

Applications of Programmable Logic Controllers

Duration

5days 20Hours

No. of Attendees

Max. 25 Attendees

Language

Arabic , English

Overview

Introducing the industrial control processes and how to use conventional & modern logic control methods to perform a specific control task using Siemens S7-200 PLC

Topics

- Introduction to PLC (What is a PLC, background and development of PLC, elements of a control system, block diagram of PLC, PLC system scan time)
- PLC theory (PLC programming, control systems, hard wired system, PLC system, peripheral devices)
- Input / Output devices:
Input: pushbutton switch, limit switch, reed switch, and proximity sensor
Output: lamp, buzzer, solenoid, and motor
- Siemens S7-200 PLC programming
- Siemens S7-200 advanced programming techniques (counters and timers)
- Math function & arithmetic operations
- Programming exercises & practical applications on Siemens S7-200 PLC

