



MILESTONE

INSTITUTE OF TECHNOLOGY

Upskill Reskill Stand Out



Since 2004...
YEARS OF
EXCELLENCE

31000+

Enrolled Students

17000+

Placed Students

150+

Company Tie-ups

100+

Job Oriented Courses

Master Diploma in Product Design & Analysis

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.



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Why study with MIT?

What sets MIT apart from the rest of the institutions?

- From Last 20+ years we are in Training and Engineering Design Services, consistently upholding our commitment to excellence.
- We employ specialised visual teaching methods to accelerate your learning. All courses feature instruction using the latest software versions.
- Our highly skilled faculty deliver top-notch professional knowledge and offer personalised training to each student.
- We keep tracking student progress through assignments and projects.

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.



Mechanical Engineering

Enhance your career with leading Mechanical Engineering courses in CAD, CAM, and CAE software. Our classes are designed to boost your skills and expertise through live projects and advanced learnings. Master essential techniques and gain impactful insights for successful career making in various domains from aerospace to automotive.

Graphic Design Software

Mechanical Engineering is a diverse field that involves designing, developing and analysing machines, systems, and devices. As one of the oldest and broadest engineering disciplines, it offers numerous career opportunities across various domains. Whether you're interested in aerospace, sheet metal, plastic products or automobile design, our mechanical engineering courses provide a comprehensive understanding and practical experience to excel in these areas..



Reverse Engineering | 3d Printing

Learn Reverse Engineering techniques and latest 3d printing technology in our state of art lab.



Live Industry Projects

Live Industry Projects/Internships offer invaluable real-world experience, bridging the gap between theoretical learning and professional practice.



Placement Assistance

We assure your successful career. Thanks to our tie-up with more than 100 companies.

Shape the Future of Engineering with a **Mechanical Draughtsman**

Become a Certified Mechanical Draughtsman and Lead in Precision Drafting Develop the skills required to create technical drawings and schematics for mechanical systems. Our Mechanical Draughtsman Course Training provides detailed instruction on producing accurate and industry-standard drafts using leading CAD tools

Overview

The Mechanical Draughtsman course equips you with the knowledge and expertise to create complex mechanical drawings. You will learn drafting techniques, blueprint interpretation, and CAD software usage..



Why Choose This Course?

Gain a competitive edge by mastering the technical skills required for precision mechanical drafting with the Mechanical Draughtsman Course. Suitable for both aspiring and experienced draughtsman.



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.

Shape the Future of Engineering with a Mechanical Draughtsman

TRAINING PRICE

Contact: +91 98198 57244 | 8454065555

COURSE DURATION

12 Weeks(Regular / Weekend) 1 & ½ Hour

ONLINE / OFFLINE

Yes / Yes

Prerequisites

Basic Computer Skills

Topics Covered

Introduction to Mechanical Drafting:

- What is drawing, Use
- Introduction to Engg Drawing

Units:

- Conversion of Units
- Unit Systems – Metric, ANSI, IS

Orthographic Projections:

- Preparation of sketches
- Line, circle, arcs, Ellipse etc.
- Types of Lines, line weights
- Dimensions
- Projection of Solids
- First Angle method
- Third Angle method
- Standard views
- Assembly drawing
- Ballooning & BOM
- Templates, Std. formats

- Dimensions as per IS standards

Sections:

- What is section
- Types of section
- Use of section views
- Convention in section views
- Section of Solids

Isometric:

- Isometric concept
- Need of isometric views
- Isometric exercises
- Dimension

Mechanical Features:

- Screw, fasteners
- Valves, Cotter, Knuckle joints
- Welding, riveting
- Manufacturing Processes
- Piping symbols

- Limits & fits
- GD&T

Others:

- Blue prints
- Introduction to AutoCAD & Pro-E (3D)

Course Project

- Participants of the course have to Develop 2D drawings of design specifications for mechanical equipment and components to assist in planning and production. Analyze design documents and plans to verify dimensions and materials and coordinate with engineers to resolve any errors

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

- Mechanical Draughtsman
- Design Engineer
- Mechanical Designer
- Project Engineer
- Manufacturing Draughtsman

