



PROGRAMMABLE LOGIC CONTROL (PLC)

COURSE OVERVIEW

The Programmable Logic Control course is designed to teach the operation and programming of Industrial Programmable Controllers and their applications in industry. Programmable Controllers are being implemented across industries at a very high rate because they are prepackaged, industrially-hardened microprocessors that can be easily used to control a variety of industrial processes and machines. Typical applications including robots, conveyors, electric motor controls, heating and air conditioning and process plants. The course is designed to teach participants the basics of programmable controllers which are widely used in automated industries.

WHO SHOULD ATTEND

1. Anyone with general technical knowledge.
2. Working in a technical environment.
3. Technicians, Supervisors, Charge men, Foremen and Engineers who wish to enhance their knowledge in the operation of control system.

PROLUS *claimable*

80 % course fee claimable from SMIDEC Grant
20 % course fee claimable from HRDF levy

COURSE OUTLINE

- Introduction to PLC
- Basic Programming Using Ladder Logic
- Basic Operations of Timer and Counters
- Application with Fluid Power and Relay Control

DAY 1

1. Introduction of the PLC – History and Structure.
2. Ladder Logic Diagrams.
3. Equipment familiarization (PECS) – Configuration using hand-held terminal (HHT)

DAY 2

1. Introduction to Programming: Basic, Latch and Branch
2. Editing Programs: Insert, Delete Rungs and Search Circuits
3. Timer Operations: Timer-on delay (TON), Timer-off delay (TOF) and Sequence of Operation.

DAY 3

1. Counter Operations: Up (CTU) and Down (CTD) counters.
2. The Memory Module: Function and Purpose of a Memory Module.
3. Applications: Fluid Power Control – Automatic Lockout Circuits, Relay and Relay Control – Relay Action Using External and Internal Relay.

TRAINER

PESDC has a panel of professionally qualified, well-trained and industrially experienced technical trainers.

COURSE FEE (STECH-08)

RM 950.00 per pax

(Inclusive of course materials, lunch and refreshment)

Certificate of Achievement will be awarded upon successful completion of the course.

COURSE DETAILS

Duration : 3 Days

Date : 22nd to 24th December, 2008

Time : 9.00 a.m. to 5.00 p.m.

Venue : PESDC Training Complex

For Further Enquiries, please contact:

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