
STAAD Pro. Syllabus

- Overview of Structural Analysis and Design
- Introduction to STAAD Pro. V8i
- Getting Familiar with STAAD Pro. Workspace
- Staad Editor
- GUI
- Structure Wizard
- Creating a New Project and Units
- Global Coordinate System Vs. Local Coordinate
- Beta Angle
- Introduction to File, Edit, View, Selection, Geometry, Commands, Analyze, Mode
- Introduction to SnapNode/Beam
- Insert Node and Add Beam
- Translational Repeat
- Circular Repeat
- Move
- Rotate
- Mirror
- Member Offset
- Connect Beam Along
- Intersect, Merge, Break, Splits, Renumber and Stretch selected members
- Introduction to Setup, Geometry, General, Analysis/Print and Design
- Assigning Properties
- Assigning Supports
- Group Specification
- Assigning Load
- Structure Analysis
- Material Specification
- Loading
 - Self weight
 - Nodal Load
 - Member Load
 - Area Load
 - Floor Load

- Wind Load
- Moving Load
- Reference Load

- Repeat Load
 - Plate Load
 - Seismic Load
 - Automatic Load Combination
 - Edit Auto Load Rule
- Introduction to Analysis
 - Perform Analysis
 - Overview of Output Page
 - Pre-analysis and Post-analysis Print
 - Inactive/Delete Specification
 - General Guideline for Design
 - Column and Beam Design
 - Reinforced Concrete Design
 - Dynamic Analysis
 - Response Spectrum Analysis
 - Cylinder and Reverse Cylinder Coordinate System
 - FEM Modeling in STAADPro.
 - Snap Plate
 - Create infill plates
 - General Plate Mesh
 - Parametric Modeling
 - Analysis of Framed Structure Including Slabs
 - Member Truss
 - Run Structure Wizard
 - Plate Thickness
 - Water Tank Design
 - One Way Slab Design
 - Two way Slab Design
 - Staircase Design
 - Shear Wall Design
 - Lift Room Modeling
 - Solid Modeling and design
 - Steel Design
 - Interactive Steel Design
 - STAAD Beava
 - Member cable Specification
 - Tension/Compression Specification
 - Table Member Property

- Design of Overhead Transmission Line Tower
- Bridge Deck Design using STAAD Beava
- Pushover Analysis
- Isolation Foundation
- Combined/Strip Foundation
- Tool Kit
- Mat Foundation
- Pile Cap Design
- Import AutoCAD Models
- Report Setup
- Plotting

Final Project

Total Time Duration = 50 Hours (2 Months)