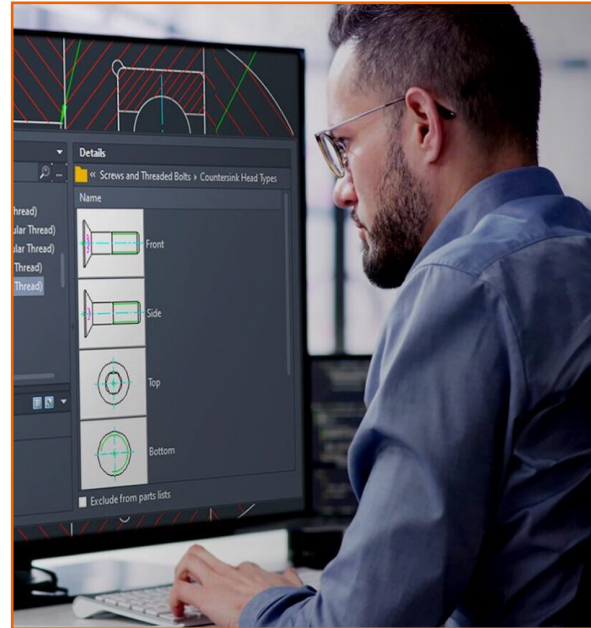


Advance Your Skills with **AutoCAD Mechanical**

Unlock the power of AutoCAD, a leading software tool for mechanical engineers and draughtsman. Our AutoCAD Mechanical Course Training equips you with the skills to create precise technical drawings and designs. With hands-on training and real-world applications, you'll gain the expertise needed to excel in the mechanical engineering field.

Overview

Dive deep into AutoCAD Mechanical with our structured AutoCAD Mechanical Course to teach you the fundamentals and advanced mechanical drafting techniques. Learn to create 2D and 3D designs, manage complex mechanical systems, and develop efficient workflows.



Why Choose This Course?

The AutoCAD Mechanical Course offers a comprehensive introduction to AutoCAD Mechanical, ideal for beginners and professionals looking to refine their drafting skills. Learn from industry experts and gain practical experience to boost your career prospects.



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 Skills with AutoCAD Mechanical

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

Overview of AutoCAD Mechanical

- Drawing Basics and Modifying Tools
- Layers, Blocks, and Object Management
- Dimensioning and Detailing Mechanical Parts
- Isometric Drawing
- Autocad 3D

Setting up a Mechanical Drafting Environment

Drawing Basics and Modifying Tools

- Introduction to CAD
- 2D Fundamentals
- Preparation of sketches: Lines, Circles, Rectangular etc

- Dimension Style
- Hatch, trim, extend, tables etc

Layers, Blocks, and Object Management

- Layer Overview, modifying layer attributes
- Editing & modification of sketches
- Scaling objects, views
- Duplication using mirror, copy, pattern etc.
- Creating & editing blocks

Dimensioning and Detailing Mechanical Parts

- Dimensioning techniques
- Tolerance symbols, Datum, Finish, welding symbols etc

Isometric Drawing

- Concept
- Snap

- Drawing Isometric objects
- Dimensioning

Autocad 3D

- Introduction to 3D
- Extruding and revolving objects
- UCS concept and it's use
- Boolean using union, subtract and intersect
- Standard views

Receive the following when attending a course at Milestone :

- Internationally Recognised Autodesk Certificate
- Placement Support
- Free eBook
- Course Material

Exams and Certifications:

- Autodesk Course Completion
- -AutoCAD Mechanical

Who should attend

- Mechanical Draughtsmen
- Mechanical Engineers

Targeted Job Roles

- Mechanical Draughtsman
- CAD Designer
- Mechanical Engineer
- Drafting Engineer

