

## Advanced Programmable Logic Control Siemens S7" Z IPC-03

### Duration

Ten days 50 Hours

### Who should attend?

IUndergraduate engineers, graduates engineers, technicians and technical student.

### Language

Arabic , English

### Overview

Programmable Logic Controllers (PLCs) are by textbook definition "solid-state members of the computer family, using integrated circuits instead of electromechanical devices to implement control functions." More simply defined, PLCs are the computers that use programmable logic to control automated machinery whether it is in a manufacturing plant.

### Topics

- Creating a Password for the CPU
- High-Speed I/O
- Using the Output Table
- to Configure the States of the Outputs
- Analog Input Filter
- Simatic instructions
- clock instruction
- Integer math instruction
- Real Math Instructions
- table instruction
- Logical Operations Instructions
- interrupt and communication instruction
- high speed counters
- Numerical Functions Instructions
- Describe the operation of PID controllers
- Case studies ( projects)

