



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

Transform Manufacturing with Our

Industrial Automation Courses

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.



Industrial Automation

Step into the future of manufacturing with our comprehensive Industrial Automation courses. Learn the latest techniques and technologies to create smart, efficient factories. Our hands-on approach ensures you to gain practical skills in high demand in the industrial sector.

Industrial Automation Software

Industrial Automation refers to using control systems for operating equipment in manufacturing plants, boilers, heat treating ovens, switching on telephone networks, steering ships, aircraft, and other applications. Our courses will provide you with the knowledge and skills to excel in automating industrial processes.



Live Projects

Work on US based live projects and expand your portfolio international BIM standards.



Autodesk Certification

Internationally valid Autodesk certification to flaunt your skillset globally.



100% Placement

We assist you in finding the right job opportunities.

Master your Skills With Industrial Automation

Unlock the full potential of industrial automation with MIT Thane's comprehensive industrial automation course. Designed to equip you with essential skills in automation technologies, this program combines theoretical knowledge with hands-on practical experience. Learn to design, program, and implement automated systems across industries. With a focus on real-world applications, this course prepares you for various industrial automation and control roles.

Overview

Step into the fast-evolving world of industrial automation with our expertly crafted Industrial Automation Course. Covering a wide spectrum of automation technologies, including PLC, SCADA, HMI, and robotics, this program is designed to meet the needs of both beginners and professionals. From learning automation fundamentals to mastering complex industrial systems, you'll gain the skills necessary for success in manufacturing, energy, and other automation-driven industries.



Why Choose This Course?

Master the tools and techniques essential to architectural drafting, ensuring you can create high-quality designs that meet aesthetic and functional requirements.



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 your Skills With Industrial Automation

TRAINING PRICE

Contact: +91 98198 57244 | 8454065555

COURSE DURATION

20 Weeks (Regular / Weekend) 1 & ½ Hour

ONLINE / OFFLINE

Yes / Yes

Prerequisites

Basic Computer Skills

Topics Covered

1. Overview of Industrial Automation

- Introduction to automation technologies
- Importance in modern industries

2. Programmable Logic Controllers (PLC)

Introduction to PLC Programming

- Introduction to Industrial Automation
- Introduction to PLC
- Architecture of PLC
- Types of PLC
- Classification of I/O field devices
- Sinking/ Sourcing wiring concept

ALLEN BRADLEY PLC (MicroLogix 1400)

- Wiring diagram
- Families
- Features
- Addressing
- Introduction to RSLink Software
- Introduction to RSLogix 500 Software
- Bit instructions
- Timer and Counters
- Input/Output
- Compare instructions
- Compute/math instructions
- Move and Logical Instructions
- File Shift and sequencer Instructions

Siemens PLC S7-1200

- Wiring diagram
- Families
- Features
- Expansion modules

- Introduction to TIA software
- Bit instructions
- Compare/ Math Instruction
- Timer, Counter Configuration

Capstone Project

- Real Life Project / Live Project

3. SCADA Systems

SCADA Systems

- Introduction
- Types
- Features
- Manufacturers
- Introduction to tags & its types
- Alarm Configuration
- Trends – Real Time & Historical
- Security
- Scripting
- Interfacing with PLC

4. Human-Machine Interface (HMI)

- Introduction to HMI & Its Software
- Creating Analog & Digital Tags
- Script Writing for Given Applications
- Alarm Generation
- Generating Trends (Historical & Real Time)

5. EPLAN

- Introduction to E-plan
- Basics of IEC Symbols
- Creating Single Line

- Diagram
- Creating Power Diagram
- Generating Bill of Materials
- Generating Title Page

6. MCC Panel and VFD

Introduction to MCC & VFD Systems

- An Introduction to MCC Panel
- Why MCC Panel necessary

Motors

- Study of Different types of motors

Circuit Breaker and Protection Element

- Basics of MCB, MCCB, ELCB, ACB etc.
- Basic of Relays, Contactor, Thermal Overload Relay
- Calculation of above element

Motor Starter Types

- Introduction to types of motor starter
- DOL and Remote DOL Starter diagram study and designing
- Star-Delta Starter diagram study and Designing

MCC Panel Designing

- Panel Designing Guide
- Practical control wiring of Motor starter
- Safety and Management Concept of VFD

VFD Basic

- Introduction to Basic concept of VFD
- Benefits of VFD over other starting method (DOL, RDOL, Star-Delta)

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
- MIT Certification

Who should attend

- BE / BTech Electrical
- BE / BTech Electronics
- Instrumentation Engineers
- Mechatronics Engineers
- Diploma Engineers

Targeted Job Roles

- Automation Engineer
- PLC Programmer
- Control Systems Engineer
- Robotics Engineer
- Maintenance Engineer
- Instrumentation Engineer

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COURSE DURATION

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Yes / Yes

Prerequisites

Basic Computer Skills

- Architecture of VFD

VFD Practical

- VFD manual reading and parameters setting
- Different control modes of VFD (Local, 2 wire and 3 wire modes)
- Hands on Experience on integrated system

Capstone Project

- Real Life Projects / Live Projects

7. Intrenship & Project Works

Capstone Projects & Internship

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Who should attend

- BE / BTech Electrical
- BE / BTech Electronics
- Instrumentation Engineers
- Mechatronics Engineers
- Diploma Engineers

Targeted Job Roles

- Automation Engineer
- PLC Programmer
- Control Systems Engineer
- Robotics Engineer
- Maintenance Engineer
- Instrumentation Engineer



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