

The following video lectures and web courses of NPTEL are available in Mechanical Engineering Department Library. Students can utilise the same.

NPTEL WEB COURSES:

Sl No	Course Name	Name of the Professor
1.	Design For Manufacturing	Prof. A. De
2.	Tribology	Dr. Harish Hirani
3.	Advanced Engineering Thermodynamics	Prof. P. Mahanta
4.	Computational Fluid Dynamics and Heat Transfer	Prof. Gautam Biswas
5.	Engine Combustion	Prof. B.P. Pundir
6.	Optical Measurement Techniques in Thermal Sciences	Prof. K. Muralidhar, Prof. P.K. Panigrahi
7.	Principles of Vibration Control	Prof. Bishakh Bhattacharya
8.	Structural Health Monitoring of Composites	Prof. Anand Kumar ,Prof. Bishakh Bhattacharya
9.	Mechanics of Laminated composite structure	Prof. Nachiketa Tiwari
10.	Introduction to Composites	Prof. Nachiketa Tiwari
11.	Vibration of Structures	Prof. A. Dasgupta
12.	Computational Fluid Dynamics	Dr. K.M. Singh
13.	Computational Heat Transfer and Fluid Flow	Prof. Pradip Dutta
14.	Robotics: Advanced Concepts and Analysis	Prof. Ashitava Ghosal
15.	Basic Thermodynamics	Prof. K. Srinivasan, Prof. Pradip Dutta
16.	Heat and Mass Transfer	Prof. Pradip Dutta
17.	Materials Science	Prof. Satish V Kailas

NPTEL VIDEOS:

Sl No	Course Name	Name of the Professor
1.	Convective Heat and Mass Transfer	Prof. A.W. Date
2.	Cryogenic Engineering	Prof. M.D. Atrey
3.	Tribology	Dr. Harish Hirani
4.	Biomicroelectromechanical systems	Dr. Shantanu Bhattacharya
5.	Computational Fluid Dynamics	Prof. S. Chakraborty
6.	Vibration of Structures	Prof. A. Dasgupta
7.	Design and Optimization of Energy systems	Prof. C. Balaji
8.	Engineering Fracture Mechanics	Prof. K. Ramesh
9.	Experimental Stress Analysis	Prof. K. Ramesh
10.	Rocket Propulsion	Prof. K. Ramamurthi
11.	Conduction And Radiation	Prof. C. Balaji
12.	Advanced Strength of Materials	Prof. S.K. Maiti
13.	Heat and Mass Transfer	Prof. U.N. Gaitonde, Prof. S.P. Sukhatme
14.	Robotics	Prof. C. Amarnath, Prof. B. Seth, Prof. K. Kurien Issac, Prof. P.S. Gandhi, Prof. P. Seshu
15.		
16.	Project and Production Management	Prof. Arun Kanda
17.	Computer Aided Design and Manufacturing	Prof. Anoop Chawla, Prof. P.V.

		Madhusudan Rao
18.	Engineering Mechanics	Dr. G. Saravana Kumar, Prof. U.S. Dixit
19.	Mechanical Vibrations	Prof. Rajiv Tiwari, Prof. S.K. Dwivedy
20.	Kinematics of Machines	Prof. Ashok K Mallik
21.	Dynamics of Machines	Prof. Amitabha Ghosh
22.	Finite Element Method	Prof. C.S. Upadhyay
23.	Design of Machine Elements I	Prof. S.K. Roychowdhury, Prof. B. Maiti, Prof. G. Chakraborty
24.	Manufacturing Processes II	Prof. A.K. Chattopadhyay, Prof. A.B. Chattopadhyay, Prof. S. Paul
25.	Refrigeration and Air Conditioning	Prof. R.C. Arora, Prof. M. Ramgopal
26.	Mechanical Measurements and Metrology	Prof. S.P. Venkateshan, Prof. Shunmugam M. S
27.	Advanced Operations Research	Prof. G. Srinivasan
28.	Strength of Materials	Dr. S.P. Harsha
29.	Industrial Engineering	Dr. D.K. Dwivedi, Dr. Inderdeep Singh, Prof. Pradeep Kumar, Prof. P.K. Jain
30.	Manufacturing Processes I	Dr. D.K. Dwivedi, Dr. Inderdeep Singh, Dr. D. Benny Karunakar
31.	Principles of Mechanical Measurements	Prof. R. Raman
32.	Introduction to Finite Element Method	Dr. R. Krishnakumar