

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

**Swayam Video Links**

S. No.	Semester	Subject	Topic	Link
1	1st	Engineering Drawing	Engineering Drawing and Computer Graphics	<a href="https://onlinecourses.nptel.ac.in/noc20_me79/preview">https://onlinecourses.nptel.ac.in/noc20_me79/preview</a>
2	3rd	Engineering Mechanics	Engineering Mechanics	<a href="https://onlinecourses.nptel.ac.in/noc20_me46/preview">https://onlinecourses.nptel.ac.in/noc20_me46/preview</a>
3			Continuum Mechanics	<a href="https://onlinecourses.nptel.ac.in/noc20_me74/preview">https://onlinecourses.nptel.ac.in/noc20_me74/preview</a>
4			Manufacturing Process	Fundamentals of Manufacturing Processes
5		Manufacturing System Technology I & II		<a href="https://onlinecourses.nptel.ac.in/noc20_me49/preview">https://onlinecourses.nptel.ac.in/noc20_me49/preview</a>
6		principle of metal forming		<a href="https://onlinecourses.nptel.ac.in/noc20_me72/preview">https://onlinecourses.nptel.ac.in/noc20_me72/preview</a>
7		Theory of Production Process		<a href="https://onlinecourses.nptel.ac.in/noc20_me73/preview">https://onlinecourses.nptel.ac.in/noc20_me73/preview</a>
8		Rapid Manufacturing		<a href="https://onlinecourses.nptel.ac.in/noc20_me50/preview">https://onlinecourses.nptel.ac.in/noc20_me50/preview</a>
9		Advanced Machining Process		<a href="https://onlinecourses.nptel.ac.in/noc20_me76/preview">https://onlinecourses.nptel.ac.in/noc20_me76/preview</a>
10		Advanced in Welding and Joining Technologies		<a href="https://onlinecourses.nptel.ac.in/noc20_me65/preview">https://onlinecourses.nptel.ac.in/noc20_me65/preview</a>
11		Automation in Manufacturing		<a href="https://onlinecourses.nptel.ac.in/noc20_me58/preview">https://onlinecourses.nptel.ac.in/noc20_me58/preview</a>
12		Material Science	Basics of Material Engineering	<a href="https://onlinecourses.nptel.ac.in/noc20_me78/preview">https://onlinecourses.nptel.ac.in/noc20_me78/preview</a>
13			Slection of Nano Materials	<a href="https://onlinecourses.nptel.ac.in/noc20_me83/preview">https://onlinecourses.nptel.ac.in/noc20_me83/preview</a>
14			Introduction to Composite	<a href="https://onlinecourses.nptel.ac.in/noc20_me95/preview">https://onlinecourses.nptel.ac.in/noc20_me95/preview</a>
15		Thermodynamics	Concepts of Thermodynamics	<a href="https://onlinecourses.nptel.ac.in/noc20_me51/preview">https://onlinecourses.nptel.ac.in/noc20_me51/preview</a>
16	Mechanics of solid	Mechanics of Solid	<a href="https://www.youtube.com/watch?v=K-7cwcrrwj4">https://www.youtube.com/watch?v=K-7cwcrrwj4</a>	
17		Solid Mechanics	<a href="https://onlinecourses.nptel.ac.in/noc20_me84/preview">https://onlinecourses.nptel.ac.in/noc20_me84/preview</a>	
18	5th	Engineering Metrology	Engineering Metrology	<a href="https://onlinecourses.nptel.ac.in/noc20_me94/preview">https://onlinecourses.nptel.ac.in/noc20_me94/preview</a>
19		Heat Transfer	Fundamentals of Conduction and Radiation	<a href="https://onlinecourses.nptel.ac.in/noc20_me85/preview">https://onlinecourses.nptel.ac.in/noc20_me85/preview</a>
20			Heat Exchanger	<a href="https://onlinecourses.nptel.ac.in/noc20_me52/preview">https://onlinecourses.nptel.ac.in/noc20_me52/preview</a>
21		Mechanical Measurement	Mechanical Measurement System	<a href="https://onlinecourses.nptel.ac.in/noc20_me57/preview">https://onlinecourses.nptel.ac.in/noc20_me57/preview</a>
22		Fluid Mechanics	Principle of Hydraulic Machines	<a href="https://onlinecourses.nptel.ac.in/noc20_me77/preview">https://onlinecourses.nptel.ac.in/noc20_me77/preview</a>
23			Fluid Machines	<a href="https://onlinecourses.nptel.ac.in/noc20_me55/preview">https://onlinecourses.nptel.ac.in/noc20_me55/preview</a>
24			Advanced Fluid Mechanics	<a href="https://onlinecourses.nptel.ac.in/noc20_me54/preview">https://onlinecourses.nptel.ac.in/noc20_me54/preview</a>
25			Fluid Dynamics and Turbomachines	<a href="https://onlinecourses.nptel.ac.in/noc20_me75/preview">https://onlinecourses.nptel.ac.in/noc20_me75/preview</a>
26	6th	Vibration	Introduction to Mechanical Vibration	<a href="https://onlinecourses.nptel.ac.in/noc20_me66/preview">https://onlinecourses.nptel.ac.in/noc20_me66/preview</a>
27			Principle of Vibration Control	<a href="https://onlinecourses.nptel.ac.in/noc20_me48/preview">https://onlinecourses.nptel.ac.in/noc20_me48/preview</a>
28	7th	Air Craft Propulsion	Air Craft Propulsion	<a href="https://onlinecourses.nptel.ac.in/noc20_me90/preview">https://onlinecourses.nptel.ac.in/noc20_me90/preview</a>
29		Finite Element Methods	Basics of Finite Element Analysis	<a href="https://onlinecourses.nptel.ac.in/noc20_me91/preview">https://onlinecourses.nptel.ac.in/noc20_me91/preview</a>
30			Fundamentals of convective Heat Transfer	<a href="https://onlinecourses.nptel.ac.in/noc20_me81/preview">https://onlinecourses.nptel.ac.in/noc20_me81/preview</a>
31		Product Design and Development	Product Design and Development	<a href="https://onlinecourses.nptel.ac.in/noc20_me69/preview">https://onlinecourses.nptel.ac.in/noc20_me69/preview</a>
32		Refrigeration and Air Conditioning	Refrigeration and Air Conditioning	<a href="https://onlinecourses.nptel.ac.in/noc20_me71/preview">https://onlinecourses.nptel.ac.in/noc20_me71/preview</a>
33		Robotics	Robotics Engineering	<a href="https://onlinecourses.nptel.ac.in/noc20_me56/preview">https://onlinecourses.nptel.ac.in/noc20_me56/preview</a>
34		Power Generation	Steam Power Engineering	<a href="https://onlinecourses.nptel.ac.in/noc20_me87/preview">https://onlinecourses.nptel.ac.in/noc20_me87/preview</a>