

Civil
Staad Pro



AIT

AIT a leading ITES Civil Engineering company in India.

We build strategic partnerships with clients & provide solutions to companies where ITES Civil Engineering is a critical part of their corporate design strategy. We also assist our customers in expanding their business through the Power of Information

Who Should Attend:

- Engineering Students / Working Professionals

Batch Time :

Morning	07.30 to 09.00	09.00 to 10.30
	10.30 to 12.00	12.00 to 01.30
Evening	03.00 to 04.30	04.30 to 06.00
	06.00 to 07.30	07.30 to 09.00

Weekend Batches : Saturday-Sunday

- Flexible Time Slots For Students / Working Professionals
- Week End Batches For Working Professionals

Other Advance Training Programs

- Certificate in Building Structure.
- SDS/2
- ANSYS

STAAD PRO

Civil

STAAD Pro is comprehensive structural engineering software that addresses all aspects of structural engineering –analysis, design, verification, and visualization. STAAD pro is a general purpose structural analysis and design program with applications primarily in the building industry - commercial buildings, bridges and highway structures, industrial structures, chemical plant structures, dams, retaining walls, turbine foundations, culverts and other embedded structures, etc.

Analysis for 2-D beams, frames and Trusses

Building geometry by using various elements
Generation of joint and members
Assigning structural boundary conditions
Defining member properties and sections
Member specifications for trusses
Load generation.
Analysis and Result interpretation-
force diagram, torsion and displacement diagram.

Design of 3-D RC and Steel structures

Classifications of structures
Structure geometry and Co-ordinate system
Grouping & renumbering of joints
Member properties.
Boundary conditions
Finite element information
Element and element mesh
Loads and load combinations
Assigning loads
Linear static analysis
Response spectrum analysis
Result interpretations and viewing output file
Interpretation of results for plate element
RC Design of beams, slab
Steel Design as per IS 800:2007
Interaction check as per IS800:2007
Print specifications & Report generations

**Project based on above for G+10 RC building,
Steel building, Underground & Overhead Water Tank**

