



MILESTONE

INSTITUTE OF TECHNOLOGY

Upskill Reskill Stand Out



YEARS OF
EXCELLENCE

31000+

Enrolled Students

17000+

Placed Students

150+

Company Tie-ups

100+

Job Oriented Courses

Advance Your Career with

Staad Pro

About us

Milestone Institute of Technology is a prominent institution that aims to be a global leader in teaching programs and the preferred training hub for the IT-ITES, Architecture/Construction, Mechanical, Graphic Design, Industrial Automation and Information Technology sectors. With a focus on providing quality qualifications, Milestone strives to enhance individuals' future prospects and opportunities, ensuring that their credentials are widely recognized and valued by employers and universities worldwide. One of Milestone's unique strengths lies in its ability to align its training programs with industry requirements. Through its subsidiary, **Milestone PLM Solutions Pvt. Ltd.**, Offers engineering design services to global companies, allowing students to receive practical,

hands-on training that prepares them for real-world challenges. Milestone Institute of Technology offers master diploma courses tailored to the needs of ITI, Diploma, and Graduate Engineering students specializing in **Mechanical, Civil, Architectural, Interior, Graphic Design, Industrial Automation, and Information Technology** streams. By providing comprehensive and industry-oriented education, Milestone equips its students with the skills and knowledge necessary to thrive in their respective fields. With a commitment to excellence and a forward-looking approach, Milestone Institute of Technology strives to shape the future of education by producing highly skilled professionals who contribute to the growth and development of industries on a global scale.



Mission and Vision

Our mission at Milestone Institute of Technology is to provide a comprehensive education solution that empowers students and enables them to excel in their chosen fields. Milestone believes in delivering a **high-quality, hassle-free education** experience to our students and thus ensuring their success and growth. Our vision is to be a global and unique leader of transformative education solutions. We aim to revolutionize the learning experience by leveraging technology and offering a diverse range of programs that meet the evolving needs of students and industries worldwide. Through our continuous efforts towards excellence, Milestone aspire to empower students and contribute to the advancement of society as a whole.

Why study with MIT?

What sets MIT apart from the rest of the institutions?

- From Last 22+ years we are in Training and Engineering Design Services, consistently upholding our commitment to excellence.
- Backed by our own Engineering Design Company, Milestone PLM Solutions Pvt. Ltd. Personalize Training.
- Our highly skilled faculty deliver top-notch professional knowledge and offer personalised training to each student.
- Every student receives personalized guidance and individual attention to strengthen concepts, improve practical skills, and achieve better learning outcomes.
- We employ specialised visual teaching methods to accelerate your learning. All courses feature instruction using the latest software versions.

Milestone Education Mission

Milestone aims to be a global leader in teaching programmes and the first-choice training hub for IT-ITES, Architecture/Construction, Mechanical, Industrial Automation, Graphic Design and IT sectors. Our goal is to enhance an individual's future prospects and opportunities by providing high-quality qualifications that are widely recognized and valued by employers and universities worldwide. Milestone-trained students are equipped with skills tailored to industry requirements, as Milestone also provides engineering design services to global companies through Milestone PLM Solutions Pvt. Ltd. Additionally, Milestone offers Master Diploma courses for ITI, Diploma, and Graduate Engineering students in the Mechanical, Civil, Architectural, Interior, Graphic Design, Industrial Automation, and IT streams.



Advance Your Career with Staad Pro

Specialize in structural design with our Staad Pro Course and Training. Learn to create, analyze, and document structural designs using BIM technology. This course is tailored for structural engineers looking to enhance their skills and streamline their project workflows.

Overview

Our Staad Pro Course Training Program offers an in-depth exploration of structural engineering. Gain hands-on experience creating and analysing structural designs, ensuring accuracy and collaboration throughout the project lifecycle. Ideal for professionals aiming to advance their expertise in structural design and analysis.



Why Choose This Course?

Excel in Structural Design with Staad.Pro

Our Staad Pro Course equips you with advanced skills in Staad.Pro, preparing you for a successful career in structural engineering. With expert instruction and practical projects, you'll gain the confidence to tackle complex structural design challenges.



100% Placement Assistance Program

Job placement assistance readiness.



Real time projects

Receive continuous feedback to enhance your learning.



Continuous Feedback

Receive continuous feedback to enhance your learning.

