INDUSTRIAL AUTOMATION WITH PLC

Module 1:
✓ Introduction to PLC hardware
✓ Architectural Evolution of PLC
✓ Role of PLC in Automation
✓ Introduction to the field devices attached to PLC
✓ AB PLC fundamental (Block Diagram of PLC)
✓ Detail information about PLC component → Power supply → CPU → I/O Modules
✓ Communication Cards
✓ Various range available in PLC
✓ Type of inputs & Outputs
✓ Source sink Concept in PLC
✓ Scan cycle execution

Module 2:
✓ Introduction of PLC software
✓ Addressing Concepts
✓ Programming instruction arithmetic & logical
✓ Leading edge / trailing edge instructions

Module 3:
✓ Timer Blocks programming
✓ Counter block programming
✓ Standard Procedure to be followed in wringing/writing ladder etc
✓ Hands on experience on writing programs
✓ Creating / Editing a ladder logic
✓ Documenting the project

Module 4:
✓ Projects on Industrial applications