



# STAAD. PRO

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## Staad Pro

### Geometry

- Understanding STAAD Pro Way
- What are Nodes, Beams and Plates?
- How things are done in the Input file?
- Geometry Creation methods
- Method 1: Using Structure Wizard
- Things you can do in Structure Wizard
- Method 2: Drafting the geometry using Snap/Grid
- Viewing
- Selecting
- Using Selecting While Viewing 3D Geometry
- Method 3: Using Copy/Cut with Paste
- Method 4: Using Spreadsheet (Excel) Copy and Paste
- Method 5: Using DXF importing file function
- Workshop
- Module Review

### Useful Function to complete the Geometry

- Introduction
- Translational Repeat
- Circular Repeat
- Mirror
- Rotate
- Move
- Insert Node
- Add Beam Between Mid-Points
- Add Beam by Perpendicular Intersection
- Connect Beams along an Axis
- Intersect Selected Members
- Cut Section
- Renumber
- Delete
- Undo/Redo
- Zooming/Panning
- Dimensioning
- Pointing to Nodes, Beams, and Plates
- Global and Local Coordinate System
- Workshop
- Module Review



## Properties

- Introduction
- Property Types
- Type 1: Prismatic
- Viewing Cross-Section
- Type 2: Built-In Steel Table
- Type 3: Thickness
- General Notes about Property Assigning
- Workshop
- Module Review

## Constants, Supports, and Specifications

- Introduction
- Material Constants
- Geometry Constant
- Supports
- How to Assign Supports
- Editing supports
- Specifications Workshop
- Module Review

## Loading

- Introduction
- How to Create Primary Load
- Individual Loads: Introduction
- Individual Loads: Selfweight
- Individual Loads: Members Loads
- Individual Loads: Area Load
- Individual Loads: Floor Load
- Individual Loads: Plate Loads
- Individual Loads: Node Load
- Individual Loads: Viewing & Editing
- How to Create Manual Combinations
- How to Create Automatic combinations
- Workshop
- Module Review

## Analysis

- Introduction
- Perform Analysis Command
- P-Delta Analysis Command
- Non-Linear Analysis Command
- The Execution command
- Workshop
- Module Review



## Post Processing

- Introduction
- First Step
- Node Displacement
- Node Reactions
- Beam Forces
- Beam Stresses
- Beam Graphs
- Plate Contour
- Plate Results Along Line
- Animation
- Reports



**Q: Why should I choose Training Basket over other training providers?**

Ans. Training Basket provides a unique amalgamation of quality, convenience, flexibility and cost. Training Basket has some of the best trainers in the industry. Our trainers excel not just in depth and width of knowledge, but also in their patience and ability to explain difficult concepts in simple terms.

Training Basket has made serious investments with long-term vision for ensuring good environmental factor for studies by first buying their own suites in the prestigious iThum Towers in NOIDA, Sec-62. This lets us configure our labs and classroom suited best to our student's comfort and focused studies.

**Q: What is the criterion for availing the Training Basket job assistance program?**

Ans: All Training Basket students who have successfully completed their training in any of our courses are directly eligible for placement assistance.

**Q: Which are the companies that Training Basket has placed students in the past?**

Ans: We have exclusive tie ups with MNC's like Ericsson, Cisco, Cognizant, Tech Mahindra, MEON, Bingo, Genpact etc.

**Q: Do I need a prior industry experience in getting an interview opportunity?**

Ans: There is no need to have prior opportunity for getting an interview call. The successful completion of any industry level technology training at Training Basket is like an industry experience. This training makes you confident to clear interviews and we also conduct in-house mock interviews on our online assessment platform where we assess our student's skills by testing their code online or industry specific assessment before sending them for interviews.

**Q: How does Training Basket assist in placement?**

Ans: You will be guided on creating an attractive template based resume. You will get opportunity to attend free personality development program and mock interviews conducted by our SME's to boost your confidence for real interviews. Plus you will be given our level assessment platform where we assess our student's skills by testing their code online or industry specific assessment.

**Q: If I don't clear in first attempt, will I get another chance?**

Ans: Yes, for sure. Your resume will be active on our job portal and will be visible to all our associates and clients. Training Basket will continue to send your resume to future job requirements matching your profile till you land a job.

**Q: Does Training Basket Guarantee job through it's job assistance program?**

Ans: Training Basket does not guarantee job placement but it will continue to assist you on best efforts basis to place you in it's affiliated companies' network.

# COMPANIES WHERE OUR STUDENTS ARE PLACED

**Tech  
Mahindra**



**Source Soft Solutions**  
We only believe in the best

**Chi Networks™**

**ADS-eVER**

**MEON**  
DELIVERING GREAT SURFACES

**BioMax™**



**Bingo**  
Change • Innovate • Lead

**Dimensions**  
Five Dimensions Infotech

**WTS Webtech Solutions**

**HCL**

**IBM**

**Infosys**

**accenture**

**HUAWEI**

**Reliance  
Jio Infocomm**

**pinga™ solutions**

**DATA BRIDGE**  
MARKET RESEARCH

**CoreIP**  
Technology Pvt Ltd

**iSOURCE**

**network  
solutions**



**Shailers**  
Solutions...for your need



**SAMSUNG**

**indiatech**  
Solutions