

## STAAD-PRO(Essential + Advance)

### Essential

- Classification of Structures
- Structure Geometry and Coordinate system
- How to generate Joints and Members
- How to assign Structural Boundary Conditions
- Grouping and Renumbering of Joint and Member Numbers
- How to Generate Loads and Load Combinations
- Linear Static Analysis
- Finite Element information
- How to Generate Elements and Element Mesh
- Report Generation
- Print Specifications
- R.C.C. Design as per IS456. (Beams, Column and Slabs)
- Steel Design as per IS800
- Interactive Design Methods
- Data exchange
- Project

### Advance

- One Way and Two Way Slab Design
- Seismic Analysis
- Dynamic Analysis
- Pushover Analysis