Advance Your Career with Staad Pro

TRAINING PRICE	COURSE DURATION	ONLINE / OFFLINE
Contact: +91 98198 57244 8454065555	8 Weeks (Regular / Weekend) 1 & ½ Hour	Yes / Yes

Prerequisites

Basic Computer Skills

Topics Covered

Introduction

- About STAAD.Pro and Applications
- Application in Industry vs University comparison
- Traditional Structural Analysis vs. MODERN approach
- By HAND Vs. By computer
- Finite Element Method Introduction
- FEM Solutions

STAAD Module Orientation

- Analysis capability and International Code support
- 3rd part integration support
- GUI Quick overview
- Model Generation Techniques
- Command File editor info
- Built-in info order
- Finite Element modeling
- Load types and Generation
- Model Verifications
- Adv. Analysis capability
- Result verification and post processing
- Design code-RCC and Steel
- Solving Method
- Solving Approach
- How to start STAAD.Pro V8i
- Navigating STAAD.Pro V8i GUI
- Configuration & Settings
- Unit and Code configuration
- Back Up Manager
- Opening and Saving Projects
- Overview of Structure
- Status Bar details, Hierar-

- chy Managing
- Understand the different component of GUI

Geometry Operations

- Renumbering
- Importing CAD Files
- Details About Grid systems in STAAD.
- Types of Structure and Methods
- Types of Element
- Mode of Structure
- Creating Geometry for Structure
- How to create Beam /Column & Curved Beams
- Structure Wizard
- Structure Wizard Model and STAAD Transfer
- Modifying Geometry for Structure Copy /CopyLink/Rotate/Mirror etc)
- Add Mid points, Cut Section
- Add Perpendicular inter-section beam
- Stretch /Split BEAMS
- Hot spots, Fill Plates
- Different Viewing Controls for Structure Geometry
- Boundary Conditions & Properties
- Properties of beam/column
- Display properties, Rendering
- Steel profiles
- Material + CROSS SECTION
- Beam and column end offset + adv. options
- Use cursor to assign and selection, View assign
- Types of support
- Material Assignment
- Material creation

Load Types

- Load case
- Defining Load case
- Dead Load defining
- Imposed Load defining (LIVE)
- Point Load, UDL Load, Floor Load, Area Load
- Wind Load -IS Code based
- Seismic Load-IS Code based
- Load combinations, Auto LOAD Combinations
- Envelopes
- ProjProjects on Buckling
- ects

Post-Processing

- Analysis Outline, Analysis/Print
- Beam2D
- Post Processing
- Internal Hinge, Truss2D
- Inclined Support & Support Settlement

Analysis

- P-Delta Analysis
- Bracing with Truss or Tension Members
- Building with Flat Slab & Shear
- Transfer Force for Connection Design
- RCC Design & Analysis
- RCC Design and Analysis
- Loads and Repeat Load case for RCC
- IS RCC Codes and STAAD.Pro
- Slab Design and Analysis
- IS CODE Check
- Modal Analysis
- What is Modal Frequency or fundamental Frequency
- Necessary for conducting Modal Analysis
- Parameters need to check after Analysis

Receive the following when attending a course at Milestone :

- **Placement Support**
- **Free eBook**
- **Course Material**

Exams and Certifications:

- **Staad Pro**

Who should attend

- **Civil Engineers**
- **Civil Draughtsmens**

Targeted Job Roles

- **Structural Engineer**
- **Structural Designer**





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REG. OFFICE THANE

201, Siddhashram CHS, Gokhale Rd, opp. Hanuman Temple, next to Ishan Arcade, Thane (W), 400602
Contact: +91 9819857244 | +91 8454065555
Email: training@milestone.ac.in

ANDHERI

16, Vivina 2B, NADCO Shopping center,
Opposite Station, Andheri West - 400058.
Tel : +91 9702123388 | +91 9322842025
Email: andheri@milestone.ac.in

BORIVALI

201, 2nd floor, Mudra Society, Chandavarkar Rd,
opp. Dattani Trade Centre, behind Byke hotel,
Borivali West, Mumbai, Maharashtra 400092.
Phone: +91 9892694995 | +91 91378 75152
Email: borivali@milestone.ac.in

GHATKOPAR

201 Rajgor Empire, khot Lane, Opp Bata showroom. Ghatkopar west. Mumbai - 400086
Phone: +91 8369919983 | +91 8369984022
Email: ghatkopar@milestone.ac.in

RATNAGIRI

309 B wing, Navkar Plaza, Maruti mandir,
Ratnagiri, Maharashtra 415612
Phone: +91 7666464099 | +91 9029542464
Email: ratnagiri@milestone.ac.in