



3D SOLID MODELING

FOR INNOVATION DESIGN CERTIFICATION PROGRAM

MATA 3D Solid Modeling for Innovation Design Certification Program offer members the opportunity to up skill and be more proficient in their design and modeling technique, and to be more productive. This training offers 3D modeling design skills which cover the fundamental up to advance skill, which is suitable for member who are using 2D and moving up to 3D.



*First come
First serve basis,
limited seat available.*

COURSE OBJECTIVE

- Upskill current 2D drafting skill to 3D modelling technique for innovation design.
- Enhance the effectiveness in modeling and designing machinery and automation.
- To increase productivity and reduce design error, meanwhile improve product quality.

COURSE STRUCTURE

Duration: 10 days

Training date (choose either 1 class below):

1st class October 2017

- 09th – 13th Oct'17
- 23rd – 27th Oct'17

2nd class November 2017

- 08th – 11th Nov'17
- 16th – 18th Nov'17
- 23rd – 25th Nov'17

WHO SHOULD ATTEND

Engineer
Draftsman
Designer
2D CAD user



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EXTERNAL EXAMINATION

Certified SOLIDWORKS Professional (CSWP) will be conducted at the end of the training.

COURSE CONTENTS

ESSENTIAL 3D MODELING

This course is to help you to understand basic 3D modelling techniques and features which include 2D sketches to 3D solid modeling and latest technical drawing creation.

- Able to understand and 3D CAD interface and design intents.
- Able to model a 3D parts using commonly used features.
- Able to build an assembly which involve mechanism.
- Able to produce technical drawing from 3D model.

ADVANCED PART MODELING

This course is to help you to learn advance part modeling features and techniques, which include multi bodies, curves and advanced filleting.

- