



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: Model Making Technique in Product Design	Course Code :	MEC 118
<u>Course Background/Summary :</u> This course describes the processes involve in designing a product starting from idea creation, analysis of design resources, browsing through operating Computer Aided Design software and finally developing a product using Rapid Prototyping technique.		
<u>Course Objectives:</u> At the end of this training, the participants will be able to: <ul style="list-style-type: none">• Become familiar with the terminology used product design, development of prototype and production of products in the manufacturing environment.• Become familiar with Computer Aided Design software to design and visualize intended product to be designed.• Determine the type of material to be used in the intended product.• Become familiar with the range of applications of CAD software and Rapid Prototyping Machine.• Will have basic ability in using CAD software and converting ideas into product.• Become familiar with the role and function of product designers.		
Target Audience: Technical managers, scientists, engineers, technicians and research students who wish to learn about optical-sensing technology and review their implementation and applications for industry uses. The course is also suitable to gain an overview of the field, for marketing and technical personnel wishing to examine prospects in the optical sensing area.		
Course Duration :	Min:3 days, Max:5 days	
Course Contents :		

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)



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)

No	TOPICS
1	Idea creation – Turning ideas into reality.
2	Understanding user requirements- function versus features.
3	Cross-functional design management, simultaneous engineering.
4	Value Analysis, Design for Competitive Advantage and Design for Manufacturing
5	Getting along with Computer Aided Design(CAD) Software (Solidworks).
6	Rapid Prototyping(RP) Technique using 3D Printer and RP Machine.
7	Practical works in generating product using CAD and RP.
COURSE STRUCTURE:	
Practical :	60%
Theory :	40%

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)