

JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE, JAIPUR
DEPARTMENT OF MECHANICAL ENGINEERING

NPTEL Video Links

S. No.	Semester	Subject	Topic	Link	
1	1st	Engineering Drawing and Computer Graphics	basic introduction	https://nptel.ac.in/courses/112/105/112105294/	
2	3rd	Materials Science	Basics of Material Engineering	https://nptel.ac.in/courses/112/106/112106293/	
3		Mechanics of Solid	Solid mechanics	https://nptel.ac.in/courses/112/102/112102284/	
4		Manufacturing Process	Manufacturing Process	Metal forming technology	https://nptel.ac.in/courses/112/107/112107250/
5				Fundamentals of Manufacturing Process	https://nptel.ac.in/courses/112/107/112107219/
6				Manufacturing Process technology Part-I	https://nptel.ac.in/courses/112/104/112104195/
7				Manufacturing Process technology Part-II	https://nptel.ac.in/courses/112/104/112104204/
8				Mechanics of Machining	https://nptel.ac.in/courses/112/103/112103248/
9				Machining Science	https://nptel.ac.in/courses/112/104/112104290/
10				Automation in Manufacturing	https://nptel.ac.in/courses/112/103/112103293/
11				Advanced Manufacturing Process	https://nptel.ac.in/courses/112/107/112107078/
12				Rapid Manufacturing	https://nptel.ac.in/courses/112/104/112104265/
13				Thermodynamics	Thermodynamics
14		Concepts of Thermodynamics	https://nptel.ac.in/courses/112/105/112105266/		
15		Applied Thermodynamics	https://nptel.ac.in/courses/112/103/112103275/		
16		Laws of Thermodynamics	https://nptel.ac.in/courses/112/105/112105220/		
17		Engineering Mechanics	basic introduction	https://nptel.ac.in/courses/112/106/112106286/	
18	4th	I C Engine and Gas Turbine	IC Engine	https://nptel.ac.in/courses/112/103/112103262/	
19	5th	Fluid Mechanics	Introduction to fluid Mechanics	https://nptel.ac.in/courses/112/105/112105269/	
20			fluid Mechanics	https://nptel.ac.in/courses/112/104/112104118/	
21			experimental method in fluid mechanics	https://nptel.ac.in/courses/112/103/112103290/	
22			Advanced Fluid Mechanics	https://nptel.ac.in/courses/112/105/112105218/	
23		Welding Technology	Welding Technology	Fundamentals of welding science	https://nptel.ac.in/courses/112/103/112103263/
24				Weldability of metals	https://nptel.ac.in/courses/112/107/112107257/
25		Heat Transfer	Heat Transfer	Heat and Mass transfer	https://nptel.ac.in/courses/112/101/112101097/
26				Fundamentals of convective heat transfer	https://nptel.ac.in/courses/112/103/112103297/
27				Radiative heat transfer	https://nptel.ac.in/courses/112/107/112107256/
28				Conduction and convection heat transfer	https://nptel.ac.in/courses/112/105/112105271/
29			Industrial Engineering	Principle of Industrial Engineering	https://nptel.ac.in/courses/112/107/112107292/

30			Theory of Mechanism	https://nptel.ac.in/courses/112/106/112106270/
31		Theory of Machine	Kinematics of Mechanism and Machines	https://nptel.ac.in/courses/112/105/112105268/
32		Machine Design	Design of Machine Element-I	https://nptel.ac.in/courses/112/105/112105124/
33		computer Aided Design	computer Aided Design and Manufacturing	https://nptel.ac.in/courses/112/102/112102101/
34	6th	Mechanical Measurement	Principle of Mechanical Measurement	https://nptel.ac.in/courses/112/103/112103261/
35			Engineering Metrology	https://nptel.ac.in/courses/112/104/112104250/
36	7th	Power Generation	Power Plant	https://nptel.ac.in/courses/112/107/112107291/
37			Steam Power Engineering	https://nptel.ac.in/courses/112/103/112103277/
38		Finite Element Methods	Finite Element Method	https://nptel.ac.in/courses/112/103/112103295/
39		Robotics	Robotics and control	https://nptel.ac.in/courses/112/107/112107289/
40			Robotics	https://nptel.ac.in/courses/112/105/112105249/
41		Fundamentals of Combustion Propulsion	Aircraft Propulsion-1	https://nptel.ac.in/courses/112/106/112106290/
42			Aircraft Propulsion	https://nptel.ac.in/courses/112/103/112103281/
43		Computer Integrated Manufacturing	Computer Integrated Manufacturing	https://nptel.ac.in/courses/112/104/112104289/
44		Quality Control	Inspection and Quality Control in Manufacturing	https://nptel.ac.in/courses/112/107/112107259/
45		Operation Management	Operation Management	https://nptel.ac.in/courses/112/107/112107238/
46	Refrigeration and Air Conditioning	Refrigeration and Air Conditioning	https://nptel.ac.in/courses/112/107/112107208/	