



COLLEGE OF ENGINEERING & TECHNOLOGY

CIVIL ENGINEERING DEPARTMENT

B.E. 3<sup>rd</sup> SEMESTER

SUBJECT: MECHANICS OF SOLIDS

SUBJECT CODE: 3130608

Sr. No.	Topic	Link	By
1	INTRODUCTION	<ol style="list-style-type: none"><li><a href="https://www.youtube.com/watch?v=GkFgysZC4Vc&amp;list=PL27C4A6AEA552F9E6">https://www.youtube.com/watch?v=GkFgysZC4Vc&amp;list=PL27C4A6AEA552F9E6</a></li><li><a href="https://www.youtube.com/watch?v=6u_rjLjv-MY">https://www.youtube.com/watch?v=6u_rjLjv-MY</a></li><li><a href="https://www.youtube.com/watch?v=Fudcc0JoXdo&amp;list=PLyqSpQzTE6M_MEUdn1izTMB2yZgP1NLfs&amp;index=5">https://www.youtube.com/watch?v=Fudcc0JoXdo&amp;list=PLyqSpQzTE6M_MEUdn1izTMB2yZgP1NLfs&amp;index=5</a></li></ol>	NPTEL/YOUTUBE
2	FUNDAMENTALS OF STATICS	<ol style="list-style-type: none"><li><a href="https://www.youtube.com/watch?v=6u_rjLjv-MY&amp;t=1601s">https://www.youtube.com/watch?v=6u_rjLjv-MY&amp;t=1601s</a></li></ol>	NPTEL/YOUTUBE
3	APPLICATIONS OF FUNDAMENTALS OF STATICS	<ol style="list-style-type: none"><li><a href="https://www.youtube.com/watch?v=z95UW4wwzSc&amp;list=PLyqSpQzTE6M_MEUdn1izTMB2yZgP1NLfs&amp;index=11">https://www.youtube.com/watch?v=z95UW4wwzSc&amp;list=PLyqSpQzTE6M_MEUdn1izTMB2yZgP1NLfs&amp;index=11</a></li><li><a href="https://www.youtube.com/watch?v=74pm8A0RJ-0&amp;list=PLyqSpQzTE6M_MEUdn1izTMB2yZgP1NLfs&amp;index=12">https://www.youtube.com/watch?v=74pm8A0RJ-0&amp;list=PLyqSpQzTE6M_MEUdn1izTMB2yZgP1NLfs&amp;index=12</a></li><li><a href="https://www.youtube.com/watch?v=pN8zj44_DoY&amp;list=PL0bRAs68fCS310qm-k2ccRa6fZTc0kxCR&amp;index=46">https://www.youtube.com/watch?v=pN8zj44_DoY&amp;list=PL0bRAs68fCS310qm-k2ccRa6fZTc0kxCR&amp;index=46</a></li></ol>	NPTEL/YOUTUBE
4	FRICITION	<ol style="list-style-type: none"><li><a href="https://www.youtube.com/watch?v=VQRcChR9IkU">https://www.youtube.com/watch?v=VQRcChR9IkU</a></li><li><a href="https://www.youtube.com/watch?v=jpvt1D4jG9w">https://www.youtube.com/watch?v=jpvt1D4jG9w</a></li></ol>	YOU TUBE

5	CENTROID AND MOMENT OF INERTIA	<ol style="list-style-type: none"> <li>1. <a href="https://www.youtube.com/watch?v=MX43g-DD8pU&amp;list=PLq7jO-L_k0yUk2tfPwhea9asGRBXcUEpL&amp;index=31">https://www.youtube.com/watch?v=MX43g-DD8pU&amp;list=PLq7jO-L_k0yUk2tfPwhea9asGRBXcUEpL&amp;index=31</a></li> <li>2. <a href="https://www.youtube.com/watch?v=scUjhTcwFP0&amp;list=PLq7jO-L_k0yUk2tfPwhea9asGRBXcUEpL&amp;index=33">https://www.youtube.com/watch?v=scUjhTcwFP0&amp;list=PLq7jO-L_k0yUk2tfPwhea9asGRBXcUEpL&amp;index=33</a></li> </ol>	NPTEL/YOU TUBE
6	SIMPLE STRESSES & STRAINS	<ol style="list-style-type: none"> <li>1. <a href="https://www.youtube.com/watch?v=dwqrOqo2sHA">https://www.youtube.com/watch?v=dwqrOqo2sHA</a></li> <li>2. <a href="https://www.youtube.com/watch?v=iJTHPgYAqvQ">https://www.youtube.com/watch?v=iJTHPgYAqvQ</a></li> </ol>	YOU TUBE
7	STRESSES IN BEAMS	<ol style="list-style-type: none"> <li>1. <a href="https://www.youtube.com/watch?v=ITuWnr13aKI">https://www.youtube.com/watch?v=ITuWnr13aKI</a></li> <li>2. <a href="https://www.youtube.com/watch?v=asBW0Ojc0bY">https://www.youtube.com/watch?v=asBW0Ojc0bY</a></li> </ol>	YOU TUBE
8	TORSION	<ol style="list-style-type: none"> <li>1. <a href="https://www.youtube.com/watch?v=IQB0bJRCRxo">https://www.youtube.com/watch?v=IQB0bJRCRxo</a></li> <li>2. <a href="https://www.youtube.com/watch?v=ICDZ5uLGrI4">https://www.youtube.com/watch?v=ICDZ5uLGrI4</a></li> </ol>	NPTEL/YOU TUBE
9	PRINCIPLE STRESSES	<ol style="list-style-type: none"> <li>1. <a href="https://www.youtube.com/watch?v=cb19HuB5F7c&amp;list=PL0bRAs68fCS310qm-k2ccRa6fZTc0kxCR&amp;index=20">https://www.youtube.com/watch?v=cb19HuB5F7c&amp;list=PL0bRAs68fCS310qm-k2ccRa6fZTc0kxCR&amp;index=20</a></li> <li>2. <a href="https://www.youtube.com/watch?v=TQXrGi2blfE&amp;list=PL0bRAs68fCS310qm-k2ccRa6fZTc0kxCR&amp;index=23">https://www.youtube.com/watch?v=TQXrGi2blfE&amp;list=PL0bRAs68fCS310qm-k2ccRa6fZTc0kxCR&amp;index=23</a></li> </ol>	NPTEL/YOU TUBE