STAAD.Pro

CERTIFICATION IN STADD-PRO

Master's in Staad-Pro skills & and take your career to the next level!

WHO CAN JOIN THE COURSE?

- Civil Engineering Students: Undergraduates and postgraduates in civil or structural engineering will find this course essential for their academic and professional development.

- Construction Professionals – such as site engineers or project coordinators wanting to understand structural behavior and load analysis.

GIMPLES OF OUR SUCCESSFUL TRANSITIONS

facebook.
Reviews · 4.6 ★★★★★

Justdial™
Reviews
4.8 ★★★★★

Google
Reviews
4.8 ★★★★★

Sulekha
Reviews
4.9 ★★★★★

PROGRAM CURRICULUM-I

STAAD Pro Course Contents

- Introduction of Staad.Pro Starting Staad.Pro
- Creating New file
- Opening Existing File
- Closing a file
- Saving & Saving As
- Module Review
- Salient Features
- Hardware Requirements Staad.Pro Screen information Overview of Structural Analysis and Design
- Types of Structures
- Idealization of Structures Various Unit Systems
- Coordinate Systems
- Global Coordinate System
- Local Coordinate System
- Staad Commands and Input Instructions

- Command Formats
- Free Formatting Input Commenting Input
- Meaning of Underlining in the Manual
- Problem Initiation and Title

STRUCTURAL MODELING

- How things are done in the
- Input File
- Geometry Creation Methods Using Structure Wizard
- Things you can do in Structure Wizard
- Drafting the Geometry using a Snap / Grid
- Viewing
- Selecting
- Using Selecting While viewing 3D Geometry
- Joint Coordinate Specification Graphical User Interface

PROGRAM CURRICULUM-II

- Member Incidence Specification Graphical User Interface

OTHER USEFUL FUNCTION TO COMPLETE THE GEOMETRY

- Introduction
- Translation Repeat
- Circular Repeat
- Insert Node
- Add Beams between midpoints Add beams by perpendicular intersection
- Connect beams along an Axis Cut Section
- Undo / Redo
- Dimensioning

PROPERTY DETAILS

- Material Specification
- Material Constants
- Constant Specifications
- Member Property Specifications
- Tapered Member Specifications

- Specifying Properties from Steel Table
- User Table Specifications Member Orientation Specifications
- Beta Angle
- **MEMBER**
- Inactive / Delete Specifications Listing of Members / Joints by Specifications of Groups
- Member Offset
- Member Release Specifications Member Truss Specifications Member Tension / Member Compression Specifications Global Support Specifications Fixed / Pinned / Fixed but Release / Spring Supports
- Inclined Supports
- Curved Member Specifications Member Cable Specifications

PROGRAM CURRICULUM-III

LOADING PARTICULARS

- Loading Specifications
- Self weight Loading Specifications
- Member Load Specifications Area Load / Floor Load Specifications
- Area Load
- Floor Load
- Load Combination Specifications

ANALYSIS

- Analysis Specifications
- Print Specifications
- Pre Analysis Print Commands Post Analysis Print Commands Load List Specifications
- Report Generation
- Output file

POST PROCESSING

- Introduction

- First Steps
- Node Displacement
- Node Reactions
- Beam forces
- Beam Stresses
- Beam Graphs
- Plate Contour
- Plate Results Along line Animation
- Reports
- **R.C. DESIGN**
- Concrete Design As per IS 456 Design Parameters
- Design of Beams
- Design for Flexure
- Design for Shear
- Design of Columns
- Concrete Design Specifications
- Concrete Design Parameter Specification
- Concrete Design Command

PROGRAM CURRICULUM-IV

- Concrete Take of
- Concrete Design Terminator Interactive Design Beam Brief Column Brief

Rendering

- Improving Rendering Quality Rendering an Exterior Scene Rendering an Interior Scene

VRay Introduction

- What is VRay and how to setup VRay
- VRay Image Saving Options

Global Illumination in VRay

Irradiance Map

- Light Cache
- Quasi Monte Carlo/ Brute Force Environmental Lighting

Image Sampling

- Fixed
- Adaptive DMC
- Adaptive Subdivisions

VRay Lights

- **V**Ray Light
- VRayAmbientLight
- VRayIES V
- Ray Sun

VRay Camera

- VRayDomeCame VRayPhysicaCam
- Shutter Speed

VRay Materials

- VRay2SidedMtl
- VRayMtl
- VRayFastSSS2
- VRayMtlWrapper

Rendering Scenes

- Rendering an interior scene using V-Ray
- Rendering an exterior scene using V-Ray Materials

ZENUS **CAREER SERVICES**

Career-oriented Session
Attend 10+ career-oriented session by industry mentors and prepare your career trajectory

Profile Building
Solid-Edge resume and LinkedIn profile to make an impression on top employers

Dedicated Job Portal Access
Get exclusive access to 20+* job posting per month on Zenus's job portal

Mock Interview Preparation
prepare with mock interviews including most asked question by top employers

1:1 Mentoring Session
Get 1:1 guidance at every step in your career transition to Solid-Edge

Placement Assistance
Placement opportunities are provided once the learner is moved to the placement pool upon clearing Placement Readiness Test(PRT)**

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Awared By Ex-Indian Cricketer Chetan Sharma Sir

Awared By Ex-Indian Cricketer Sandip Patil Sir

VISIT US

Zenus Infotech India Pvt. Ltd.

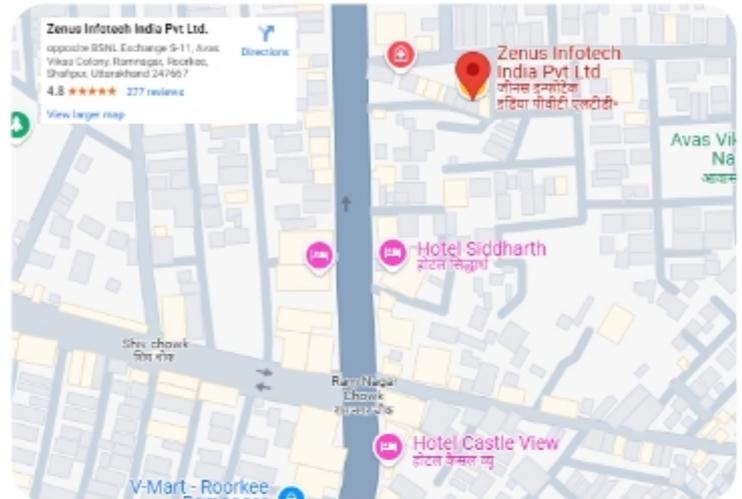S-11, Gate-1, Avas Vikas , Opposit BSNL Telephoone Exchange, Roorkee

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STUDENT TESTIMONIALS

Shivant Tyagi
★★★★★

Our experince with ZENUS INFOTECH has been very good. its the best company in india for industrial training and placements.

Abdul Raoof
★★★★★

Good teches.And Good teacher .Zenus teacher is helping person that solve the asking question .Zenus is a wonderful platform

Piyush Kumar
★★★★★

I feel my self with a great weight of knowledge after doing training from Zenus Infotech

Prabhat Saini
★★★★★

Extremely nice atmosphere to learn softwares and knowledgeable and helpful faculty with great experience.

Sumit Pant
★★★★★

Highly skilled staffs well as good place to work ..the faculties are very good teachers

Ishant Chauhan
★★★★★

Highly experienced and project oriented training received with full support from the trainner. Thanks Zenus Infotech