Advanced PLC

Overview:

- In this course the participants should be able to understand the physical parameters, symbols, construction, analogue signals and functions of various control components.
- Participants should be able to read, analyze and understand fundamental of PLC programming.

Participant Profile:

- Operation, Maintenance, Assembly & Planning personnel designers.
- Engineering Students.

Contents:

- Introduction to IEC based operators.
- Programming using Analog I/O.
- Introduction to HMI & SCADA Screen designing.
- HMI Programming.
- Interfacing in between PLC & HMI.
- Networking concept of PLC.
- Project with Universal Simulator.

Learning Target:

The Participants will be able to

- Understand the function of IEC operators
- Read out and create HMI hardware configurations.
- Solve the logics using HMI programming.
- Understand function of SCADA.
- Design SCADA screen.
- Identify and eliminate faults of the PLC – HMI Network and also SCADA.

Prerequisites:

- Basic knowledge on PLC programming.
- Basic knowledge on computer application
- Communication Skills in English.

Teaching & Learning Media:

- Multimedia Presentation.
- Cut-section & Transparent models.
- Sample units & Power units.

Evaluation:

- Theory & Practical Exam
- Project work based on Industrial Application.

Time Durations:

- 36 Hours
- 6 Hours/ Day

Fee:

Contact us for more details.