



First Select

## PLC Advanced Programming

Date	Venues	(\$ )Fees	Book your seat
21 Dec -25 Dec 2025	Dubai	2900	<a href="#">Register Now</a>

### Objectives

- 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
- Repair any fault in PLC
- Have all of professional skills of PLC programming

### Course Outline

Day 1 ( s7-300 hardware & programming language) :

1. S7 300 software.
2. S7 300 hardware.
3. Simatic software
4. Bit logic instruction
5. How to install station from s7 300.
6. Statement list programing language.
7. Function blocks programing language.
8. Sequential diagram programming language.

Day 2 ( advanced instruction in plc )

1. Functions in PLC
2. Data block
3. Function block
4. Math operation
5. Memory in PLC
6. Numbering system
7. Timers in s7-300
8. Counters in s7-300
9. Comparators

### Day 3 ( analog signals)

1. Analogue input in PLC
2. Analogue out in PLC
3. Analog sensors ( types & connection )

### Day 4 (communication & HSC)

1. Types of communication protocols in PLC.
2. Differential equation wit PLC.
3. PLC Network.
4. High speed counter and encoder

### Day 5 Practical operations

#### 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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