Mrs. S. Jeyagowri, Professor, Dr. Mrs. S.Kamala Professor, Ms. B. Sivagama Sundari, Tutor, Ms. K. Sheelarani, Tutor and Ms. K. Suganthi at Gallery Hall, RMCON.
- World mental health day for the year 2011 was celebrated on October 2011. Theme-“The Great Push: Investing in Mental Health” organized by department of mental health

#### 45. List the teaching methods adopted by the faculty for different programmes.

UG Programme - Lecture, Lecture cum discussion, Lecture cum demonstration, Field trip, clinical teaching, clinical demonstration, case study.

PG Programme - Lecture, Lecture cum discussion, Seminar, Symposium, Workshop, Lecture cum demonstration, Field trip, clinical teaching, clinical demonstration, case study.

#### 46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- By concurrent and terminal evaluation

#### 47. Highlight the participation of students and faculty in extension activities.

- Student actively participate in mass education programmes, Health exhibition, health camps, school health programme, health education programme. All these programme are conducted periodically (monthly) in rural areas (Totally 93 programmes were organized from June 2007 to Jan 2014).

- Awareness on obesity and screening programme for hypertension organized from 06.06.13 to 15.06.13, OPD, RMMCH
- Mass education and screening programme was conducted (World health day) on the theme of World Health Day - 2013 Greater Awareness Healthy Behavior, improved detection and enabling environment on 08<sup>th</sup> - 10<sup>th</sup> April 2013.
- Diabetes free screening camp organized by YRC on 14.10.2013 at Pallipadai, Chidambaram.

#### **48. Give details of “beyond syllabus scholarly activities” of the department.**

Student participate in elocution, Essay competition conducted by the department and the university

#### **49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

Both UG & PG Programmes are approved by the State Nursing Council and Indian Nursing Council

#### **50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

Produced 10 Ph.Ds during the assessment period

#### **51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

##### **Strengths**

- Faculty trained from premier institution such as CMCH Vellore, RAK College of Nursing, New Delhi & Government College of Nursing, Chennai.
- 10 Faculty with Ph.D. qualification and 14 Faculty doing Ph.D.
- Spacious class rooms
- Well equipped laboratories
- Good Library
- Good Clinical facilities - Hospital & Community
- Academic Freedom

##### **Weakness**

- Job oppurtunities for the Post Graduate are because of increase in number of colleges.

##### **Opportunities :**

- Better Job opportunities with increased number of new nursing colleges
- Chances for Foreign job opportunities

##### **Challenges :**

- As the college is situated in Rural area the students from various background are admitted, with less communication skill. It is a challenge for faculty to produced a efficient graduate.

#### **52. Future plans of the department.**

To start Post Basic Diploma in

- Operation Theatre Nursing
- Neonatal Nursing
- Critical Care Nursing
- Emergency and Disaster Nursing.



## DEPARTMENT OF DENTISTRY

- 1. Name of the Department:** Dentistry
- 2. Year of establishment:** 1980
- 3. Is the Department part of a school/Faculty of the University?** Yes Faculty of Dentistry
- 4. Names of Programmes / Courses offered (UG,PG,M.Phil., Ph.D., integrated Master; integrated Ph.D., etc.) :**

Bachelor of Dental Surgery (BDS)	MDS. Oral Medicine & Radiology
MDS. Oral Pathology & Microbiology	MDS. Oral & Maxillofacial Surgery
MDS. Orthodontia & Dentofacial Orthopaedics	MDS. Periodontics
MDS. Paedodontics & Preventive Dentistry	MDS. Prosthodontics & Crown and Bridge
MDs. Conservative Dentistry & Endodontics	PhD. Oral Pathology
PhD. Periodontics	PhD. Orthodontia
Certificate course in Dental mechanics	Certificate course in Oral Hygienist

- 5. Interdisciplinary courses and departments involved :-** Nil
- 6. Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
- 7. Details of programmes / courses discontinued, if any, with reasons:** Nil
- 8. Annual / Semester/ Choice Based Credit System** - Annual
- 9. Participation of the department in the courses offered by other departments-**

