



COLLEGE OF ENGINEERING & TECHNOLOGY

**CIVIL ENGINEERING DEPARTMENT**

**B.E. 4<sup>th</sup> SEMESTER**

**SUBJECT: STRUCTURAL ANALYSIS-I**

**SUBJECT CODE: 3140603**

Sr.No.	Topic	Link	By
1	Fundamentals of Statically Determinate Structures	<a href="https://nptel.ac.in/courses/105/105/105105166/">https://nptel.ac.in/courses/105/105/105105166/</a>	NPTEL
2	Displacement of Determinate Beams and Plane Truss	<a href="https://nptel.ac.in/courses/105/105/105105166/">https://nptel.ac.in/courses/105/105/105105166/</a>	NPTEL
3	Direct and Bending stresses	<a href="https://nptel.ac.in/courses/105/105/105105166/">https://nptel.ac.in/courses/105/105/105105166/</a>	NPTEL
4	Columns and Struts	<a href="https://www.youtube.com/watch?v=F692spiIyHU&amp;list=PLusCvIUPR-vNfhU5arVMq-db6Frn1iJoZ">https://www.youtube.com/watch?v=F692spiIyHU&amp;list=PLusCvIUPR-vNfhU5arVMq-db6Frn1iJoZ</a>	YOUTUBE
5	Arches, Cables and Suspension Bridges	<a href="https://www.youtube.com/watch?v=anSSmmBPjm4">https://www.youtube.com/watch?v=anSSmmBPjm4</a>	YOUTUBE
6	Thin cylinder	<a href="https://www.youtube.com/watch?v=tXPks3VXUPY">https://www.youtube.com/watch?v=tXPks3VXUPY</a>	YOUTUBE
7	Fixed Beams & Consistent Deformation Method	<a href="https://www.youtube.com/watch?v=-dhVofRCoPM">https://www.youtube.com/watch?v=-dhVofRCoPM</a>	YOUTUBE
8	Strain Energy	<a href="https://www.youtube.com/watch?v=WB_FR_1_LU">https://www.youtube.com/watch?v=WB_FR_1_LU</a>	YOUTUBE