

**ONLINE COURSES | 30 hours****01 Engineering Thermodynamics**

Prof. D. P. Mishra
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IIT Kanpur

02 Introduction to Time-Frequency Analysis & Wavelet Transforms

Prof. Arun K. Tangirala
Chemical Engineering
IIT Madras

03 Modern Construction materials

Prof. Ravindra Gettu
Civil Engineering
IIT Madras

04 Structural Dynamics

Prof. Ramacharala Pradeep Kumar
Civil Engineering
IIITH

05 Concrete Technology

Prof. B. Bhattacharjee
Civil Engineering
IIT Delhi

06 Artificial Intelligence: Search Methods for Problem Solving

Prof. Deepak Khemani
Computer Science
IIT Madras

07 Reinforcement Learning

Prof. Balaraman Ravindran
Computer Science
IIT Madras

08 Mobile Computing

Prof. Pushpendra Singh
Computer Science
IIITD

09 VLSI Design Verification and test

Prof. Santhosh Biswas, Prof. Jatindra Kumar Deka, Prof. Arnab Sarkar
Computer Science and Engineering
IIT Guwahati

10 Optical communications

Prof. Pradeep Kumar K
Electrical Engineering
IIT Kanpur

11 Digital Image Processing

Prof. Prabir Kumar Biswas
Electrical Engineering
IIT Kharagpur

12 American Literature & Culture

Prof. Aysha Iqbal Viswamohan
Humanities and Social Science
IIT Madras

19 Applied Linguistics

Prof. Rajesh Kumar
Humanities and Social Sciences
IIT Madras

13 Computational Electromagnetics & Applications

Prof. Krish Sankaran
Electrical Engineering
IIT Bombay

14 Manufacturing System Technology Part 1 & 2

Prof. Shantanu Bhattacharya
Mechanical Engineering
IIT Kanpur

15 Physics of Materials

Prof. Prathap Haridoss
Metallurgical Engineering and
Materials Sciences
IIT Madras

16 Phase field modelling: the materials science, mathematics and computational aspects

Prof. M. P. Gururajan
Metallurgical Engineering and
Materials Sciences
IIT Bombay

17 Engineering Mechanics

Prof. Manoj Harbola
Physics
IIT Kanpur

18 Fundamentals of Optical Fiber Technology

Prof. Sunil Khijwania
Physics/electrical/electronics
IIT Guwahati