

**Course Code** : IA 09M  
**Course Name** : Basic PLC & HMI  
**Course Duration** : 60 Hrs (15 modules, each module is of 4 Hrs)  
**Maximum Duration** : 1 Month

### **Overview of the Course:**

IIATCA is conducting 60 Hrs individually cared hands on training on basic PLC Programming and SACDA designing course on Industrial Automation for fresh budding Electrical, Instrumentation and Electronics engineers, start-ups, entrepreneurs and managers of project developers, process industries, factory level operations, system integrators and EPC companies. Course focus is on basic PLC Programming and SCADA designing.

The participants will gain knowledge and will have the opportunity to interact with highly experienced automation project managers and experts on site & resource assessment.

### **Who should attend:**

Electrical/Instrumentation and Electronics engineers who are looking for jobs, and practicing engineers or project managers from industry who need skill upgradation.

### **Learning Outcome:**

#### **PLC programming in Mitsubishi make hardware and software**

- Introduction on Industrial Automation and various components of Automation PLC Hardware fundamentals,
- Ladder Logic Concepts
- Introduction to real world control components used in industrial process
- Identification and conventional electrical wiring through various applications
- Use of PLC programming software through various applications
- Real world control components like contactors, relays, timers, solenoid valves etc used in industrial process
- Identification and conventional electrical wiring through various applications
- Use of PLC programming software through various applications
- Concept of analog applications.

#### **HMI**

- Introduction to HMI programming
- HMI programming in Mitsubishi make HMI
- Creating projects on HMI Graphic displays, Screen generation
- Communication between PLC & HMI

**Training Methodology:** The course will be conducted as individually cared program with hands on practical training supported by lectures as and when necessary sometimes using Power Point Presentations. Candidates shall have to program the hardware and software and wiring of the components also have to be done by them.

**Training Materials:**

All the candidates shall be given a CD consisting of

1. Training Documents

**Certification:**

On completion of training, all candidates shall be evaluated by authorities of International Institute for Advanced Training on Control and Automation and successful candidates shall only be issued certificates by them.

**Institute operating Time:** 10:00 am - 08:00 pm (Monday to Saturday)  
10:00 am – 04:00 pm (Sunday)

**Course Fees & Enrollment:** Please Contact us through

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