IME CADCAM TRAINING CENTRE SDN BHD

3D design certification course

Who should attend:

Draughtsman, Design Engineer, mechanical engineer, and manager

Duration:

6 Days

Trainer:

Certified SOLIDWORKS trainer

Methodology:

PowerPoint slide, Practical hands-on by using computers, lecturing, discussions, and case studies.

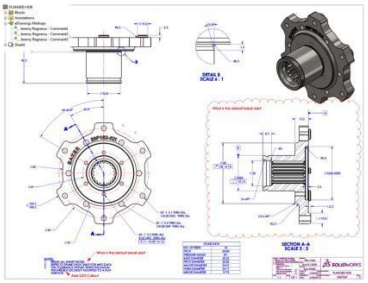
Introduction

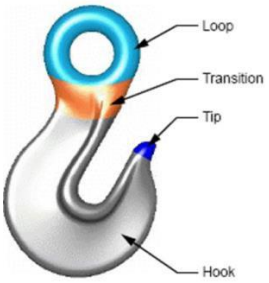
This 6-day program **3D design certification course** will discuss the fundamental solid modeling technique involve in product design, the different techniques for creating freeform product design and the different techniques to maximize the productivity of the assembly modeling.

At the end of the training, participant will sit for Certified SOLIDWORKS Professional- CSWP exam. The completion of the Certified SOLIDWORKS Professional- CSWP exam proves that you have successfully demonstrated your ability to use the SOLIDWORKS 3D CAD.

Objective

- Understand and applying the product design intent for creating a solid model.
- Validate and improve an existing product design.
- Prepare standard drawing template.
- Able to create complex product design with innovative modeling technique
- Understand different modeling techniques to create a family of assembly components.





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Bridging University to Industry

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3D DESIGN CERTIFICATION COURSE

Key Topics

Day 1

Advance part modelling

- Multibody Design techniques
- Saving solid bodies
- Sketching with splines

Day 2

Advance part modelling

- Introduction to sweeping
- Working with curves
- Advanced sweeping

Day 3

Advance part modelling

- Boundary feature and lofting
- Advanced filleting and other features

Day 4

Advance assembly modelling

- Advanced mate techniques
- Top-down assembly modelling
- Assembly features, smart fasteners, and smart components

Day 5

Advance assembly modelling

- Assembly editing
- Using configurations with assemblies
- Display states and appearances

Day 6

Advance assembly modelling

- Large assemblies
- Using SOLIDWORKS treehouse
- Layout-based assembly design

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