



**Course Code** : IA 10M  
**Course Name** : Vocational Training on Mitsubishi PLC & HMI or PLC & AC Drives  
**Course Duration** : 60 Hrs (20 modules, each module is of 3 Hrs)  
**Maximum Duration** : 1 Month

#### PLC

- Introduction on Industrial Automation and various components
- Automation PLC Hardware fundamentals
- PLC programming based on Mitsubishi make hardware and software
- Ladder Logic Concepts
- Introduction to real world control components like contactors, relays, timers, solenoid valves etc used in industrial process
- Conventional electrical wiring through various applications
- Use of PLC programming software through various applications

#### HMI

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

#### AC Drives

- Introduction to AC Drives
- General philosophy and various types of AC Drives
- AC motor speed control, Speed torque characteristics
- Characteristics of AC Motors & mechanical loads/ driven equipments
- Local parameter control of AC Drives
- Remote parameter control of AC Drives communicating with PLC

#### Certification:

On completion of training, all candidates shall be evaluated by the 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

Email : [info@iiatca.org](mailto:info@iiatca.org)  
Phone : +(91) 98048 20351  
Whatsapp : +(91) 99038 92986

Student may opt for either PLC & HMI or PLC & AC Drives.