

2-Days

National Level workshop on

"3D Structure Analysis and Design Using STAAD PRO"

About Workshop:

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.

A workshop on "3D Structure Analysis and Design Using STAAD PRO"

STAAD Pro is an analysis and design software package for structural engineering, used in performing the analysis and design of a wide variety of types of structures. This implies that it addresses all aspects of structural engineering including model development, verification, analysis, design and review of results. It includes advanced dynamic analysis and push over analysis for wind load and earthquake load.

Workshop Highlights

- Learn & Interact with renowned Industry Experts.
- Receive an unparalleled education on the art of 3D Structure Analysis and Designing with personal one-on-one attention.
- Covers all the basics of Structure Analysis, designing & Software tools.
- Printed material developed by well established Industry experts.
- Hands on Demonstrations of Latest Staad Pro Software.
- PowerPoint Presentation, Live Demos, Interactive Question & Answer sessions and comprehensive reading material.

Workshop Certification

- Certificate of Participation from NSTP-2016 EDC IIT-Roorkee.
- Certificate of merit from NSTP-2016 EDC IIT-Roorkee.
- Certificate of Coordination from NSTP-2016 EDC IIT-Roorkee.

Benefits of association with us

- Name and Logo including website link will be published on our official website mentioning that “You are our Official Zonal Partner”.
- Authorized Team will visit your College to organize the entire event.
- Chance to get associated with nationally acclaimed engineering Institute of India.
- An email will be sent to more than 1 lack users of our web partners about your college publicity.
- Posters and Flexes will be sent to you for effective regional publicity.
- All India publicity through SMS will also be done.

Benefits to the Participants

- Certificate of participation would be awarded to each participant.
- Winners will get the merit Certificate.
- Free Software Toolkit CD (Containing E-Books, Software, Video's, Tutorials, projects)
- Full Version Of STAAD PRO Software CD To each Student

Prerequisite for Workshop

- Passion to learn new creative things.
- Basic Knowledge of Structure Analysis & Design
- Having basic knowledge of Computers.

Who Could Attend?

- College students seeking future in 3D Structure Analysis and Designing
- Education Faculty & Staff in 3D

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.

Software Tool

- Staad ProSoftware (Full Version)

Requirements for Zonal Center

- Seminar hall/classroom having the enough capacity to conduct hands-on-session for all participants.
- Good Quality public address system ideally two cordless mikes will be required.
- Projector/ Screen along with black/white board for teaching and presentation purposes.
- One small stereo jack cord connect to laptop for its sound system.
- This Zonal center can only be arranged for a minimum of 60 students

Responsibility of an Organizer

- Hospitality (2 days) for a team of 2 members.
- Pick and Drop facility from the nearest railway station/bus stop/ airport.

Workshop Duration

- 2-Days (7-8 hours each day)

Registration Fee

- **RS.1200**/per participant only
- The fee includes @15% service tax training, certification, and Event registration
- @10% discount in registration fee on cash payment.

Please be free to contact us for any kind of discussions related to NSTP-2016

Md.Nafish

Dept. of Education & Training Development

Finland labs(Unit of Revert Technology Pvt. Ltd)

NSTP-2016 | AppsFluxus-2017 | RoboFeast-2017

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