



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: DSP with MATLAB/SIMULINK FOR CONTROL SYSTEM SIMULINK FOR CONTROL SYSTEM APPLICATION		Course Code :	EEA 151
Course Background/Summary : Matlab/Simulink has been widely used in Engineering research environment due to the ability of the software for complex computation in several engineering fields. This course will introduce participants on how make use of DSP (Digital signal processing from Texas instrument (TMS2385) for control system application. The program is done through TARGET using MATLAB/Simulink. The study system will be speed, position, and level.			
Course Objectives: <ul style="list-style-type: none">• Program DSP using Target method with MATLAB/Simulink• Download Program to DSP TMS2385• Interface DSP with sensors and actuators• Utilize DSP in target mode for Control speed, position, level and temperature			
Target Audience: <ul style="list-style-type: none">• Electricians, Research assistant, research officer, Researcher, Academicians• Technicians & Engineers• Instructors			
Course duration :		Min:3 days, Max:5 days	
Course Contents :			
No	TOPICS		
1	Introduction to PIC microcontroller and DSP instrument		
2	Basic Theory on Control System		
3	DSP programming data transfer using MATLAB/Simulink		
4	DSP programming with MATLAB/Simulink in target mode		
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)