PROGRAMMABLE LOGIC CONTROLLER
ADVANCE PROGRAMMING

GMi
GERMAN-MALAYSIAN INSTITUTE
Training for Advanced Technology

COURSE OVERVIEW

This course is designed to provide participants with the advanced knowledge of PLC to be used in various industrial applications. Participants would be given a hands-on training in developing complex application using advanced tools and data management features in Siemens Simatic software for S7-300 PLC.

COURSE OBJECTIVES

At the end of the module, student / participant should be able to:
- Apply structured PLC programming.
- Program a sequential control system.
- Apply analog value processing in PLC program.
- Setup and configure industrial communication within PLC based system.

THE UNIQUENESS OF THIS COURSE

- Hands-on training on complex PLC applications.
- Training is based on industrial applications.
- Instructor with a vast industrial exposure.
- Opportunity to observe the real industry application of PLC.

WHO SHOULD ATTEND

This course is designed to those who are related to the area of robotics as well as in education line.

Target Group: Engineers, Technicians, Lecturers and Technical teachers.

KEY TOPICS

- Sequence Control System
- Function (FC)
- Function Block (FB)
- Shared data blocks (DB)
- Analog value processing
- Actuator – Sensor – Interface (AS-I)
- PROFIBUS-DP (Distributed I/O)
- PROFINET

METHODOLOGY

Lectures and Practical Exercises.

COURSE DURATION

3 Days.

PRE-REQUISITE

Programmable Logic Controller: Basic Programming.

CERTIFICATION

Certificate of attendance will be issued to those who fulfil 80% of attendance.