



## **Annamalai University**

### **GUIDELINES FOR MASSIVE OPEN ONLINE COURSES(MOOCs)**

**2020-21**

#### **Massive Open Online Courses (MOOCs)**

It is an innovative initiative of Government of India under National Mission on Education to create synergies between the salient features of anytime-anywhere format of e-Learning and the traditional classroom-based chalk and talk method to develop a unique content delivery mechanism, which is responsive to learners' needs and ensures seamless transfer of knowledge across geographical boundaries through Information Communication Technology (NME-ICT) Programme.

The Ministry of Human Resource Development, Government of India has initiated SWAYAM (Study Web of Active Learning for Young and Aspiring Minds) for hosting MOOCs.

SWAYAM is a programme designed to achieve the three cardinal principles of Education Policy viz., access, equity and quality. The objective of this effort is to take the best teaching learning resources to all, including the most disadvantaged. SWAYAM seeks to bridge the digital divide for students who have hitherto remained untouched by the digital revolution and have not been able to join the mainstream of the knowledge economy.

SWAYAM provides an integrated platform and portal for online courses, using Information and Communication Technology (ICT). This platform facilitates hosting of all the courses, taught in classrooms from Class 9 till post-graduation to be accessed by anyone, anywhere at any time. All the courses are interactive, prepared by the best teachers in the country and are available, free of cost to any learner. More than 1,000 specially chosen faculty and teachers from across the country have participated in preparing these courses.

The courses hosted on SWAYAM are in 4 quadrants – (1) video lecture, (2) specially prepared reading material that can be downloaded/printed (3) self-assessment tests through tests and quizzes and (4) an online discussion forum for clearing the doubts. Steps have been taken to enrich the learning experience by using audio-video and multi-media and state of the art pedagogy / technology.

In order to ensure that best quality content is produced and delivered, nine National Coordinators have been appointed. They are:

**AICTE** (All India Council for Technical Education) for self-paced and international courses.

**NPTEL** (National Programme on Technology Enhanced Learning) for Engineering.

**UGC** (University Grants Commission) for non technical post-graduation education.

**CEC** (Consortium for Educational Communication) for under-graduate education.

**NCERT** (National Council of Educational Research and Training) for school education.

**NIOS** (National Institute of Open Schooling) for school education.

**IGNOU** (Indira Gandhi National Open University) for out-of-school students.

**IIMB** (Indian Institute of Management, Bangalore) for management studies.

**NITTTR** (National Institute of Technical Teachers Training and Research) for Teacher Training programme.

Courses delivered through SWAYAM are available free of cost to the learners, however learners wanting a SWAYAM certificate should register for the final proctored exams that come at a fee and attend in-person at designated centres on specified dates. Eligibility for the certificate will be announced on the course page and learners will get certificates only if this

criterion is matched. Universities/colleges approving credit transfer for these courses can use the marks/certificate obtained in these courses for the same.

### **Objectives**

- ❖ Anyone, anywhere, anytime learning
- ❖ Learning at no cost
- ❖ Equity in access to quality education
- ❖ Lifelong learning instead of Learn, Earn and Retire

### **SWAYAM–Salient Features**

1. One-stop web and mobile based interactive e-content for all courses from High School to University level.
2. High quality learning experience using multimedia on anytime, anywhere basis.
3. State of the art system that allows easy access, monitoring and certification.
4. Peer group interaction and discussion forum to clarify doubts
5. Hybrid model of delivery that adds to the quality of classroom teaching.

### **‘MOOCs’ Structure**

Massive Open Online Courses (MOOCs) are such online courses which are developed with the four Quadrant approach e-learning system that has the following components:

**Quadrant-I is e-Tutorial:** which shall contain: Video and Audio Content in an organised form, Animation, Simulations, video demonstrations, Virtual Labs, etc.

**Quadrant-II is e-Content:** which shall contain: PDF, Text, e-Books, illustrations, video demonstrations, documents and Interactive simulations wherever required.

**Quadrant-III is Web Resources:** which shall contain: Related Links, Wikipedia Development of Course, Open source Content on Internet, Case Studies, books including e-books, research papers & journals,

Anecdotal information, Historical development of the subject, Articles, etc.

**Quadrant-IV is Self-Assessment:** which shall contain: Problems and Solutions, which could be in the form of Multiple Choice Questions, Fill in the blanks, Matching Questions, Short Answer Questions, Long Answer Questions, Quizzes, Assignments and solutions, Discussion forum topics and setting up the FAQs, Clarifications on general misconceptions.

