



MITSUBISHI PLC INTERMEDIATE PROGRAMMING COURSE

DATE : TBA (3-DAYS)
TIME : 9.00AM - 5.00PM

Advance Automation & Engineering Technology Training Centre , Sungai Petani

INTRODCUTION

PLC (Programmable Logic Control) is a digital computer used for automation of electromechanical processes, such as control of machinery on factory assembly line, amusement rides or light fixtures. Before PLC huge amount of relays, timers, counters and complicated wiring are used for control system of electromechanical machines. PLC has internal relays, timer and counters and only simple wiring is required for control system of electromechanical machines and due to simplicity of the control system trouble shooting is way much easier. Any upgrading, modification of control system is much easier and faster if the control system was run by PLC. Throughout this course we will go thru PLC Wiring, PLC Programming, Trouble Shooting, and creating a simple PLC based machine.

LEARNING OUTCOMES

Upon the completion of this training, participants should be able:

- To read, modify, create, and troubleshoot more complex program in the PLC program.
- Demonstrates their ability to work with complex PLC program.

WHO SHOULD ATTEND

This programme is specially designed for Managers, Executives level and person who interest to know more regarding the complex of PLC program.

ADMINISTRATION DETAILS

SBL KHAS Programme No: TBA
Training Provider: 475427W_KEDAH

Dates : TBA, 2023 (3-DAYS)

Time : 9.00 am – 5.00 pm

Venue : AA&AT Training Centre, Sungai Petani

Fees :

FMM Members – RM 2,438.00 per participant

Non Members – RM 2,650.00 per participant

** Inclusive of 6% SST charge, Training Materials, Refreshments, Lunch and Certificate of Attendance.*

** Enjoy 10% discount for registration of three (3) or more participants from the same organization and of the same billing source.*



TRAINER

FAIZURI BIN MD AKHIR has more than 32 years with strong hands-on experience in equipment maintenance, continuous improvement activity (KAIZEN), small, medium & big scale project (electrical system, PLC & Robotics systems), maintenance management and direct function in management role in various departments such as Production & Engineering Department (PE), Project Department and Field Service Department.

He had trained people in various field such as Electrical Control System, Mitsubishi PLC programming, Power Distribution System, Factory Automation System, POKAYOKE System, Maintenance Management, Basic QMS, Shop Floor Management system and other industrial needs training.

Previously from PROTON, KEU Control Engineering, PERODUA, AMM, NAZA, he was the Senior Manager, Factory Operation for GO AUTOMOBILE SDN BHD and a Senior Manager – Head of Engineering and Services for a Inokom Corporation Sdn Bhd. He executes the company's engineering management initiatives and oversees all aspects of engineering functions within the company. He is currently a freelance attached with FMM networks.

SESSION PLANNING & SCHEDULING


DAY 1

Duration	Content	Time Frame
1 Hour	Introduction <ul style="list-style-type: none"> Introduction session Ice Breaking session Title: Mitsubishi PLC Intermediate Programming Course 	0900 - 1000
30 Minutes	Morning Break	1000 - 1030
2 hours 30 Minutes	<ul style="list-style-type: none"> Objectives of the training Introduction to Mitsubishi PLC Intermediate Programming Course Title: PLC Control System <ul style="list-style-type: none"> PLC Ladder diagram Counter PLS/PLF Special Relay System Timer System Timer (Programable) 	1030 - 1300
1 Hour	Lunch Break	1300 - 1400
1 Hour	Activities Title: PLC Control System (Continue) <ul style="list-style-type: none"> Block Function MOV function + function <> function = function Set/Reset	1400 - 1500
30 Minutes	Evening Break	1500 - 1530
1 Hour 30 Minutes	Activities Title: PLC Control System (Continue) <ul style="list-style-type: none"> Block Function MOV function + function <> function = function Set/Reset	1530 - 1700
Total		8 Hours

