

COURSE TITLE : PLC S7-1200 PLC FOR BEGINNERS

COURSE OVERVIEW

This course introduces basic programming and configuration of SIEMENS programmable logic controller (PLC) S7-1200. Participants will be exposed with typical architecture of PLC S7-1200 and how it works. Ladder diagram will be used as the programming language. Some basic Boolean logic operations cover in this course are AND, OR, EXOR and timer operations. At the end of the course, participant's programming skills will be tested on real industrial application.

COURSE OBJECTIVES

At the completion of this course, participants will be able to:

- Explain the hardware element of SIEMENS PLC S7-1200 and software element of TIA Portal
- Connect the input and output devices to PLC S7-1200 and configure its addresses
- Write and test the ladder diagram for any given basic problem description
- Troubleshoot basic PLC S7-1200 hardware with the assistance of TIA Portal

THE UNIQUENESS OF THIS COURSE

- Hands-on troubleshooting exercise with the actual SIEMENS PLC S7-1200

WHO SHOULD ATTEND

Persons who involved with programming, maintaining, designing or handling PLC S7-1200 based system or interested in learning SIEMENS PLC

TARGET GROUP

Technicians and engineers

KEY TOPICS

- Hardware configuration of SIEMENS PLC S7-1200
- Basic programming using TIA Portal software

METHODOLOGY

Practical training approach using real industrial equipments

COURSE DURATION

3 Days

PRE-REQUISITE

Basic understandings of electrical, mechanical, pneumatic and hydraulic components are an added advantage

CERTIFICATION

Certificate of attendance will be issued to those who successfully completed the course

Minimum participants: 6

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