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Vice-Chairman

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Sub: AICTE outcome based Education Engineering books- e-Kumbh portal reg.

Sir/Madam,

Greeting from AICTE New Delhi.

In alignment with the National Education Policy (NEP) 2020, the All India Council for Technical Education (AICTE) has initiated technical book writing scheme in the year 2021-22 to provide the study material in Indian Languages. AICTE started original book writing in English for the first year and then its translation in 12 Indian languages, post original writing, as per AICTE's model curriculum and Outcome-based education model. These books have the potential to be utilized in IITs / CFTIs / NITs/ IIITs/AICTE-approved institutes. This is in sync with NEP-2020 and the vision of the Ministry of Education, where the emphasis is to impart education in the Indian language for an improved understanding and improved teaching-learning outcome.

The salient features of these books are as follows:

a) Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.

b) In start of each unit learning outcomes are listed to make the student understand what is expected out of him/her after completing that unit.

c) Book provides lots of recent information, interesting facts, QR Code for E-resources, QR Code for use of ICT, projects, group discussion etc.

d) Student and teacher centric subject materials included in book with balanced and   chronological manner.

e) Figures, tables, and software screen shots are inserted to improve clarity of the topics.

f) Apart from essential information a 'Know More' section is also provided in each unit to extend the learning beyond syllabus.

g) Short questions, objective questions and long answer exercises are given for practice of students after every chapter.

h) Solved and unsolved problems including numerical examples are solved with systematic steps.

For the 2nd year AICTE has initiated the technical book writing of 88 courses, 42 Degree and 46 Diploma level. Most of the authors of the 2nd year books are from IIT, NIT etc. The following 2nd year books are freely available for download from AICTE e-Kumbh portal. (https://ekumbh.aicte-india.org)

S. No.	Name of books	Author name
1.	Advanced Surveying-Theory and Practice	Dr. Ramakant Agrawal, Professor, Oriental Institute of Science and Technology, Madhya Pradesh
2.	Data Structures (Theory & Practical's)	Dr. NB Venkateswarlu, Professor, Gayatri Vidya Prashad Engineering College for Women, Visakhapatnam, Andhra Pradesh
3.	Digital Electronics	Dr. Menka Yadav, Assistant Professor, Malviya National Institute of Technology (MNIT), Jaipur, Rajasthan
4.	Electrical Circuit Analysis & Network Theory	Shri Shouri Chatterjee, Professor, Indian Institute of Technology (IIT), Delhi
5.	Energy Science & Engineering	Prof. M. Rizwan, Professor, Delhi Technical University (DTU), Delhi
6.	Fluid Mechanics & Fluid Machines	Dr. Rajeshwer Prasad Saini, Professor, Indian Institute of Technology (IIT), Roorkee, Uttarakhand
7.	Information Technology Workshop in MATLAB	Dr. Hari Prabhat Gupta, Assistant Professor, Indian Institute of Technology IIT, (BHU) Varanasi
8.	Python Programming	Dr. Rupesh Nasre., Associate Professor, Indian Institute of Technology (IIT), Madras, Tamil Nadu
9.	Surveying and Geomatics	Prof. P K Garg, Professor, Indian Institute of Technology (IIT), Roorkee, Uttarakhand

In due courses of time the rest of books of different courses of 2nd year in English as well as 12 Indian languages (Hindi, Odia, Tamil, Telugu, Kannada, Punjabi, Bengali, Marathi, Gujarati, Malayalam, Urdu & Assamese) will be uploaded in the e-Kumbh portal.

We request support of the Vice Chancellors, Directors, Principals & faculty in the dissemination of the above information among the students please.

(M P Poonia)