



UNIVERSITI KUALA LUMPUR
MALAYSIAN SPANISH INSTITUTE

(The contents and other related details in this form is used for publication purpose only. Training module will be given to participants upon registration)

Course Title: ADVANCED MANUFACTURING TECHNOLOGY		Course Code :	EEA 126
Course Background/Summary :			
This subject is a combination of PLC, robotics, FMS and other basic automation system. Participants will be exposed to PLC hardware and software. Almost all PLC programming will be in digital programming. For automation system, participants will learn on two basic concepts of automated manufacturing system such as robotics and FMS.			
Course Objectives:			
<ul style="list-style-type: none"> • Familiarize with the Automation system, e.g. FMS (Flexible Manufacturing System); functionality features etc. • Explain the structure, concepts, working operation and the advantages and disadvantages of PLC compared to the electrical control techniques. • Familiarize students with automated manufacturing systems. • Demonstrate how to configure PLC with other devices, download and testing the output result. 			
Target Audience:			
Personnel involved in the design, installation or maintenance of systems that contain pneumatic, electro-pneumatic and PLC equipments.			
Course Duration :		Min:3 days, Max:5 days	
Course Contents :			
No	TOPICS		
1	Introduction to automated systems: Automated manufacturing overview, Components in automation		
2	Introduction to PLC: Fundamental of Logic, Basic of PLC Programming		
3	Automated systems: Introduction to Robotics, Automated work cell e.g. FMS Application		
COURSE STRUCTURE:			
Practical :		60%	
Theory :		40%	

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)