

Training Program on Basic Industrial PLC (CU-PLC)

Objectives

- will have a basic or fundamental knowledge of S7 PLC & HMI
- will know about the product specifications, range, hardware / constructional details and features of the product
- will work with Step 7 PLC Programming software

Target Group

Diploma / Degree students in Electrical / Electronics/ Instrumentation/ Electronics & Telecommunication/ Biomedical/ Mechanical/ Production & Mechatronics Engineering.

Content

1. Basic constituents of PLC: Signal modules, CPU, Power Supply, mounting rail and MMC.
 2. How PLC works?
 3. Installation guidelines, powering and wiring of modules with information on addressing
 4. Programming:
 - a. Programming language and representation in STL, FBD and LAD
 - b. Hardware Configuration and setting object Properties of Modules in STEP
 - c. Programming instruction: AND, OR, AND-before-OR, OR-before-AND, NO / NC contacts, Edge detection instructions. Set / Reset, Elementary data type,
 5. Overview of SIMATIC S7 – PLC:
 - a. Programming Units and using PC as Programming Unit
 - b. Hardware Configuration and setting object Properties of Modules in STEP
 - c. Step 7 Instructions and programming: Set / Reset, Elementary data type, Load / Transfer, Comparison, basic math instructions.
 - d. Timers / Counters List etc.
 6. Using Symbol Table and VAT.
 7. STEP 7 blocks and structured programming
 8. Using Data Blocks.
 9. Use of Organization Blocks.
 10. Analog signal processing.
 11. Introduction to HMI
- Integration of PLC and HMI
Control and monitoring from HMI with task

Note

Contact us or Email us to enquire about the fee structure

Type

Face-to-face training

Duration

40 hours

Language

en

Fee

0 INR

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