The department of oral pathology actively participates in PhD programs in Medical Biochemistry, Biotechnology and Marine Biology

Department of Oral Pathology trains the MD - Pathology students in head and neck pathology

- 10. Number of teaching posts sanctioned and filled ( Professors / Asso.Professors / Asst.Professors )**

	Actual
Professor	23
Associate Professors	20
Asst. Professors& tutors	42

- 11. Faculty profile with name, qualification, designation and specialization (D.Sc/D.Litt/ Ph.D./ M.Phil,etc)**

Name	Qualification	Designation	Specialization
Dr. Mythili	MDS	Principal	Periodontics
Dr. Senthil Kumar	MDS	Vice Principal	Periodontics
Dr. Ravi David Austin	MDS	Professor & Head	Oral Medicine & Radiology
Dr.Rajasigamani	MDS	Professor & Head	Orthodontics
Dr. Madhavan Nirmal	MDS	Professor & Head	Oral Pathology & Microbiology
Dr. Suma Karthikeyan	MDS	Professor & Head	Prosthodontics
Dr. Thangavelu	MDS	Professor & Head	Oral & maxillofacial Surgery
Dr. Krishnakumar	MDS	Professor & Head	Pedodontics
Dr. Shafie Ahamed	MDS	Professor & Head	Conservative Dentistry
Dr. Arunmozhi	MDS	Professor & Head	Public Health Dentistry
Dr. Krishnan	MDS	Professor	Periodontics

Name	Qualification	Designation	Specialization
Dr. Rajasekar	MDS	Professor	Periodontics
Dr. Siji Jacob	MDS	Professor	Periodontics
Dr. Arun RT	MDS	Professor	Periodontics
Dr. Ramasamy	MDS	Professor	Oral Medicine & Radiology
Dr. Baskar V	MDS	Professor	Orthodontics
Dr. Murali Naidu R	MDS	Professor	Oral Pathology & Microbiology
Dr. Veeravarmal V	MDS	Professor	Oral Pathology & Microbiology
Dr. Balasubramanian	MDS	Professor	Prosthodontics
Dr. Ashraf Ali	MDS	Professor	Prosthodontics
Dr. Srinivasan	MDS	Professor	Oral & maxillofacial Surgery
Dr. Sugumaran DK	MDS	Professor	Pedodontics
Dr. Meiyappan	MDS	Professor	Conservative Dentistry
Dr. Lakshmisri	MDS	Reader	Periodontics
Dr. Srinivasan	MDS	Reader	Periodontics
Dr. Philip Mathew	MDS	Reader	Oral Medicine & Radiology
Dr. Kurinjikumaran	MDS	Reader	Orthodontics
Dr. Senthil Koumaran	MDS	Reader	Orthodontics
Dr. Arafeth	MDS	Reader	Orthodontics
Dr. Vijitha	MDS	Reader	Prosthodontics
Dr. Sathish	MDS	Reader	Prosthodontics
Dr. Leony	MDS	Reader	Prosthodontics
Dr. Thiruneelakandan	MDS	Reader	Oral & maxillofacial Surgery
Dr. Janarthanan	MDS	Reader	Oral & maxillofacial Surgery
Dr. Ranjith	MDS	Reader	Oral & maxillofacial Surgery
Dr. Ramkumar	MDS	Reader	Oral & maxillofacial Surgery
Dr. Mohan	MDS	Reader	Pedodontics
Dr. Joby Peter	MDS	Reader	Pedodontics
Dr. Sai Sathyanarayana	MDS	Reader	Conservative Dentistry
Dr. Arun Kulanthaivel	MDS	Reader	Conservative Dentistry
Dr. Senthilkumar AD	MDS	Reader	Conservative Dentistry
Dr. Little Mahindra	MDS	Lecturer	Periodontics
Dr. Kavitha	MDS	Lecturer	Periodontics
Dr. Venkadesh	MDS	Lecturer	Oral Medicine & Radiology
Dr. Ramya	MDS	Lecturer	Oral Medicine & Radiology
Dr. Vijayalakshmi L	MDS	Lecturer	Oral Medicine & Radiology
Dr. Maria Rajathi	MDS	Lecturer	Oral Medicine & Radiology
Dr. Sakthivel	MDS	Lecturer	Oral Medicine & Radiology
Dr. Santhanakrishnan	MDS	Lecturer	Orthodontics
Dr. Karthik K	MDS	Lecturer	Orthodontics
Dr. Reddy Duvvuri	MDS	Lecturer	Orthodontics
Dr. Ravindranath	MDS	Lecturer	Orthodontics
Dr. Thamarai Selvi	MDS	Lecturer	Oral Pathology & Microbiology
Dr. Amsaveni	MDS	Lecturer	Oral Pathology & Microbiology
Dr. Mohamed Nassar	MDS	Lecturer	Oral Pathology & Microbiology
Dr. Deepasree	MDS	Lecturer	Oral Pathology & Microbiology
Dr. Premlal KR	MDS	Lecturer	Oral Pathology & Microbiology
Dr. Mahindra kumar	MDS	Lecturer	Prosthodontics
Dr. Mangala Deivani	MDS	Lecturer	Prosthodontics
Dr. Aadalarasan	MDS	Lecturer	Oral & maxillofacial Surgery
Dr. Hariprasad	MDS	Lecturer	Oral & maxillofacial Surgery
Dr. Selvakumar	MDS	Lecturer	Oral & maxillofacial Surgery



