



INTRODUCTION

Programmable Logic controller (PLC) is an Electronic hardware/device used for automating electro-mechanical / mechatronics equipment in every manufacturing industries. PLC is a specialized computer used to control machines and process. It has feature to store instructions and specific functions that include On/Off control, timing, counting, sequencing, arithmetic and data handling. PLC is called 'The Work Horse' and or brain of any system, represents a key driver in automation. Today, PLC has become indispensable element in various Machines, Processes, Shop floor, and Utilities etc. To get the best results out of a PLC, it is important to understand how to use a PLC in various functions like Design / Production / QC / Process Planning / Maintenance, etc.

In view of this, IMTMA is organizing a one day programme on Training on Introduction to PLC - Hardware and programming.

FOCUS AREAS

- PLC -Basic Concepts
- Common Hardware Types - Digital and Analog elements
- Communication
- Types of PLCs and HMI
- Overview of Programming Techniques
- Overview of Sensors and Peripherals
- Major Features / Usage of PLC
- Application Areas with Examples
- Limitations of PLC Control

KEY TAKE AWAYS

- Basics of PLC technology and understand the concept of "Programmable" Software Control
- Knowledge of latest features available with PLC technology
- Knowledge on types of PLCs and HMI
- Knowledge about various application possibilities of PLCs
- Importance & types of Sensors and Peripherals
- Knowledge on PLC Features / Usage

FEE PER PARTICIPANT (PER LOGIN)

Rs. 2000/-

+18% GST

**IMTMA Members/ Micro Companies/ Individuals/
Educational Institutions / Students/ IMTMA Non
Members/ Others**

USD 60/-

Overseas Participants

FACULTY

This programme will be conducted by **Mr. Avinash Khare.**

Mr. Avinash Khare is presently working as a Consultant Head for IMTMA Pune Technology Centre for last 5 years; he has been designing, developing content and delivering wide range of Training Courses as a Faculty. He is Electrical Engineer by Qualification and he has worked for over 33 years at Tata Motors Pune in various capacities ranging from R&D in Industrial Electronics, Machine Maintenance, Technology Procurement, Head of Machine Shops, Tool Room Shop Head, Head of Die Design and Champion in Business Excellence. He has taught Instrumentation and Bio Medical Instrumentation at Pune University as part time faculty.

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