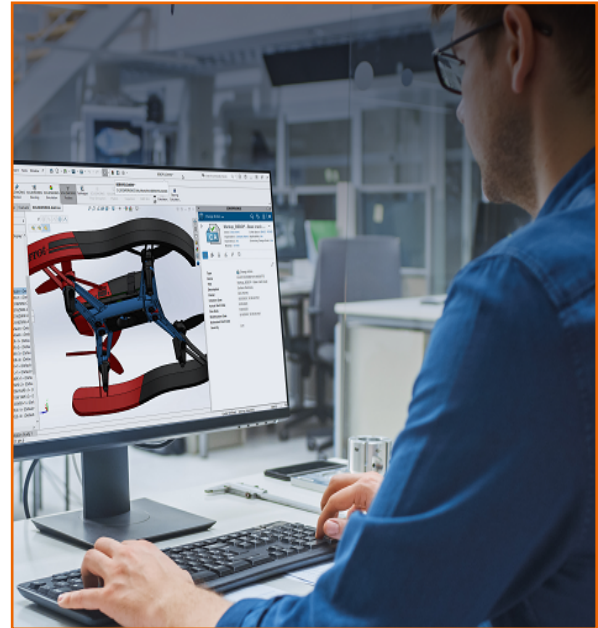


Master 3D CAD Design with SolidWorks

The SolidWorks Course Training program in Thane offers a user-friendly and comprehensive introduction to computer-aided design (CAD) and engineering (CAE). Designed for efficiency, it enables students to design products faster, better, and cost-effectively. Learn how to easily create professional 3D models, assemblies, sheet metal designs, and animations.

Overview

SolidWorks is a powerful, intuitive CAD and CAE software designed to help you create detailed 3D models, assemblies, and drawings. Throughout this SolidWorks course, you'll work with real-world projects, gaining practical experience in solid and surface modeling, assembly design, and simulation.



Why Choose This Course?

Comprehensive curriculum designed to take you from basics to advanced SolidWorks design. Hands-on, real-world projects and live simulations. Industry-relevant training to improve job placement opportunities. SolidWorks Course is taught by experts from Milestone PLM Solutions PVT LTD, an engineering design service provider.



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.

Master 3D CAD Design with SolidWorks

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

Solid Modeling:

- Introduction and Interface
- Sketching and Parametric Solid Models
- Features: Extrude, Revolve, Sweep, Loft
- Part Modifications: Fillet, Chamfer, Shell, Draft, and Patterns.

Assembly Design:

- Creating and Managing Assembly Models.
- Defining Assembly Constraints.

Surfacing:

- Advanced Lofting and Sweeping Techniques.
- Surface Modifications and Tweaks.

Sheet Metal

- Bend, Jog, Dimple, and Flange Features.

- Creating Flat Patterns and Advanced Features.

Drafting:

- Generative Drafting and Views (Exploded, Section, Detail).
- BOM and Annotations.

Animation and Mechanism Design

- Introduction to Product Animation.
- Defining Joints and Simulating Product Movements

Extra Features:

- File Management and Blueprint Reading.
- Applying Tolerances using IS Standards.

Receive the following when attending a course at Milestone :

- Placement Support
- Free eBook
- Course Material

Exams and Certifications:

- Government Certified
- MIT Certified

Who should attend

- Mechanical Draughtsmen
- Mechanical Engineers

Targeted Job Roles

- Mechanical Engineer.
- Product Designer.
- CAD Engineer.
- Sheet Metal Designer.
- 3D Modeling Specialist.

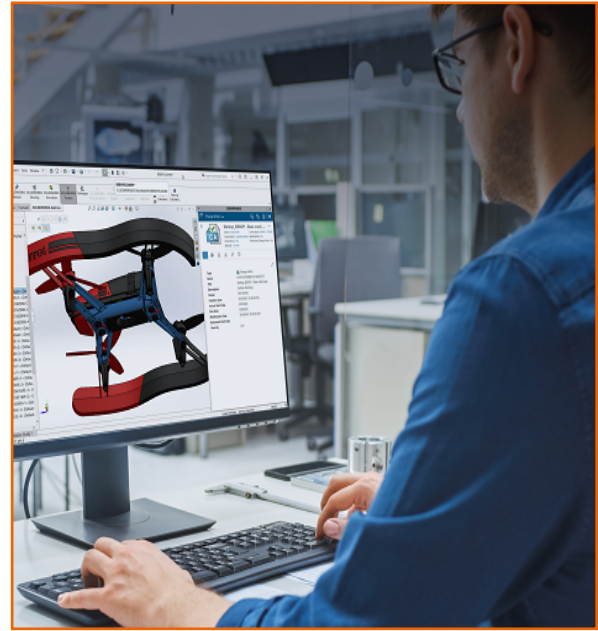


Master 3D CAD Design with NX

Gain expertise in NX (Siemens NX), a comprehensive CAD/CAM/CAE solution used in industries for high-end product design, simulation, and manufacturing. This NX course will prepare you for complex mechanical and product development challenges.

Overview

This NX course offers hands-on experience designing, simulating, and manufacturing complex products. Learn how to create 3D models, perform stress analysis, and generate tool paths for manufacturing.



Why Choose This Course?

