



PLC CONTROL SYSTEM & TROUBLESHOOTING METHOD

DATE : TAB (4-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 operate PLC with minimum supervision & able to troubleshoot equipment on their own using the PLC.

WHO SHOULD ATTEND

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



ADMINISTRATION DETAILS

*SBL KHAS Programme No: TBA
Training Provider: 475427W_KEDAH*

Dates : TBA, 2023 (4-DAYS)

Time : 9.00 am – 5.00 pm

Venue : AA&AT Training Centre, Sungai Petani

Fees :

FMM Members – RM 2,385.00 per participant

Non Members – RM 2,597.00 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

Time Frame	Content
0900 - 1000	Introduction <ul style="list-style-type: none"> Introduction session Ice Breaking session Title: PLC Control System & Troubleshooting Method
1000 - 1030	Morning Break
1030 - 1300	<ul style="list-style-type: none"> Objectives of the training Introduction to PLC Control System & Troubleshooting Method
1300 - 1400	Lunch Break
1400 - 1500	Activities Title: PLC Control System <ul style="list-style-type: none"> Introduction PLC Configuration Type of PLC Creating a file Setup setting Input/Output
1500 - 1530	Evening Break
1530 - 1700	Activities Title: PLC Control System (Continue) <ul style="list-style-type: none"> PLC Ladder diagram <ul style="list-style-type: none"> LD LDI OR ORI System code <ul style="list-style-type: none"> Relay (M) Timer (T) Set/reset PLS PLF
1700 - 1730	Solat Asar
8 Hours	

DAY 2

Time Frame	Content
0900 - 1000	Activities Title: PLC Control System (Continue) <ul style="list-style-type: none"> PLC Ladder diagram Star - Delta circuit
1000 - 1030	Morning Break
1030 - 1300	Activities Title: PLC Control System (Continue) <ul style="list-style-type: none"> PLC Ladder diagram Timer & Counter
1300 - 1400	Lunch Break
1400 - 1500	Activities Title: PLC Control System (Continue) <ul style="list-style-type: none"> PLC Ladder diagram Interlock Circuit
1500 - 1530	Evening Break
1530 - 1700	Assessment Activities To check all the participant understanding by demonstrating all the above
1700 - 1730	Solat Asar
8 Hours	

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



SESSION PLANNING & SCHEDULING

DAY 3 (In Manufacturing Plant Workshop)

Time Frame	Content
0900-1700	Practical Activities <ul style="list-style-type: none"> To perform PLC wiring I/O check Upload/Download Programme Design simple diagram Test system
	Morning/Lunch/Evening Break
1700 - 1730	Solat Asar
8 Hours	

DAY 4 (In Manufacturing Plant : Selected by Participant)

Time Frame	Content
0900 - 1700	Practical Activities <ul style="list-style-type: none"> Troubleshooting Method
	Morning/Lunch/Evening Break
1700 - 1730	Solat Asar
8 Hours	

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



PLC CONTROL SYSTEM & TROUBLESHOOTING METHOD

Date : TBA 2023

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