

STADD. PRO V8i

Duration: 80 hrs

INTRODUCTION. UNITS. ANALYSIS-

- Overview of structural Analysis & Design.
- Types of Structures.
- Calculation of various types of supports, Loads, draw the shear force diagrams and bending moment diagrams for various Beams.
- Introduction to STAAD Pro. V8i.
- STAAD Pro. V8i- Interface Diagram.
- Unit System.
- Structural Modeling- Different Types of Modeling.
- Global Support Specification.
- Member Property Specification.
- Member Material Specification.
- Member Offset Specification.
- Loading specification, Self-weight, Member Load specification & Joint Load Specification.
- Area Load Specification and Floor Load Specification.
- Wind Load and Earthquake Load Generator and Load Combination Specification.
- Analysis Specific and General Guidelines for Design- Concrete Design.
- Geometry, Translation report, Circular Report, Move, Mirror, Rotate, Run structure Wizard.
- Pre-Analysis Print, Post-Analysis of concrete design.
- Introduction to Steel Design.
- Member Truss Specification.
- Analysis & Design of Steel Structure.
- Member Tension & Compression Specification
- Member Release Specification.
- Introduction to FEM, Element Incidenees, Element Property Specification, Element Load Plate, Element

Load Joint and Element Design.

- Seismic Analysis- Introduction to Static Method, Introduction to Dynamic Analysis and Design.
- Slab Design (By Using FEM)
- How to Import AutoCAD File in STAAD Pro.
- Results- Output File, Post Processing Generation and Report Generation.
- Projects- Different Types of Project Used in Industry.
- Project -Analysis and Design of Project used in Industry