NX is widely used in automotive, aerospace, and manufacturing sectors. This NX Course prepares you for an industry career requiring advanced design and manufacturing expertise.



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.

Master 3D CAD Design with NX

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 NX Software

- Introduction
- Creating Parts
- Getting parts geometric information

3D Part and Assembly Design:

- Sketcher mode
- Dimensioning
- Sketch planes
- Extruding, Revolving, Sweep features
- Parametric Modeling
- Modifying parts using History
- Adding Fillet, Chamfer, Shell and Draft
- Creating Patterns

Assembly Design:

- Creating Assembly Model
- Managing Assembly Models

- Defining Assembly constraints

Generative Drafting

- Plotting various views
- Exploded Views and BOM
- Dimensioning
- Section, Detail and Auxiliary views
- Annotations, Symbols and Datum

Advance Surfacing:

- Creating lofted features
- Creating advance sweep features
- Creating Tweak features
- Modifying features
- Advanced surface modeling

Sheet Metal:

- Introduction to Sheet Metal
- Bend, Jog, Dimple and Flange features
- Hole cut, Lofted Flange

- features
- Creating Flat Pattern

Advance Features

- Import, Export using UG NX
- UG NX File Management
- Blue Print Reading
- How to apply Tolerances using IS Standards

Receive the following when attending a course at Milestone :

- Placement Support
- Free eBook
- Course Material

Exams and Certifications:

- Government Certified
- MIT Certified

Who should attend

- Mechanical Draughtsmen
- Mechanical Engineers

Targeted Job Roles

- CAD Engineer
- CAM Engineer
- Product Development Engineer

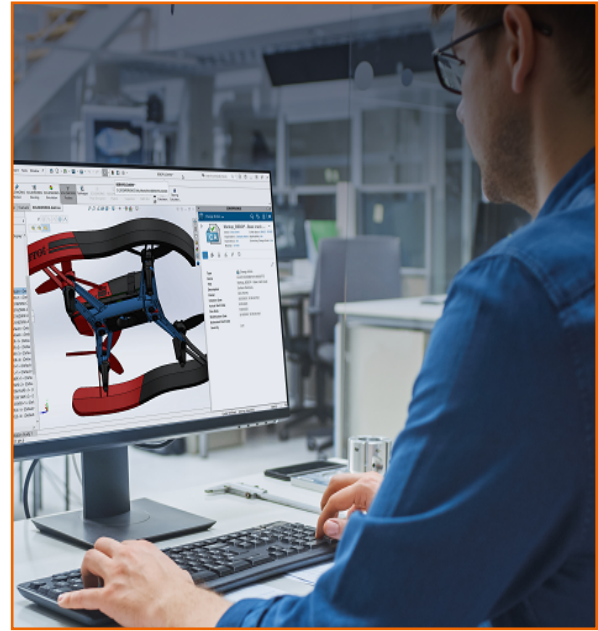


Create Smarter Designs with Catia

Become proficient in CATIA, the leading software for complex product design and engineering across various industries. Our Catia course will teach you how to create and simulate 3D models, empowering you to bring innovative ideas to life.

Overview

The Catia course covers essential CATIA tools and functions, including 3D part design, assembly, and surface modeling. You will learn to develop detailed designs for complex products and run simulations to validate your models.



Why Choose This Course?

CATIA is the preferred software for Aerospace, automotive, and industrial design. This Catia course will equip you with the skills necessary to excel in high-demand.



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.

Create Smarter Designs with Catia

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 CATIA Software:

- Introduction
- Creating Parts
- Parts geometric information

3D Solid Modeling:

- Sketcher mode
- Dimension
- Sketch planes
- Pad, Shaft, Multi section, Rib etc features
- Parametric Modeling
- Modifying parts using History
- Adding Fillet, Chamfer, Shell and Draft
- Creating Patterns
- Material

Assembly Design:

- Creating Assembly Model
- Managing Assembly Models
- Defining Assembly constraints

Generative Drafting

- Plotting various views
- Exploded Views and BOM
- Section, Detail and Auxiliary views
- Annotations, Symbols and Datum

Surfacing

- Creating lofted features
- Creating advance sweep features
- Creating Tweak features
- Modifying features
- Advanced surface modeling

Sheet Metal

- Introduction to Sheet Metal

- Bend, Jog, Dimple and Flange features
- Hole cut, Lofted Flange features
- Creating Flat Pattern

