

2 Days Workshop Course content On Staad.pro (Civil)

1 Day

- **Introduction to various Structural Analysis and Design Software**
- **Exploring Graphical User Interface of STAAD Pro.**
- **Commands to Generate different geometries, modeling issues and idealization**
- **Various Support specifications, Section definition and material constants**
- **Selection Commands**
- **Loadings**
- **Automatic Loading generation conforming to standards**

2 Day

- **Static Analysis Examples (Stick and Plate Models with different Loads)**
- **Dynamic Analysis Examples (Seismic Loading and Wind Loading)**
- **Understanding the STAAD Editor in detail and Semantics of the input file**
- **Open STAAD - The Application Programming Interface**
- **File import and Export Features**
- **Concrete Design Concepts, Features and Examples**

Course Objective:

- Structural Analysis capabilities of STAAD Pro.
- Preprocessing, analysis and post processing
- Working methodology of general finite element based analysis software
- Modeling issues, Idealization
- Types of Structural Analyses
- Types of static and dynamic loadings
- Reinforced Concrete and Steel Design