



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: MECHATRONICS SYSTEM TROUBLESHOOTING	Course Code :	EEA 177
<u>Course Background/Summary :</u> <p>The course focuses on the automation system which including programmable logic controller. It covers both theory and practical which related which form the basic for automated system application. This course will provide participantss with the knowledge and practical skills which required for maintenance / trouble shooting technique.</p>		
<u>Course Objectives:</u> <p>At the end of this training, the participants will be able to:</p> <ul style="list-style-type: none">• Identify main elements in a mechatronics system• Read, analyse and utilize the technical documents such as data sheets, timing diagrams, operation manuals, schematics, etc. for a mechatronic system• Trace and describe the flow of energy in a given mechatronic system or subsystem.• Carry out measurements on electrical components in a mechatronic system.• Correctly localize, identify and document causes of malfunctions in mechatronics system, based upon the technical documentation.		
Target Audience: <p>Technical personal, engineers, technicians, teaching staffs (vocational & technical teachers), lecturers, and students who wish to learn about mechatronics system troubleshooting.</p>		

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)



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Course Duration :	Min:3 days, Max:5 days
Course Contents :	
No	TOPICS
1	Mechatronics system overview
2	Mechatronics system documentation
3	Energy flow in mechatronics system
4	Basic measurement
5	Systematic system troubleshooting
6	Fault finding exercise
COURSE STRUCTURE:	
Practical :	60%
Theory :	40%

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