Wireframe & Surface Design

- Creating multisection features
- Creating advance sweep features
- Creating features
- Modifying features
- Advanced surface modeling

Advance Features

- Import, Export using UG NX
- UG NX File Management
- Blue Print Reading
- How to apply Tolerances using IS Standards

Receive the following when attending a course at Milestone :

- Placement Support
- Free eBook
- Course Material

Exams and Certifications:

- Government Certified
- MIT Certified

Who should attend

- Mechanical Draughtsmen
- Mechanical Engineers

Targeted Job Roles

- Product Design Engineer
- Mechanical Engineer
- Aerospace Design Engineer
- CAD Engineer

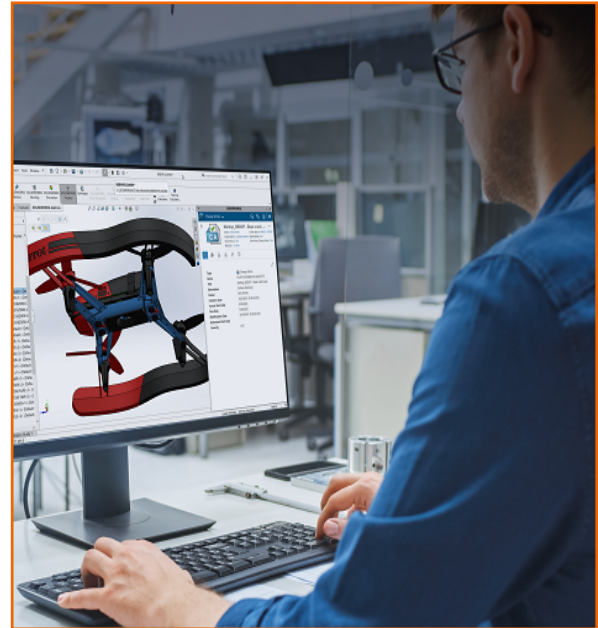


Elevate 3D Design with Creo

Learn to design complex mechanical systems with precision using CREO. This Creo course enables engineers to visualize, design, and simulate 3D modeling of mechanical components and assemblies, providing the skills required to excel in modern engineering environments.

Overview

Our CREO course covers everything from basic 3D modeling techniques to advanced simulations. You'll gain the skills to create intricate designs and optimize mechanical systems for real-world applications.



Why Choose This Course?

Develop advanced 3D modeling skills with CREO, widely used in the mechanical and product design industries. Perfect for engineers looking to enhance their design capabilities.



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.

Elevate 3D Design with Creo

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

• Part Design

- Introduction to Creo Software
- Introduction
- Creating Parts
- Getting parts geometric information

• 3D Solid Modeling

- Sketcher mode
- Dimensioning
- Sketch planes
- Extruding, Revolving, Sweep features
- Parametric Modeling
- Modifying parts using History
- Adding Fillet, Chamfer, Shell and Draft
- Creating Patterns

• Assembly Design

- Creating Assembly Model
- Managing Assembly Models

- Defining Assembly constraints

• Drafting:

- Generative Drafting
- Plotting various views
- Defining Assembly constraints

• Advance Surfacing:

- Creating lofted features
- Creating advance sweep features
- Creating Tweak features
- Modifying features
- Advanced surface modeling

• Sheet Metal:

- Introduction to Sheet Metal
- Bend, Jog, Dimple and Flange features
- Hole cut, Lofted Flange features
- Creating Flat Pattern

• Animation:

- Introduction to Animation
- Defining various joints
- Animation Setup

- Animation

Extra Features:

- Import, Export using Creo
- Creo version management
- Blue Print Reading.
- How to apply Tolerances using IS Standards

Course Project

- Real Life Project / Live Project

Receive the following when attending a course at Milestone :

- Placement Support
- Free eBook
- Course Material

Exams and Certifications:

- Government Certified
- MIT Certified

Who should attend

- Mechanical Draughtsmen
- Mechanical Engineers

Targeted Job Roles

- Mechanical Design Engineer
- Product Engineer
- R&D Engineer
- Automotive Engineer
- CAD Engineer

