




## Second Technical Committee Meeting



10<sup>th</sup> of February & 12<sup>th</sup> of February

9:00am – 5:00pm

Northern (USM) | Central (IME) | Southern (UTHM)

Organized By: 

Sponsored By:   

## Meeting Agenda

Time		Program
8:30am	9:00am	Registration & Breakfast
9:00am	10:30am	Design Competition Briefing
10:30am	10:45am	Tea Break
10:45am	1:00pm	Train of Trainer
1:00pm	2:00pm	Lunch
2:00pm	5:00pm	Train of Trainer

## Organising Committee

Roles	Name
Advisor	Prof. Datuk Dr. Ahmad Yusoff bin Hassan
Organising Chairman	Cheang Yew Kay
Technical Expert	Martin Mueller
Education Leader	Low Khai Shin
Program Manager	Carl Lim
SolidWorks Technical Support	Suhaila Sooid
CATIA Technical Support	Muhammad Syaiful

## **A. DESIGN THEME**

We are looking for a product design that will ease the lives of Malaysians during natural disasters or accidents.

## **B. OBJECTIVES**

1. To discover design talents and unleash their creativity in product design and innovation.
2. To demonstrate the capabilities of the industrial problem solving.
3. To promote innovation in 3D design in institutes of higher learning (IHL) and industry.

## **C. DESIGN REQUIREMENTS**

1. The end product should be portable and prove to solve difficult situation during natural disaster or accident.
2. The end product should have a duration of use of at least 3 to 6 months.
3. Prototyping the product.
4. Total production cost can be equal or less than RM500.
5. Must include proof of concept.
6. Using SolidWorks or CATIA tool.
7. The product design must take consideration of manufacturability.

## **D. MODELLING REQUIREMENTS**

1. Must be designed in 3D.
2. Must be designed using SolidWorks / CATIA software.
3. Must be designed from scratch using SolidWorks / CATIA. Use of imported geometry is not allowed except for standard or purchased parts.

## **E. REGISTRATION**

Registration is open to all undergraduate students who are pursuing certificates, diploma or degree program in institutions recognized by the Malaysian Government.

## **F. COMPETITION PERIOD**

Registration Period : 10<sup>th</sup> February – 15<sup>th</sup> April

Idea Generation Workshop : 30<sup>th</sup> of April\*

Design Submission Deadline : 15<sup>th</sup> July 2015

Grand Finale : 23<sup>rd</sup> of September

\*Please visit [www.cadcam.com.my](http://www.cadcam.com.my) for latest updates of important dates & events.

## **G. TERMS & CONDITIONS**

1. Entry submission must be submitted by an individual or a maximum of THREE (3) persons per group.
2. Each institution may select the Best FIVE (5) entries to participate in this competition.
3. Complete SolidWorks or CATIA database required to be submitted. Incomplete database will result in deduction of marks.
4. Entries will be judged by panel of judges, comprising of the representatives from IME, industry associations and partners.
5. The participating institution or company shall approve the use of images created from parts and assemblies provided by the student or engineer (thereafter known as participant) for use in marketing materials to be produced by the organiser and its assigns. Participant grants the organiser and its affiliates, and assigns, the right to use, reproduce, or incorporate in any manner whatsoever all or any portion of the aforementioned images.
6. Participant represents and warrants that the materials are owned by the student participant and is free and clear of any liens or claims of any third-party, that the participant has a legal right to grant the permission herein given, and the participant will indemnify and hold harmless the organiser, its affiliates, assigns, agents, and employees, against liability should any third-party claim that the use of the materials by the organiser and its affiliates, assigns, agents, and employees, violates any right of such third party to the materials.
7. The participating institution or company shall hereby grant the organiser permission to cite this institution on a general client list for possible distribution to the press, analysts, prospects, and other customers.
8. The organiser shall not be held liable and responsible for any damages or claims for any damages or loss of documents or products before or after the competition.
9. All participants are encouraged to register their designs under the relevant industrial design and intellectual property laws in force in Malaysia and to keep all documentations as proof of ownership before sending and displaying their designs to the organiser.
10. The organiser shall inform the participants if their submissions are selected for further development.
11. The organiser and/or panel of judges reserve the rights to alter competition terms and conditions which deemed necessary, in the best interest of this competition.

## **H. JUDGING CRITERIA**

1. Creative & innovative design - 40%
2. Ability to proof of concept - 40%
3. Ability to apply systematic design methodologies and market research - 20%

*\*Top 10 finalists will be short listed based on the first three criteria.*

*\*All finalists must submit prototype on final presentation.*

*\*The judging criteria above will be reevaluated during finals with an additional 10% on stage presentation.*

## **I. SUBMISSION REQUIREMENT**

1. 3D SolidWorks or CATIA Model (the model must be 100% created from SolidWorks or CATIA)
2. 2D Drawing for main assembly with basic dimension, BOM, section view, exploded view with critical portion.
3. Design & Idea Development Report that contain:
  - The study & research (market research, background study and etc)
  - Design Methodology.
  - Proof of concept (can include image or animation).
  - Design advantages highlight.
4. You must include your SolidWorks or CATIA product serial number to create the design & modeling.
5. High resolution images: Images must at least 300 DPI and approximately 86 x 64 mm (3.4 x 2.5 inches) in size, or greater; or the image must be large enough so that the density will be print quality when the image is reduced to these dimensions. The preferred formats are JPEG and TIFF with preferred image dimensions of approximately 1800 x 1200 pixels, or greater.

## **I. SUBMISSION METHODS & FORMAT**

1. Save files in a main folder: Design Folder Name (University name\_Faculty\_Group Name)
2. Create 6 sub folders with EXACT folder names as below:

<b>FOLDER NAME</b>	<b>DESCRIPTION</b>
SolidWorks / CATIA Design Data	Use pack and go to store SolidWorks/CATIA parts, assembly drawing files, image for photo-rendering and
Photo Rendering	To store rendered image.
E-drawing	To store e-drawing file.
Video	To store avi file.
Design & Ideas Development Report	To store document in Microsoft Word format.
SolidWorks / CATIA Serial Number	To store print screen image of SolidWorks/CATIA serial

3. Submit your files by:
  - Zipping all files and send to [imedc2015@cadcam.com.my](mailto:imedc2015@cadcam.com.my)
  - (hand-over/postage) to organizing committee or
  - Submit to Organizer office at:

**30, Jalan PJS 1/46, 46150 Petaling Utama**

**Petaling Jaya, Selangor Darul Ehsan**

## **K. CONTACT INFORMATION**

General Enquiry: 03-7783 6866 (ext 121 or 136)

SolidWorks Technical: Suhaila (ext 147)

CATIA Technical: Syaiful (ext 129)