Name	Qualification	Designation	Specialization
Dr. Thaiyumanavan	MDS	Lecturer	Pedodontics
Dr. Syed Shaheed Ahmed	MDS	Lecturer	Pedodontics
Dr. Anand Prabu		Lecturer	Pedodontics
Dr. Sillaswarna Swathy	MDS	Lecturer	Pedodontics
Dr. Satheesh Kumar	MDS	Lecturer	Conservative Dentistry
Dr. Bhavani S	MDS	Lecturer	Conservative Dentistry
Dr. Rajaram	MDS	Lecturer	Conservative Dentistry
Dr. Krishnaraj	MDS	Lecturer	Public Health Dentistry
Dr. Arularasi Aparna	MSc, PhD	Lecturer	Microbiology
Dr. Arulkumar	MDS	Tutor	Oral pathology & Microbiology
Dr. Soniya	BDS	Tutor	
Dr. Thara	BDS	Tutor	
Dr. Malarkodhi	BDS	Tutor	
Dr. Sathish kumar	BDS	Tutor	
Dr. Elakiya	BDS	Tutor	
Dr. Priya	BDS	Tutor	
Dr. Sindhiya	BDS	Tutor	

## 12. List of senior Visiting Fellows, faculty , adjunct faculty, emeritus Professors

1. Dr.N.Gnanasundaram M.D.S., Division of Oral Medicine, Saveetha University, Chennai.
2. Dr.Souhiel Hussaine, Director, Oral Implantology Centre, Dubai.

## 13. Percentage of classes taken by temporary faculty - Programme-wise information :-

Not applicable

## 14. Programme -wise Student - teacher Ratio

Programme	Student Teacher Ratio
BDS	6:1
MDS	1:1

## 15 Number of academic support staff (technical) and administrative staff: sanctioned and filled:

	Actual
Administrative Staff	27
Academic	121

## 16. Research thrust areas recognized by funding agencies : - Nil

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise. :- Nil

## 18. Inter-institutional collaborative projects and grants received

a) All India collaboration                      b) international : - Nil

19. Departmental projects funded by DST-FIST, UGC-SAP / CAS, DPE; DBT, ICSSR, etc., total grants received. :- Nil

## 20. Research facility / centre with : - Nil

- State recognition
- National recognition
- International recognition

**21. Special research laboratories sponsored by / created by industry or corporate bodies: - Nil**

**22. Publications:**

- Number of papers published in peer reviewed journals ( national / international) : - 70 (Annexure - I)
- Monographs : Nil
- Chapters in Books : 1
- Edited Books
- Books with ISBN with details of publishers : 2
- Number listed in international data base (For Eg. Web of Science, Scopus, Humanities international complete, Dare Database- international Social Sciences Directory, EBSCO host, etc.,)
- Citation Index - range/average :
- SNIP
- SJR
- Impact Factor-- range/average : 0 -2.104
- h-Index