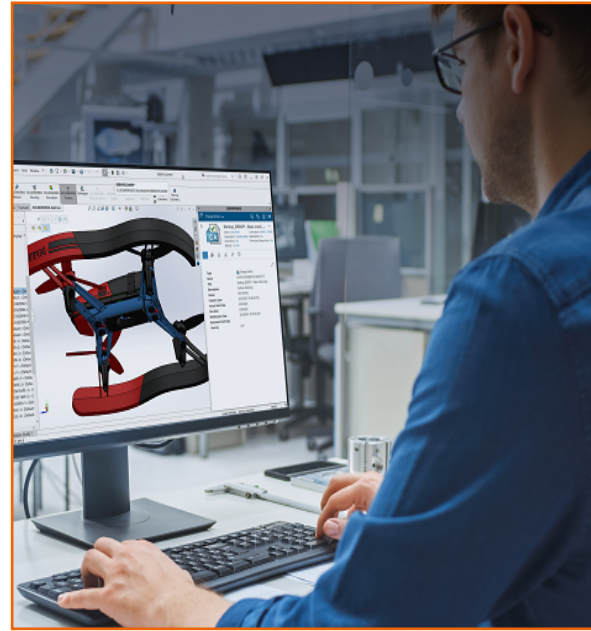


Design Beyond Limits with **Autodesk Inventor**

Master Autodesk Inventor to create professional-grade mechanical designs. This Autodesk Inventor course will equip you with the skills to design, simulate, and document 3D models, making you proficient in high-demand engineering roles.

Overview

The Autodesk Inventor Course Training covers all aspects of 3D CAD design, from parametric part creation to assembly design and simulation. You'll learn to create accurate designs, run simulations, and generate detailed drawings.



Why Choose This Course?

Autodesk Inventor is used in industries like manufacturing, automotive, and aerospace. This course provides the skills required for a successful mechanical design and product development career.



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.

Design Beyond Limits with Autodesk Inventor

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 Inventor Software

- Introduction
- Creating Parts
- Getting parts geometric information

• 3D Solid Modeling

- Sketcher mode
- Dimensioning
- Sketch planes
- Extruding, Revolving, Sweep features
- Parametric Modeling
- Modifying parts using History
- Adding Fillet, Chamfer, Shell and Draft
- Creating Patterns

• Assembly Design

- Creating Assembly Model
- Managing Assembly

- Models
- Defining Assembly constraints

Drafting

- Generative Drafting
- Plotting various views
- Exploded Views and BOM
- Dimensioning
- Section, Detail and Auxiliary views
- Annotations, Symbols and Datum

Sheet Metal

- Introduction to Sheet Metal
- Bend, Jog, Dimple and Flange features
- Hole cut, Lofted Flange features
- Creating Flat Pattern

Advance Features

- Blue Print Reading
- How to apply Tolerances using IS Standards
- Presentation

Projects

- Capstone Projects / Live Projects

Receive the following when attending a course at Milestone :

- Placement Support
- Free eBook
- Course Material

Exams and Certifications:

- Government Certified
- MIT Certified

Who should attend

- Mechanical Draughtsmen
- Mechanical Engineers

Targeted Job Roles

- Mechanical Design Engineer.
- CAD Technician.
- Research and Development (R&D) Engineer.
- Patent Designer.
- Product Development Engineer.

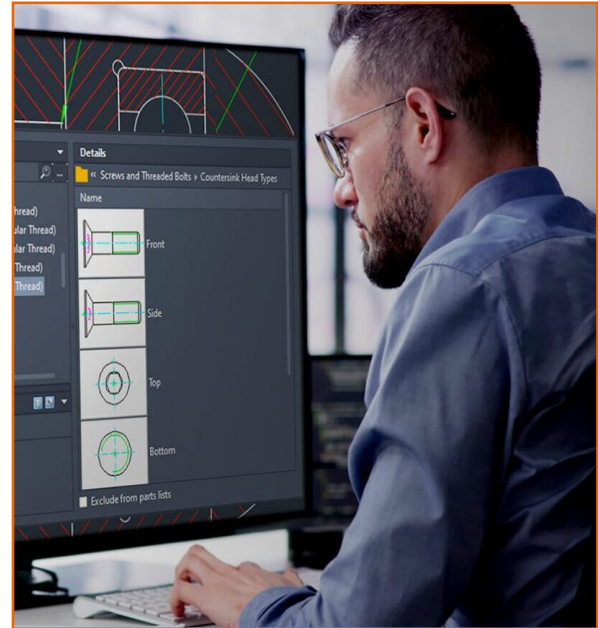


Design the Future of Building Systems with Revit MEP

Revit MEP is a powerful tool for mechanical, electrical, and plumbing engineers. This Revit MEP Training Course equips you with the skills to create, design, and coordinate efficient building systems using Revit MEP powerful tools.

