SITRAIN
Digital Industry Academy

Certificate of participation

Paramasivam SK (Mepco Schlenk Engineering College)

took part in the Learning Event
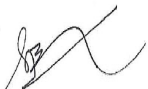
Basic Automation (S71200)

(AS-1200), Learning Consultant: Mepco Schlenk Engineering College

from 18/03/2024 to 22/03/2024.

The following contents were taught:

- Basic constituents of PLC: Signal modules, CPU, Power Supply, mounting rail and MMC.
- Working of PLC Installation guidelines, powering and wiring of modules with information on addressing
- Introduction to programming Programming languages in PLC- Ladder Diagram, Functional Block Diagram, Structured Text Language
- Basic syntax of programming Addressing of inputs, outputs and memory
- PLC tag table
- Programming instructions - basic programming, NO/NC contacts
- Instructions for logic gates implementation
- Solution of typical industry programs Timers - Pulse Timer, On delay Timer, Off delay Timer
- Programming based on timers with typical industry examples
- Sample programs implemented on actual system Counters- up counter, down counter, up down counter
- Exercises on different types of counters, Typical examples Organization Blocks- implementation of organization blocks in a PLC
- Data Blocks - implementation of Data Blocks in PLC Analog signal processing - implementation of Analog input, Analog output
- Typical industry examples with Digital Input, Digital Output, Analog input and Analog output.

Sivakasi, 22/03/2024

Sachin Bhanushali
Head-Customer Trainings
Industry Sector-Customer Services

SIEMENS