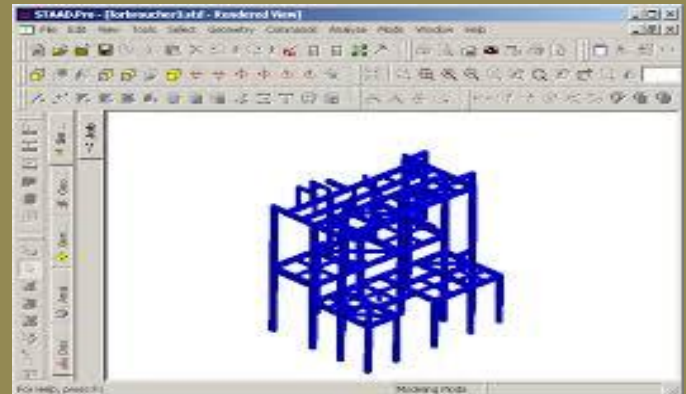# STADD PRO Workshop

(A two days Workshop on 3d structure Analysis and design using STAAD PRO.)

Workshop Highlights

- Receive an unparalleled education from **Go 4 Tech** team with personal one-on-one attention.
- Improve your job prospects and get an edge over your counterparts.
- Interactive Query sessions, Live Demos, PowerPoint Presentation.
- Exposure to multi disciplinary content.
- Opportunity for online examination and certification.
- Certificates issued to all participants.
- Career guidance by experienced faculty.
- Learn and interact with one of the respected authorities on Artificial Intelligence Robot.

Who should Attend ?

The workshop is a must for anyone

- College students seeking future in 3D Structure Analysis and Designing Applying for higher studies
- Education Faculty & Staff in 3D Structure Analysis and Designing.
- Interested in Making Own Project.

Benefit to Participant

- Develop very good understanding of Designing.
- Learn about Software themselves under the guidance of professionals.
- Can easily use this experience to develop good B.Tech/ M.Tech projects.
- Helps to face job interviews with confidence.
- Hands-on experience in addition to their classroom trainings will transform the students into better engineers

Open to students of all departments

www.go4tech.in
www.facebook.com/go4tech
E-Mail: support@go4tech.in

Workshop Detail

- 2 Day workshop – includes lectures, design sessions.
- Cost: Rs 1100 /- Per Participant
- Cost includes training material, software and instruction manual.

Workshop Content

This is a Workshop which is best suited to beginners who are taking their first step towards 3D Structure Analysis & Designing. In STAAD Pro we can analyze the structures in 2D and 3D, for the convenience of modeling and defining the structure for analysis, STAAD uses different templates for 2D and 3D structures.

Two Day workshop Schedule:

Workshop duration: 1/2 days

Workshop structure:

Day :1

- 3D Structure Analysis and Design Using STAAD PRO
- Introduction to general features in STAAD PRO.
- Introduction to Staad and its components.
- Introduction to Structural Analysis
- Role of Structural Analysis in Civil Engineering Projects
- Classification of Structures
- Analytical Models
- Analysis of Continuous Beams
- Analysis of Plane Truss
- Analysis of Portal Frame
- Modelling of 3D Portal Frame from 2D Portal Frame
- How to Merge Two Structures
- Modelling Technique Using Cut and Paste and User Tables
- Analysis of Grillage Structures
- Analysis of Plate Structures
- Analysis and Design of Reinforced Concrete Structures
- Simply Supported Beam with Full Lateral Restraint
- Simply Supported Beam with Lateral Restraint at Point Loads
- Simply Supported Beam without Intermediate Restraints
- Column with Pinned Ends and Intermediate Support

DAY : 2

- 3D Structure Analysis and Design Using STAAD PRO
- Super Structure Design – Covers both Steel and Concrete Members
- Assigning Code to Structure.
- Assigning Various Parameters to Structure.
- Slenderness and Unsupported Length Commands
- Assigning Commands to Structure.
- Performing Analysis after Design.
- Working with Editor Input file of Staad.
- Familiarity with Various Commands used in Staad Input File.
- Using Post Processing Command in the Structure
- Analyzing various Analysis Results at various members and Joints.
- Viewing Staad Output File – Design File of Structure

Testing and Trouble shooting

- Testing and troubleshooting once your design is ready.
- Various trouble shooting techniques.

Our Hands-on and Practical Workshops will supplement your Classroom trainings and transform students into better engineers

Feedback Of Participant

"Fun and enriching experience. Highly Interactive and Informative lectures. Hardworking and friendly team. Best part is that these people would never get fed up of students asking for the same thing again and again but would rather clear the doubts with patience which is a true proof of their dedication and love for their work. Thank u all for coming. Had an Amazing time. Cheers! :)" - **Shalini, Delhi Technology University, Delhi**

"It is really a matter of honour to organize an event as such at BITS Pilani, Goa. This develops innovative thinking and is the platform for creative approach" - **Gunakar Venkat Yadav , IIT-BHU, Banaras.**

"Best Workshop I had attended ever :) Even belonging to non-mechanical branch, I didn't feel that I was out of topic. Very good!!" - **Pooja Bhojwani, IIT-Bombay .**

"Its awesome to see things fly at economic prices. Workshop is so interesting." - **Karthik Reddy B, NIT-Patna.**

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Workshop Handouts

- **Go 4 Tech** Software tool kit CD Pack.
- **Go 4 Tech** Course ware
- "Certified of Participation" to each participant.