



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: ELECTRICAL DEVICE CONTROL		Course Code : EEA 108
Course Background/Summary :		
<p>This subject is designed to provide participants with a clear and refined understanding of electrical devices used in motor control technology. They will be guided in the usage and fixtures of electrical items, as well as wiring installations. Health and safety aspects are incorporated into the modules to provide participants with knowledge on performing work functions with due care. This subject provides a practical introduction to the standard methods and techniques of assembly and wiring of electrical and electromechanical control panels and equipment.</p>		
Course Objectives:		
<ul style="list-style-type: none"> • Describe the functions of different elements used in motor control technology • Describe all components used in the construction of the control circuit of electric motor • Construct the electrical wiring according to the schematic diagram 		
Target Audience		
<ul style="list-style-type: none"> • Industrial workers from operators, technicians to engineers • Teaching staffs (vocational & technical teachers) 		
Course Duration	:	3 DAYS
Course Contents	:	
No	TOPICS	
1	Electrical control: <ul style="list-style-type: none"> • Control circuit • Electrical symbols • Line diagram 	
2	Components employed in composing electrical automations: <ul style="list-style-type: none"> • Relays • Contactors • Sensors and actuators 	

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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	<ul style="list-style-type: none"> • Protections used • Electrical Symbols
3	Design techniques of wired automatic devices, control and power
4	Practical/hands on: <ul style="list-style-type: none"> • Behavior of relay and contactor • ON-OFF control • Forward reverse control • Sequence control • Sensor and limit switch • Contactor and timer control (traffic light case study)
COURSE STRUCTURE:	
Practical :	80%
Theory / Lab Works :	20%

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