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Course Title: PLC OMRON (CX-PROGRAMMER)		Course Code : EEA 103 (iii)
<u>Course Background/Summary:</u>		
The course focuses mainly on the fundamentals and basic concepts of Programmable Logic Controller (PLC). PLC theory, operation and commonly used PLC functions are covered in detail. Among topics covered is focusing on the PLC application process from the configuration and programming (ladder diagram) where all parts are interrelated and as a domain to control actuators and electrical machine.		
<u>Course Objectives:</u>		
<ul style="list-style-type: none">▪ Exposed to the basic concept of PLC (Omron) hardware, including the structure, working operation, advantage and disadvantages of PLC compared to Electrical control technique.▪ Explain the structure, concept, working operation, advantage and disadvantages of PLC compared to the electrical control technique.▪ Demonstrate and perform how to download, do wiring and connection to a PLC with actuators.▪ Perform the PLC knowledge and skills through the automation system i.e FMS system / MAP system		
Target Audience: Academician, teaching staff, technician		
Course Duration :		Min : 3 days
Course Contents :		
No	TOPICS	
1.	1.1 : Introduction to PLC (theory) 1.2: Basic Structure & Hardware 1.3 PLC wiring	
2.	Fundamental of Logic Programming 1: 2.1:Logic functions (AND, OR, NOT) 2.2:Ladder diagram (LD)	

UniKL MSI can also customize existing short courses and develop new courses to meet your personal training needs and requirements. The course duration serves as a guideline for your reference.

Please forward enquiries to Centre for Advancement & Continuing Education (ACE), University Kuala Lumpur (Malaysian Spanish Institute), Kulim Hi-Tech Park, 09000 Kulim, Kedah or via fax to:04-4032539 or email to syazrah@unikl.edu.my or call 04-4035199 / 200 (ext:112 / 185)



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3.	Fundamental of Logic Programming 2: Sequential
4.	Programming 3: Timer and Counter
5.	Programming 4: Application thru FMS series system / MAP series system
COURSE STRUCTURE:	
Practical :	60%
Theory :	40%

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