



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 FOR CONTROL SYSTEM APPLICATION		Course Code : EEA 142
Course Background/Summary : Arduino is one of the best and cheapest embedded microcontrollers, but yet powerful tool for automation and control of several engineering applications. This course will introduce and apply the Arduino Mega, 2560 for control system application such as speed, position, level and temperature control.		
Course Objectives: <ul style="list-style-type: none">• C Program of Arduino Mega 2560• Interface Arduino Mega with sensors and actuators• Utilize Arduino for Control speed, position, level and temperature• Theory knowledge of control system		
Target Audience: <ul style="list-style-type: none">• Electricians, Research assistants, Research officers, Researchers, Academicians• Technicians and Engineers• Instructors		
Course duration :	Min:3 days, Max:5 days	
Course Contents :		
No	TOPICS	
1	Introduction to Microcontroller and Arduino	
2	Basic Theory on Control System	
3	Arduino data transfer and communication with MATLAB/Simulink	
4	Arduino C programming	
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)