



First Select

PLC Basic programming & motor drive

Date	Venues	(\$)Fees	Book your seat
14 Dec -18 Dec 2025	Dubai	2900	Register Now

Objectives

Understand all basics of any control panel and its complicated connections

- Able to connect any production line with classical control
- Understand the internal hardware of any PLC device
- Able to connect any digital input or output
- Learning basics of ladder programming
- Able to make the program for any production line
- Able to work on the software of Allen Bradley company
- Able to work on the software of Siemens specially s7-1200

Course Outline

Day 1 (Basics of PLC)

1. PLC hardware configuration.
2. PLC wiring
3. Discover PLC S7-1200 CPU
4. PLC Configuration on PC
5. Basic of ladder language.
6. Download and upload software to PLC
7. Siemens software SIMATIC STEP7 Professional_V13
8. Allen Bradley company software.

Day 2 (practical applications)

1. Practical connection of plc
2. Control of tanks filling using PLC.
3. Control of doors using PLC.
4. Control of conveyers using PLC.
5. Batching process control.
6. Silo process control.
7. Garage door control.

Day 3 (timers and counters applications)

1. Using Timers in PLC.
2. Counter operation

Day 4 (practical applications)


1. Practical applications
2. Sensor types and connection


Day 5 (induction motor drive programming)

1. Drive selection
2. Wiring of drive
3. Basic parameters
4. Frequency reference
5. Run command
6. ACC and Dec Time
7. Breaking method
8. v/f control
9. multi speed programming

WORKSHOP STYLE

The workshop will be of five day's duration consisting of interactive learning sessions, videos, examples and role-play exercises to provide the delegates with the knowledge and experience of using the key learning issues and techniques.

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