



MILESTONE
INSTITUTE OF TECHNOLOGY
Upskill Reskill Stand Out

★ ★ ★ ★ ★
22
Since 2004...
YEARS OF
EXCELLENCE

31000+

Enrolled Students

17000+

Placed Students

150+

Company Tie-ups

100+

Job Oriented Courses

Transform Ideas Through Simulation with

Ansys

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.

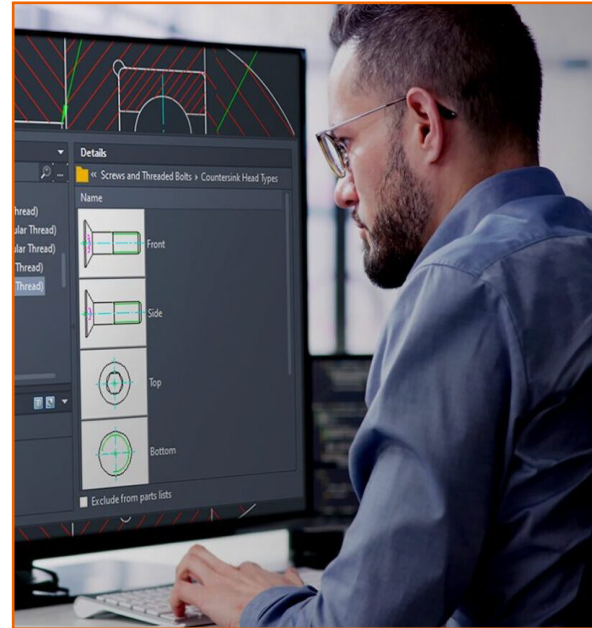


Transform Ideas Through Simulation with **Ansys**

Master ANSYS, the leading engineering simulation software, and learn how to analyze and optimize product designs. This Ansys Course Training will give you practical skills in solving complex engineering problems through simulations.

Overview

This Ansys course covers essential ANSYS tools for finite element analysis (FEA), computational fluid dynamics (CFD), and thermal analysis. You will learn to validate and optimize mechanical designs for performance, safety, and durability.



Why Choose This Course?

ANSYS is essential for engineers involved in product development and design validation. This Ansys Course provides the skills needed to excel in industries where simulation and analysis are critical.



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.

Transform Ideas Through Simulation with Ansys

TRAINING PRICE

Contact: +91 98198 57244 | 8454065555

COURSE DURATION

8 Weeks (Regular / Weekend) 1 & ½ Hour

ONLINE / OFFLINE

Yes / Yes

Prerequisites

Basic Computer Skills

Topics Covered

• Introduction to Ansys Software

- Introduction to FEA
- Starting ANSYS Workbench
- Exploring the GUI
- Graphics & Picking

• FEA for Stress and Structural Analysis

- Pre-Processing
- The Database and Files
- 2D Modeling
- Solid Modeling
- How to Import Geometry
- Material Properties
- Real Constants
- Meshing – Multiple Element Attributes, Controlling Mesh Density
- Mapped Meshing, Hex-to-Tetra Meshing,

- Mesh Extrusion & Sweep Meshing
- Loads and Boundary conditions

• Post-Processing

- Introduction to Solvers
- Read, Write and Plot the Results
- Report Generation
- Animating Result
- File Handling
- Exporting Results to other Post-Processor

• Types of Analysis

- Structural Linear Static, Transient
- Structural Non Linear = Time, Material, Contact and Geometric
- Beam Modeling, Beam Meshing, Beam Properties & Loading
- Symmetric boundary

- conditions
- Buckling Analysis
- Modal Analysis Procedure
- Harmonic Response Analysis
- Vibration
- Thermal Analysis – Steady State & Transient
- Conduction, convection
- Structural Thermal Analysis (Couple Field)
- Goal Driven Optimization

Projects

- Capstone Projects / Live Projects

Receive the following when attending a course at Milestone :

- Placement Support
- Free eBook
- Course Material

Exams and Certifications:

- Mechanical Draughtsman

Who should attend

- 10th and 12th Students and Graduate from any stream.

Targeted Job Roles

- Simulation Engineer
- Mechanical Engineer
- Design Validation Engineer





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