PROGRAMMABLE LOGIC CONTROLLER COURSE

Purpose

This course is designed to allow those persons who want to expand their knowledge and skills to understand Programmable Logic Controllers and the ability to programme these units for use in Industry.

Course Duration: 10 Days

Recommended Entry Criteria

- 2-year experience in the Electrical Industry.

Course Outcomes

- Demonstrate and understanding of basic Programmable Logic Controllers
- Programme Logic Controllers using Ladder Logic principles
- Trouble shoot on Programmable Logic Controllers

Modules

Description	Measurable Outcomes
Programmable Logic Controllers	Understanding Programmable Logic Controllers (PLC)
	• Different Terminologies used
	• Programming Languages (Ladder, S.F.C. Instruct/list)
	• Analog and digital signals
	PLC Hardware
	• Power Supply
	• Central Processing Unit
	• Different Memories used (RAM, ROM, EPROM & EEPROM)
	• Inputs and Outputs
	PLC Operation
	• Latches Relays
	• Relays
	• Counters
	• Timers
	Programming PLC's
	• Ladder Logic
	• Function Blocks
	• Simulation Viewing/Monitoring
	• Upload and Downloading programmes from PC to PLC and vice Versa
	Fault-finding on the PLC using the Software.
	• Input Faults
	• Output Faults