### **Uses of SWAYAM-MOOCs**

- ❖ Changing role of Teacher –Facilitator
- ❖ SWAYAM courses as substitute for some Regular classroom courses
- ❖ Use SWAYAM courses for extra credits
- ❖ Use SWAYAM courses in Blended mode
- ❖ The faculty could blend the SWAYAM course with the classroom course
- ❖ Courses on SWAYAM are permitted for credit transfer

### **University Guide lines on MOOCs**

UGC and AICTE have issued Regulations, 2016 (Credit Framework for Online Learning Courses through SWAYAM), to allow credit transfer up to 20% on the basis of MOOCs on SWAYAM.

In compliance to the directives of MHRD and UGC, the Syndicate of Annamalai University, on the recommendation of Academic Council, has approved on 28.12.2017, the incorporation of MOOCs offered by the SWAYAM portal up to 20% of total credits for all the programmes. In addition, a resolution for exemption from an elective subject in the regular curriculum if a student earns credits through MOOCs, has been approved by the Syndicate on 10.5.2019.

The departmental SWAYAM Mentors shall have the responsibility for spreading the awareness of SWAYAM portal and the different courses available, free for enrolment, to every student in the department. Students shall be encouraged to take up MOOC of their choice to equip themselves with recent knowledge and skills.

Every Mentor shall identify interested students and assist them to enroll for a MOOC course before the due date. The Mentors shall disseminate the information that every student opting for a course available on SWAYAM platform will have to pay a nominal fee to SWAYAM towards registering for the course to obtain a certificate for successful completion of the course and to earn credits. Course Coordinators/facilitators may be assigned by the Heads of Department to guide the students throughout a selected course and to facilitate practical sessions and examinations.

A student who earns 3 or more credits in a MOOC course through SWAYAM portal shall be exempted from an Elective Course of his/her programme in a subsequent semester.

A student shall also be permitted to undergo one/two credit MOOC courses through SWAYAM portal and the credits earned shall be over and above the total credit requirements prescribed in the Curriculum for the award of the Degree.

However, for getting waiver of an elective course, the MOOC course chosen by a student should not have similar or overlapping contents vis-a-vis the courses offered by the respective BoS.

The Evaluation of the students registered for a MOOC course shall be by the Host Institution and the Principal Investigator offering a MOOC course as per the parameters laid down by the UGC/AICTE (Credit Framework for Online Learning Courses through SWAYAM) Regulation, 2016.

Students seeking credit transfer should submit the details (**ANNEXURE – V**), through proper channel, regarding online courses taken up by them along with the Certificate issued by the host institution to the Controller of Examinations and Directorate of Academic Affairs one month before the commencement of End Semester Examination. The Controller of Examination, while awarding credit to the courses successfully completed by the students under SWAYAM portal, shall adopt the following conversion. This shall be followed in all Faculties.

SWAYAM / NPTEL Score (%)	Annamalai University Matching Grade
>=80	S (90-99%)
70-79	A (80-89%)
60-69	B (70-79%)
40-59	C (60-69%)

The List of students who have registered for MOOCs in each department (**ANNEXURE-VI**) has to be sent through the Departmental SWAYAM mentor and the Head of the Department to University SWAYAM Coordinator (USC), for consolidation and submission to the authorities of Annamalai University as well as to UGC.

Further, a consolidated list of Number of Courses opted for credit transfer, Number of Students enrolled and Number of students registered in each course (**ANNEXURE-VII**) is also to be sent to the USC for onward communication to UGC.

### **Some Useful Links:**

<https://swayam.gov.in/>

[https://swayam.gov.in/nc\\_details/AICTE](https://swayam.gov.in/nc_details/AICTE)

[https://swayam.gov.in/nc\\_details/NPTEL](https://swayam.gov.in/nc_details/NPTEL)

[https://swayam.gov.in/nc\\_details/UGC](https://swayam.gov.in/nc_details/UGC)

[https://swayam.gov.in/nc\\_details/CEC](https://swayam.gov.in/nc_details/CEC)

[https://swayam.gov.in/nc\\_details/NCERT](https://swayam.gov.in/nc_details/NCERT)

[https://swayam.gov.in/nc\\_details/NIOS](https://swayam.gov.in/nc_details/NIOS)

[https://swayam.gov.in/nc\\_details/IGNOU](https://swayam.gov.in/nc_details/IGNOU)

[https://swayam.gov.in/nc\\_details/IIMB](https://swayam.gov.in/nc_details/IIMB)

[https://swayam.gov.in/nc\\_details/NITTR](https://swayam.gov.in/nc_details/NITTR)

<http://ugcmoocs.inflibnet.ac.in/ugcmoocs/>