DAY 2

Duration	Content	Time Frame
1 Hour	Activities Title: PLC write (Upload) <ul style="list-style-type: none"> PLC Ladder diagram Counting & resetting (Single counter) 	0900 - 1000
30 Minutes	Morning Break	1000 - 1030
2 hours 30 Minutes	Activities Title: PLC write (Upload) continue <ul style="list-style-type: none"> PLC Ladder diagram Counting & resetting (Multiple counter) 	1030 - 1300
1 Hour	Lunch Break	1300 - 1400
1 Hour	Activities Title: PLC Control System (Continue) <ul style="list-style-type: none"> Block Function Thumbwheel switch function 7 segment LED function Data register function 	1400 - 1500
30 Minutes	Evening Break	1500 - 1530
1 Hours 30 Minutes	Assessment Activities To check all the participant understanding by demonstrating all the above	1530 - 1700
Total		8 Hours

DAY 3

Duration	Content	Time Frame
8 Hours	Practical Activities <ul style="list-style-type: none"> To perform I/O check Upload/Download Design simulation Test system 	0900 - 1700
2 Hours	Morning/Lunch/Evening Break	
Total		8 Hours

- *Note 1: Participant need to bring own laptop with "GX developer" or "GXWorks2" software.
- *Note 2: No notes will be provided since all activities will be done in the laptop.
- *Note 3: Participant are encouraged to bring their own notebook for notes taking where necessary.
- *Note 4: PLC set, Push Button, Relay, Contactor & Indicator Lamps need to be prepared by Participant (Inhouse)

For further enquiries, please contact:
Azim / Rozainiza
 FMM Institute
 Kedah/Perlis Branch
 Tel: 04-4403628 / 3273 Fax: 04-4426876
 Email: azim@fmm.org.my / rozainiza@fmm.org.my
IN-HOUSE TRAINING AVAILABLE

Registration is on a first-come first-served basis. Cheques made in favor of the "FMM Institute" should be forwarded one week before the commencement of the programme. Completed registration form, that is faxed, mailed or e-mailed to FMM Institute, would be deemed as confirmed.

All cancellations must be made in writing. There will be no charge for cancellation received 14 or more working days before the start of the programme. Cancellation received 7 - 14 working days before the start of the programme is subject to a cancellation fee of 50% of the course fees. Cancellation received 6 working days and below before the start of the programme is subject to a cancellation fee of 100% of the course fees. If the participant fails to attend the programme, the full course fees are payable. However, replacement can be accepted at no additional cost.

The FMM Institute reserves the right to change the facilitator, reschedule or cancel the programme and all efforts will be taken to inform participants of the changes. Should the programme be cancelled or postponed, FMM Institute is not responsible for covering airfare, hotel or other travel costs incurred by the participants.

REGISTRATION FORM



MITSUBISHI PLC INTERMEDIATE PROGRAMMING COURSE

Date : TBA 2023 (3-DAYS)

Advance Automation Training Centre, Sungai Petani

Dear Sir/Madam,
FMM Institute Kedah/Perlis Branch

Tel: 04-4403628 / 4403273
Fax: 04-4426876

Please tick (√) accordingly:

HRD Corp Scheme:

SBL Khas **Non Contributor** (Please send invoice)

Require vegetarian meal: **Yes** **No (F2F Programme only)**

Please register the following participant(s) for the above programme:
(To be completed in **BLOCK LETTERS**)

1. Name Designation E-mail

Nationality IC No.

2. Name Designation E-mail

Nationality IC No.

3. Name Designation E-mail

Nationality IC No.

(If space is insufficient, please attach a separate list)

Submitted by,

Name: _____

Designation: _____ E-mail: _____

Company: _____ FMM Membership No.: _____

Address: _____

Tel No.: _____ Fax No.: _____ Date: _____

My Corporate Identity No.: _____

GS1 MEMBER **FMM MEMBER** **NON MEMBER**

COMPANY STAMP