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: MICROPROCESSOR FOR INDUSTRIAL APPLICATION	**Course Code :**	**EEA 109**

Course Background/Summary :

This course will provide participants with knowledge about Microprocessor, and the associated devices such as I/Os, memories, RAM, ROM etc. They will be exposed to programming, wiring connectivity, monitoring and measuring I/O signals and troubleshoot the errors encountered with electrical wiring or programming.

Course Objectives:

- Describe functionality of Microprocessor circuits and their associated peripherals, and interpret their programming and give a description about their operation.
- Familiarize with Intel 8085
- Interpret, define and analyze the existing program and describe the expected input, output of Micro Processor

Target Audience:

- Industrial workers from operators, technicians to engineers
- Teaching staffs/instructors

Course Duration :	**Min:3 days, Max:5 days**
Course Contents :	

No	TOPICS
1	Introduction to Microprocessor • What is Microprocessor, why Microprocessor, Types of Microprocessor • Electrical wiring to and from Microprocessor
2	Basic Programming Technique • Initializations programming • Read Registers, Write and Load to Registers • Basic Mathematical Add, Subtract with registers • I/O declarations • Programming "And" , "Or", "NOR" functions and their combination

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)*

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)

3	• Data and I/O Manipulation technique • Jump, compare and Call • Delay On and delay off Timer • Sequence and Loop Programming
4	Analog Systems Programming • Square wave generation • Triangular wave generation
	Learning Project Microprocessor controls • Basic Traffic Light (4 junctions). • Pneumatic System • Robocon Programming, • Analog programming with water level, speed control

COURSE STRUCTURE:	
Practical :	70%
Theory / Lab Works :	30%

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)*