

PLC Advanced Programming & Sensors

Pre-request: Have good knowledge with PLC Basic

Course duration: 40 Hours

On completing this course you will be able to:

- Understand the difference between different types of sensors
- Able to connect any type of sensor with PLC
- Able to build complete station of PLC S7-300
- Able to work on the software of Siemens specially s7-300
- Understand the operation of analogue signal with PLC
- Able to deal with function in PLC
- Able to solve any application with PLC
- Have all of professional skills of PLC programming

Course Content:

- Basics of sensors.
- Optical sensors.
- Inductive sensors.
- Capacitive sensors.
- Analogue sensors.
- Wiring of sensors.
- How to connect any sensor for PLC.

- ITS Software.
- S7 300 software.
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- Simatic software
- WIN-SPS software
- ITS software
- How to install station from s7 300.
- Statement list programming language.
- Function blocks programming language.
- Sequential diagram programming.
- Functions programming in PLC
- Math operation
- Memory in PLC
- Timers
- Counters
- Comparators
- Analogue input in PLC
- Analogue out in PLC
- Types of communication protocols in PLC.
- GSM control with PLC.

- Ethernet control with PLC.
- Differential equation with PLC.
- PLC Network.
- More than of 30 Application in PLC programming from factories
- Introduction to SCADA system.