Overview

This Revit MEP Training Course will teach you how to design and model building services such as HVAC, electrical, and plumbing systems using Revit MEP. The course covers everything from creating accurate models to producing detailed engineering drawings for building systems.



Why Choose This Course?

Revit MEP is essential for engineers involved in building design and coordination. This Revit MEP Training Course equips you with the skills to excel in the growing field of building information modeling.



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.

Design the Future of Building Systems with Revit MEP

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 Revit MEP**
- Building Information Modeling (BIM) with Revit MEP
- Overview of the Revit MEP Interface
- Opening a Revit MEP Project
- Viewing Commands
-
- **MEP Systems Modeling**
- **Basic Drawing and Editing Tools**
- General drawing tools
- Editing Revit elements
- Basic modifying tools
- Additional editing tools
-
- **Starting Revit MEP Projects**
- Starting Revit projects
- Linking Revit models
- Copying and monitoring linked files
- Setting up levels
-
- **Views**
- Duplicating views
- Adding callout views
- Setting the view display
- Creating elevations
- Creating sections
- Working with ceilings
-
- **Systems**
- About Revit MEP Systems
- Working with Components
- Creating Systems – Overview
- System Graphics
- Connecting Components

- Analyzing Systems
- **Spaces and Zones**
- Creating spaces
- Creating zones
- Creating color schemes
- Creating Groups
-
- **HVAC Design in Revit**
- About HVAC systems
- Adding terminals and mechanical equipment
- Adding ductwork
- Creating duct systems
- Automatic ductwork layouts
-
- **Electrical Systems Design**
- About electrical systems
- Placing electrical components
- Creating electrical circuits
- Cable trays and conduit
- Electrical panel schedules
-
- **Plumbing Systems Design**
- About plumbing systems
- Adding plumbing fixtures
- Drawing piping for plumbing systems
- Working with plumbing systems
-
- **BIM Coordination**
- **Construction Documents**
- Setting up sheets
- Placing and modifying views on sheets
- Printing sheets
- **Annotating Construction Documents**
- Working with dimensions
- Working with text
- Adding detail lines and symbols
- Creating legends

Tags and Schedules

- Adding tags
- Working with schedules
- Creating schedules

Detailing

- Setting up detail views
- Creating details
- Annotating details
- Patterning

Projects

- Capstone Projects / Live Projects

Receive the following when attending a course at Milestone :

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

Exams and Certifications:

- **Government Certified**
- **MIT Certified**

Who should attend

- **Mechanical Draughtsmen**
- **Mechanical Engineers**

Targeted Job Roles

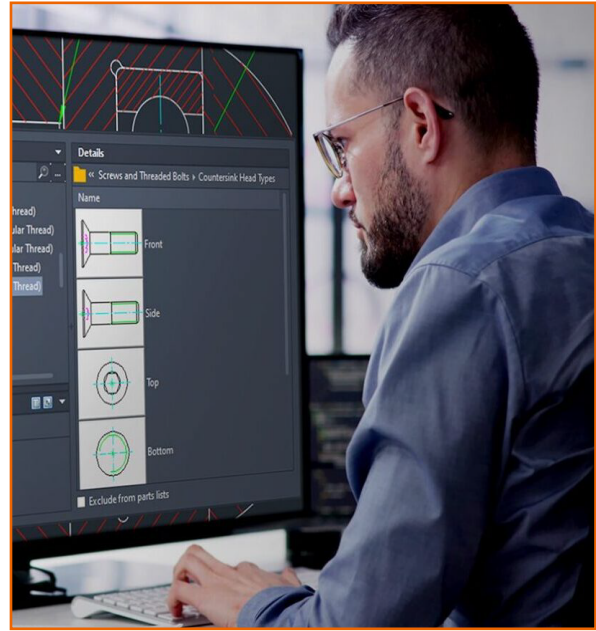
- **MEP Engineer**
- **HVAC Design Engineer**
- **MEP Electrical Engineer**
- **FIRE Protection Engineer**
- **Building Systems Coordinator**

