

Training of Analysis and Design Software in Civil Engineering (STAAD-PRO)

- Under This Training the following topics will be covered:-
- Introduction to STAAD-PRO software and its uses.
- How to use the commands in STAAD-PRO and the co-ordinates systems.
- How to apply supports, member property, specifications and loads on the different types of structure.
- Analysis of different types of structural member with different support condition by applying different load criteria.
- How to define loads and load combinations.
- Analysis of 2D & 3D portal frames with different support and loading criteria's.
- How to apply seismic forces on the structure.
- Importing cad drawing to the STAAD-PRO with unit conversions.
- Analysis & structural RCC design of residential and commercial building. (With and without seismic forces) as per LSM & WSM.
- Analysis & structural STEEL design of commercial and industrial structure. (With and without seismic forces) as per LSM & WSM.
- ❖ (Note:- Manual design as well as software design and its differences)
- After designing how to optimize the structure and also how to eliminate the errors.
- Checks on the structure as per the Indian Standard Codes.

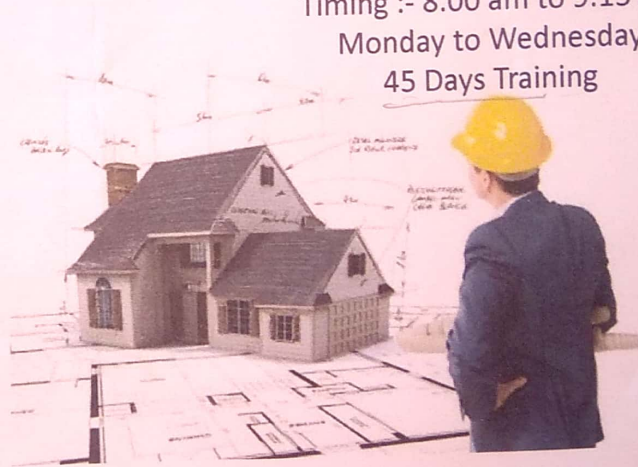


COURSE OUTCOMES

- In this course students who are interested in design field will be getting ready to enter in MNC.
- After the end of the course student will be capable of solving the entrance exams for multi-national structural design companies.
- In this course they will be achieving certification from our institution by writing exam at the end of the course which will help them write entrance exam in any design company easily.
- Also they will be getting knowledge how to give interview in multi-national companies and what will be probable question paper patterns in entrance exam of multi-national companies.

Note for students: To enter any design company one design software certification is must to enter in structural design field and also the basic knowledge of analysis and design part in civil industry.

Timing :- 8.00 am to 9.15 am
Monday to Wednesday
45 Days Training



2016-17