

## 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 a very widely used and accepted tool across the product segment for automation in various Machines, Processes, Shop floor, and Utilities etc. To get the best results out of this technology, it's high time to understand the Power of PLC clearly by key level decision makers and technology interface experts from various functions like Design / Production / QC / Process Planning / Maintenance etc. Keeping this in view, Indian Machine Tool Manufacturers' Association (IMTMA) is organising an online training on PLC - A Key Technology for Industrial Automation.

## FOCUS AREAS

- PLC -Basic Concepts
- Common Hardware Types - Digital and Analog elements
- Communication
- Types of PLCs and HMI
- Evaluation of "Power" of PLC
- 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. 6500/-**  
+18% GST

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

**USD 260/-**  
**Overseas Participants**

**Group Concession : 10% for 3 to 5 and 20% for 6 and more delegates being nominated from the same company**

## FACULTY

This program will be conducted by **Ms. K. Lakshmi Kumari.**

**Ms. K. Lakshmi Kumari** has done her BE in electronics and communication and Worked in HMT Machine Tools Limited, Bangalore for 36 years, in various levels from Engineer Trainee to DGM (D & D). She has involved in Design & Development of various SPMs, Conventional machines, CNC Turning machines, CNC Grinding machines, Horizontal and Vertical Machining centers, Flow Forming Lathe etc. Also Experienced in Reconditioning-Upgradation of Conventional Machines to CNC Machines. She has trained many New Engineers, Graduate Apprentice Trainees and Customers on Relay Logic design, Introduction to CNC system and drives and PLC programming.

### For Registration Contact

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