


## Staad-Pro Syllabus

<b>Total Duration : 90 Hours</b>	
<b>Day</b>	<b>Topics</b>
1	<ul style="list-style-type: none"><li>• Overview of Structural Analysis and Design</li><li>• Calculating Shear Force and Bending Moment values for various supports and load types</li><li>• Introduction o STAAD.Pro V8i o STAAD Editor</li></ul>
2	<p><b>Co-ordinate Systems o Global Vs Local</b></p> <ul style="list-style-type: none"><li>• Creating a New Project in STAAD.Pro</li><li>• Units</li><li>• Model Generation o Creating Nodes &amp; Members</li><li>• Select Menu</li></ul>
3	<p><b>Model Editing Tool-</b> Translational Repeat Move, Mirror, Rotate <b>Insert Node</b> For a Single Member <input type="checkbox"/> For Multiple Members o <b>Add Beam</b> <input type="checkbox"/> Point to Point <input type="checkbox"/> Between Midpoints <input type="checkbox"/> Perpendicular Intersection <input type="checkbox"/> Curved Member</p>
4	<p>Model Editing Tools o Connect Beams Along o Stretch Selected Members o Intersect Selected Members o Merge Selected Members o Renumber o Split Beam o Break Beams at Selected Nodes</p>
5	Creating Models by using Structure Wizard - Mini Project
6	Support Specification Member Property Specification Member Offset Material Specification Group Specification

  
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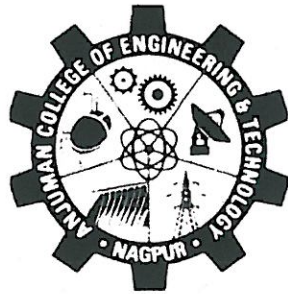
  
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	Loading ○ Creating a Primary Load ○ Adding Selfweight
7	<b>Loading- Nodal</b> <b>Loading-Member</b>  <b>Load</b> <input type="checkbox"/> Uniform Force and Moment <input type="checkbox"/> Concentrated Force and Moment <input type="checkbox"/> Linear Varying Load <input type="checkbox"/> Trapezoidal Load <input type="checkbox"/> Hydrostatic Load <input type="checkbox"/> Pre/Post Stress ○ Area Load ○ Floor Load
8	Mini Project 2
9	Loading ○ Wind Load ○ Creating Load Combination ○ Automatic Load Combination ○ Edit Auto Load Rules ○ Moving Load ○ Reference Load ○ Repeat Load
10	Mini Project -3
11	Introduction to Analysis ○ Perform Analysis ○ Overview of Output Page ○ Pre-analysis Print ○ Post-analysis Print Inactive or Delete Specification General Guidelines for Design Concrete Design in STAAD.Pro ○ Column Design ○ Beam Design
12	RC Designer ○ Beam Design ○ Column Design Project 1
13	Seismology ○ Introduction ○ Terminologies ○ Standards for Earthquake Design ○ General Principals for Earthquake Design ○ Finding the Lateral Force (manual calculation) ○ Finding the Lateral Force by using STAAD.Pro  Dynamic Analysis ○ Response Spectrum Analysis Mini Project 4
14	Seismology ○ Introduction ○ Terminologies ○ Standards for Earthquake Design ○ General Principals for Earthquake Design ○ Finding the Lateral Force (manual calculation) ○ Finding the Lateral Force by using STAAD.Pro Dynamic Analysis ○ Response Spectrum Analysis Mini Project 4
15	Foundation Design ○ Isolated Footing ○ Combined / Strip Footing ○ Foundation Design-Mat,Pile

  
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Certificate of Completion is awarded to

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FOR UNDERGOING TRAINING ON **STAAD PRO**  
BETWEEN 03/01/2018 TO 29/3/2018

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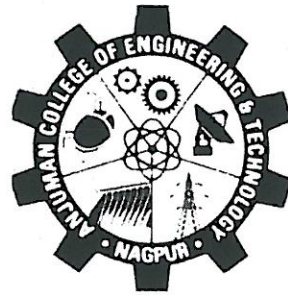
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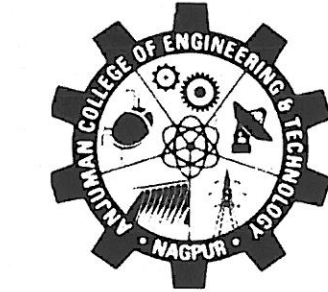
  
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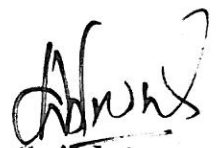
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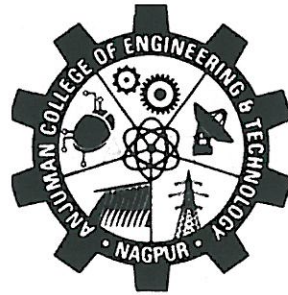
  
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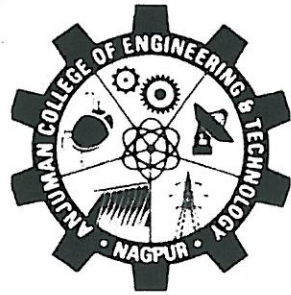
  
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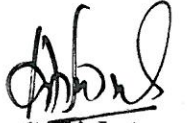

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