



	STAAD.Pro V8i	Total Duration : 60 Hours	
Day	To	Topics	
1	 Overview of Structural Analysis an Calculating Shear Force and Bendin load types Introduction STAAD.Pro V8i 	d Design ng Moment values for various supports and	
2	 Co-ordinate Systems Global Vs Local Creating a New Project in STAAD. Units Model Generation Creating Nodes & Members Select Menu 		
3	Model Editing Tools Translational Repeat Circular Repeat Move Mirror Rotate Insert Node For a Single Membe For Multiple Membe Add Beam Point to Point Between Midpoints Perpendicular Interse Curved Member	ers	
4,5	 Model Editing Tools Connect Beams Along Stretch Selected Members Intersect Selected Members Merge Selected Members Renumber Split Beam Break Beams at Selected No 	odes	



	 Creating Models by using Structure Wizard Mini Project 1
6,7	 Support Specification Member Property Specification Member Offset Material Specification Group Specification Loading Creating a Primary Load Adding Selfweight
8,9	 Loading Nodal Load Member Load Uniform Force and Moment Concentrated Force and Moment Linear Varying Load Trapezoidal Load Hydrostatic Load Pre/Post Stress Area Load Floor Load Mini Project 2
10,11	 Loading Wind Load Creating Load Combination Automatic Load Combination Edit Auto Load Rules Moving Load Reference Load Repeat Load Mini Project 3
12,13	 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



14	 RC Designer Beam Design Column Design Project 1
15,16,17	 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
18	 Introduction to FEM FEM Modelling in STAAD.Pro Snap Plate Add Plate Create Infill Plates Generate Surface Meshing Generate Plate Mesh Parametric Modelling
19,20	 Member Truss Creating FEM models by using Structure Wizard Adding Plate Thickness Plate Load Pressure on Full Plate Concentrated Load Partial Plate Pressure Load Trapezoidal Load Hydrostatic Load Element Joint Load
21,22	 Water Tank Design Slab Design One-way Slab Two-way Slab Mini Project 5
23	Staircase DesignShear wall Modelling and Design



	 Solid Modelling and Analysis Mini Project 6
24	• STAAD.Beava
25	 Cable Member Specification Tension / Compression Specification Table Member Property Steel Design in STAAD.Pro
26	 Interactive Steel Design Design of Overhead Transmission Line Towers Pushover Analysis Project 2
27	 Foundation Design Isolated Footing Combined / Strip Footing Tool Kit Isolated Footing Combined Footing
28	 Foundation Design Mat Foundation Pile Cap Design Mini Project 7
29,30	 Importing CAD Models Report Setup Plotting from STAAD Pro Final Project