**23. Details of patents and income generated :- Nil**

**24. Areas of consultancy and income generated : - Nil**

**25. Faculty selected nationally / internationally to visit other laboratories in India and abroad. :- Nil**

**26. Faculty serving in a) National committees, b) International committees c) Editorial Boards, d) other(please specify) :**

Editorial Boards : 8

**27. Faculty recharging strategies**

The staff members are encouraged to attend conferences, seminars, symposium and workshops annually. Points are awarded by the Indian Dental Association (IDA) for participation which is mandatory for renewal of registration to the council. The staff members are also encouraged to attend faculty development programs conducted by other institutions and universities.

**28. Student projects**

- Percentage of students who have done in-house project including inter - departmental projects. : 22%
- Percentage of students doing projects in collaboration with other universities / industry / institute : Nil

**29. Awards / recognitions received at the national and international level by**

- Faculty
  - Dr. Kurinji Kuamran -Best Life member Research Award, Indian Orthodontic Society (2013)
  - Dr. Thankavelu - Best Editor Award for State Dental Journal (2014)
  - Dr. Arun Kulanthivel - Best young Dentist Award (2012)
- Doctoral / post doctoral fellows

➤ **Students**

- Dr. R. Balakumaran – Mother Theresa Sadbhavana Award, Indian Solidarity Council for professional excellence (2013)

**30. Seminars / Conference / Workshops organized and the source of funding ( national / international ) with details of outstanding participants , if any. -**

Date	Event	Outstanding Participants
July 2007	7th National PG Convention of IAOMP	Dr. Samuel Abraham, Stem cell Researcher, JAPAN
Aug 2007	'GIVA DENT' PG CONVENTION of Periodontics	
Aug 2008	'GIVA DENT' PG CONVENTION of Periodontics	
Aug 2009	'GIVA DENT' PG CONVENTION of Periodontics	
Aug 2010	'GIVA DENT' PG CONVENTION of Periodontics	

**31. Code of ethics for research followed by the departments**

- All researches are monitored by senior faculty strictly adhering to the code of research
- All studies pass through University Animal ethical committee and Human ethical committee as appropriate.

**32. Student profile course - wise.**

Name of the course	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG	108	17	75	80	86
PG	45	19	18	90	95

**33. Diversity of students**

Name of the course (refer to question No.4)	% of students From the same University	% of students From other universities Within the state	% of students From universities Outside the state	% of students From the Other countries
BDS				
MDS	36	48	18	

**34. How many students have cleared civil services and defence services examinations, NET, SET, GATE and other competitive examinations? Give details category - wise.**

Not applicable

**35. Student progression**

Student progression	Percentage against enrolled
UG to PG	20
PG to M.Phil	
PG to Ph.D	2
Ph.D to Post - Doctoral	
Employed	
• Campus selection	
• Other than campus recruitment	
Entrepreneurs	

**36. Diversity of staff**

Percentage of faculty who are graduates	
Of the same university	61
From other universities within the state	31
From universities from other states	8
From universities outside the country	

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. – Ph.D. -7**

**38. Present details of infrastructural facilities with regard to**

- a. Library - Full Fledged A/c
- b. Internet facilities for staff and students : Yes
- c. Total number of class rooms : 5 A/C
- d. Class rooms with ICT facility
- e. Students laboratories : Yes
- f. Research laboratories : Yes

**39. List of doctoral , post – doctoral students and Research Associates**

- a. from the host universities : 6
- b. from other universities : 3

**40. Number of post graduate students getting financial assistance from the university? : - Nil**

**41. Was any need assessment exercise undertaken before the development for new Programme(s) ? If so, highlight the methodology. : - Nil**

**42. Does the department obtain feedback from**

a. faculty on curriculum as well as teaching – learning – evaluation ? If yes , how does the department utilize the feedback?

Yes. Faculty feedbacks are obtained often for improving the teaching qualities and teaching methods.

b. students on staff, curriculum and teaching - learning – evaluation and how does the department utilize the feedback?

