



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: ARDUINO MEGA 2560 FOR MOTOR CONTROL APPLICATION		Course Code : EEA 144
Course Background/Summary : Arduino is one of the best and cheapest embedded microcontroller, but yet powerful tool for automation and control of several engineering applications. This course will introduce and apply the Arduino Mega 2560 for motor control such as AC and DC motor, RC servo motor, stepper motor.		
Course Objectives: <ul style="list-style-type: none">• C Programming of Arduino Mega 2560.• Interface Arduino Mega with buttons, sensors and actuators• Utilize Arduino Mega for Control AC and DC machine, RC servo motor and stepper motor		
Target Audience: <ul style="list-style-type: none">• Electricians, Research assistant/officers, Researchers, Academicians• Technicians & Engineers• Instructors		
Course duration :	Min:3 days, Max:5 days	
Course Contents :		
No	TOPICS	
1	Introduction to microcontroller and Arduino	
2	Basic Theory on AC and DC machine, RC servo motor and stepper motor	
3	Interfacing Arduino with sensors and actuators of electrical machine devices	
4	Arduino C programming motor control	
COURSE STRUCTURE:		
Practical :	65 %	
Theory :	35 %	

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), Universiti 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)