

VIRTUAL ONE DAY COURSE ON **RAPID PROTOTYPING FOR PRODUCT DEVELOPMENT**

BEM APPROVED CPD: 6 REF NO : IEM23/HQ/108/C (w)

ORGANISED BY :
PROJECT MANAGEMENT TECHNICAL DIVISION, IEM

30 SEPTEMBER 2023, SATURDAY
(rescheduled from 16 May 2023 & 23 Sep 2023)

9.00AM - 5.00PM

SPEAKER:

**Ir. ASSOC PROF. DR. ABANG
ANNUAR EHSAN**



*E-cert will
be provided*

**CLOSING DATE :
22 SEPTEMBER 2023**

	ONLINE (Log-in for registration & payment: www.myiem.org.my/member/login.aspx)	NORMAL FEE (by fax & email) Payment by cash, credit card and bank-in
IEM Student Member	75.00	90.00
IEM Graduate Member	125.00	150.00
IEM Corporate Member	200.00	225.00
Non-IEM Member	480.00	540.00

Follow Us:



Telegram
MyIEM HQ Official - General



Instagram
myiem_official

OVERVIEW:

Rapid prototyping or RP is a collection of processes used to fabricate a model, part or tool in minimum possible time. RP involves the creation of not only conceptual but also functional prototypes. Rapid changes in products require businesses to greatly adopt RP to create new product ideas early. The course provides the participants an overview of the rapid prototyping process and its application to the product development environment. Participants will be able to comprehend the importance of RP in product development and able to select a suitable RP process for making prototypes including subtractive manufacturing process and additive manufacturing processes.

OBJECTIVE:

- To understand the concept of product development and rapid prototyping
- To adopt concept development process in product development
- To select a rapid prototyping process for producing conceptual prototypes

LEARNING OUTCOME:

- Explain the main concepts and methods in product development and rapid prototyping processes
- Apply the processes in the concept development to develop prototypes early in the product development project
- Evaluate and adopt rapid prototyping process for conceptual prototypes

TARGET GROUP:

- Design / product engineers Academics
- Managers College/University's students
- Entrepreneurs Researcher

PROGRAMME CONTENT:

- Introduction to Rapid Prototyping
- Product Development
- Concept Development
- Subtractive Manufacturing
- Additive Manufacturing

Cancellation Policy

No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with 7 days prior notification and substitute will be charged according to membership status.

Personal Data Protection Act

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

COURSE OUTLINE:

Time	Content
9.00 – 10.00	Introduction to Rapid Prototyping
10.00 – 10.45	Product Development
10.45 – 11.00	Break
11.00 – 12.00	Product Development (continue)
12.00 - 1.00	Concept Development
1.00 – 2.00	Lunch Break
2.00 – 3.30	Subtractive Manufacturing
3.30 – 3.45	Break
3.45 – 5.00	Additive Manufacturing

SPEAKER'S PROFILE:

Ir. Assoc Prof. Dr. Abang Annuar Ehsan works as a research fellow at the Institute of Microengineering and Nanoelectronics (IMEN), Universiti Kebangsaan Malaysia. He holds a BE in electrical engineering (UNSW), MSc in microelectronics (UKM), ME in manufacturing system engineering (UPM), MPM in project management (OUM), PhD in applied science (UiTM) and PhD in microengineering and nanoelectronics (UKM). His research interest includes fiber optics devices, optical design, additive manufacturing (3D printing) and micromachining processes.

Dr. Abang Annuar Ehsan has more than 15 years of project management experiences in leading research projects including fundings from MOHE, MOSTI, MTDC and MITI. Dr. Abang Annuar Ehsan conducts academic courses in UKM in particular in subjects such as research methodology, applied nanoelectronics, 3D printing, photonics technology and project planning. He is active in product development activities in UKM and has collaborated with industries in developing products based on his research work in UKM. He holds 6 patents on optical devices and 3D printing system. Prior to working in UKM, he has worked with Mimos Semiconductor and Celcom Timur among others.

Dr. Abang Annuar Ehsan is a registered professional engineer (P.Eng.) under the Board of Engineers Malaysia (BEM) and a certified project management professional (PMP) under the Project Management Institute (PMI, USA). Dr. Abang Annuar Ehsan is also a TTT certified trainer under Pembangunan Sumber Manusia Berhad (HRDF).

Chairman,
Project Management Technical Division
The Institution of Engineers Malaysia,
Lots 60 & 62, Jalan 52/4,
46720 Petaling Jaya, Selangor Darul Ehsan
Tel: 03-7968 4005 Fax to 03-7957 7678
Email: ezzaty@iem.org.my

Website: www.myiem.org.my

REGISTRATION FORM

VIRTUAL ONE DAY COURSE ON
RAPID PROTOTYPING FOR PRODUCT DEVELOPMENT
30 September 2023 (Saturday) - rescheduled from 16 May 2023 & 23 Sep 2023
Closing Date : 22 September 2023

No	Name(s)	Email	Membership No.	Grade	Fee (RM)
SUB TOTAL					
+ 6% SST					
TOTAL PAYABLE					

PAYMENT DETAILS :

- Cash RM _____
- Cheque no. _____ for the amount of RM _____ (non-refundable) .

FULL PAYMENT must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. The Registration Fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS**, please note that payment **MUST** be made **BEFORE the closing date**. If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.

Contact Person: _____ Designation: _____

Name of Organization: _____

Address : _____

Telephone No. : _____ (O) _____ (Fax No.)

_____ (H) _____ (HP)

Email : _____

Signature & Stamp

Date