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

2 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**



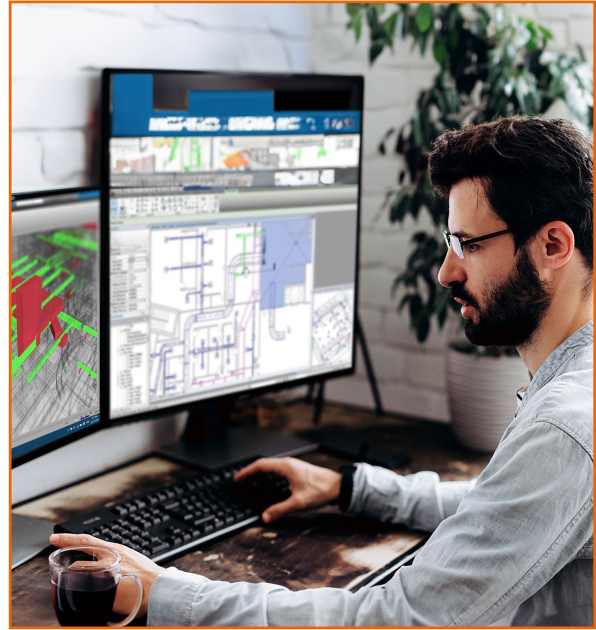
Build the Future with

Intelligent HVAC & Plumbing Design

Build a successful career in the MEP industry with our HVAC Course featuring comprehensive Plumbing Design Training. Learn HVAC system design, load calculations, duct design, piping layouts, plumbing systems, and industry-standard software through practical, project-based training. Earn an industry-recognized certification and develop the technical skills required for real-world engineering projects.

Overview

Learn HVAC & Plumbing Design and build expertise in building services and MEP systems. Master HVAC design, plumbing layouts, ducting, piping, load calculations, AutoCAD, and Revit MEP. Gain hands-on experience to prepare for a successful career in HVAC & Plumbing Design.



Why Choose This Course?

Master HVAC & Plumbing Design with industry-focused practical training. Learn AutoCAD, Revit MEP, HVAC systems, plumbing design, ducting, piping, load calculations, and BIM coordination through live projects and hands-on sessions. Build practical skills, gain industry exposure, and become job-ready for careers in HVAC, Plumbing, and MEP Design.



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.

Build the Future with Intelligent HVAC & Plumbing Design

TRAINING PRICE

Contact: +91 98198 57244 | 8454065555

COURSE DURATION

12 Weeks (Regular / Weekend) 1 & ½ Hour

ONLINE / OFFLINE

Yes / Yes

Prerequisites

Basic Computer Skills

Topics Covered

• COURSE OVERVIEW:

- HVAC Design Fundamentals
- Heat Load Calculation
- HAP Software
- Duct Design
- Plumbing Design
- AutoCAD Drafting
- Excel Calculations

• Introduction to HVAC Systems :

- HVAC Fundamentals
- Heat Load Calculation
- HAP Software
- Duct Design
- Air Distribution System
- Equipment Selection

• Plumbing Design Module :

- Plumbing Fundamentals

- Water Supply Design
- Pipe Sizing
- Pump Selection
- Drainage Design
- Plumbing Layouts

• Fundamentals & Auto-CAD Drafting

- MEP Fundamentals
- Engineering Drawings
- AutoCAD Basics
- Design Standards
- Drawing Preparation

• Software Training:

- AutoCAD for HVAC & Plumbing Drawings
- HAP for Heat Load Calculation
- Excel for Design Calculations

• HVAC Calculation :

- Heat Load
- Duct Design
- Cooling Load Calculation
- Sensible & Latent Heat
- Airflow Calculation
- HAP Software Workflow

Plumbing Calculation:

- Water Supply
- Drainage
- Pipe Sizing
- Tank Sizing

BOQ & ESTIMATION:

- Quantity Takeoff
- Pipe Quantity
- Material Estimation
- Cost Calculations

Receive the following when attending a course at Milestone :

- Placement Support
- Course Material

Exams and Certifications:

- Professional in HVAC & Plumbing Design

Who should attend

- 10th & 12th Students
- Diploma Students
- Engineering Students
- Mechanical Engineers
- Civil Engineers
- Graduates from any stream
- Working Professionals looking to upskill

Targeted Job Roles

- HVAC Design Engineer
- Plumbing Design Engineer
- MEP Design Engineer
- HVAC Project Engineer
- Building Services Engineer
- Revit MEP Engineer
- BIM MEP Engineer
- Mechanical Design Engineer