Yes. Students' feedbacks are used for improving student curriculum structuring, student-teacher relation and to validate the effectiveness of teaching methods followed.

c. alumni and employers on the programmes offered and how does the department utilize the feedback? : - No

**43. List the distinguished alumni of the department (maximum 10) :**

1. Dr. Souheil R Hussaini, Implant Centre, Dubai
2. Dr. SM Balaji, was President of Indian Association of Oral & maxillofacial Surgeon, Editor of ISDR, Dental Council Member
3. Dr. Sivakumar, Maxillofacial Anesthetist, Florida, USA
4. Dr. Shankar Iyer, Implantologist, Fellow of International Implantology, Member of American Academy of Implant Dentistry (AAID), New York , USA
5. Ranjan Sundaram, Dean, Mauritius Dental School, Mauritius
6. Dr. Rangarajan, was DCI member, Past president, Secretary of Indian Prosthodontic association
7. Dr. Thangavelu, Past Vice president, joint editor of Association of Oral & Maxillofacial Surgeons of India

**44. Give details of student enrichment programmes (special lectures / workshops / seminar)**

Involving external experts.

Each specialty conducts at least one seminar or symposium at regional level to enrich the knowledge in the field and to encourage interaction among the students of various colleges. Such seminars are conducted by inviting eminent speakers in the field.

- Path finder 2009 – Continuing Dental Education program
- Clinical society Meetings – Once in every 3 months will be conducted where eminent speakers are invited to deliver guest lectures.

**45. List the teaching methods adopted by the faculty for different programmes.**

1. Audio Visual;
2. Power Point;
3. Educational models;
4. Chairside teaching;
5. Group discussions;
6. Journal clubs.

**46. How does the department ensure the programme objectives are constantly met and learning outcomes monitored?**

Class tests, Internal assessment exams, periodic model examinations etc

**47. Highlight the participation of students and faculty in extension activities.**

Students are encouraged to present scientific papers and posters in various state level and national level conferences and conventions. Students also conduct dental camps in rural areas on routine basis.

Students also participate in activities such as NSS and Youth Red cross.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

All the departments encourage students and staff to participate in various national and international conferences to present their work.

Departments also conduct conferences and symposia each year

**49. State whether the programme / department is accredited / graded by other agencies? If yes, give details.**

Yes, accredited to DCI

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. – Research activity / Ph.D / Students project**

The faculty of Dentistry has around 4 Ph.Ds been awarded and another 8 Ph.Ds at various levels of completion in the field of Dentistry. The department of Oral Pathology along with the Department of Marine Biology has completed one UGC sponsored major project.

## 51. Detail any five strengths , Weaknesses , Opportunities and challenges (SWOC) of the department.

### Strengths

- Situated in one of the state's geographically underdeveloped areas, the college has very good patient inflow, which will facilitate the students to learn diverse disease processes with ease.
- Good hands-on training with adequate study material
- Being one of the oldest colleges in this part of the world, the institute has the name & trust among the people in and around.
- Well experienced teaching faculty
- Very good hostel facilities within the campus attracts good number of students

### Weaknesses

- Being in a rural area, Electronic Connectivity is not good as the cities.
- Being a coastal town exposed to periodic cyclones and floods which often devastate the infrastructure.
- Being in a rural area, it is difficult to strike private or corporate partnerships and collaborations.
- Access to modern facilities /extra curricular activities for the students is limited
- Infrastructure is limited

### Opportunities

- Opportunity to serve medical service to rural population
- Identify areas of research in the rural scenario
- Being a residential institute with 10 faculties in the same campus, access to various scientific instruments and lab facilities facilitates interdisciplinary studies and research
- With a large student population in the campus, various student related studies are possible
- Being the only Dental college in the zone, there is an opportunity to see variety of cases and thus learn better

### Challenges

- Growing number of dental colleges in the state lead to less number of applications opting for Dentistry as compared to a decade ago.
- This also demands the need for modernization in line with the colleges in the city.
- Recruiting teaching faculty is difficult in rural areas
- Many students from the villages find it difficult with the language necessitating special classes for English.

## 52. Future plans of the department.

- Improve the infrastructure of the department - new building construction has been started.
- Improve the research facility of the department
- Make the institution students friendly.

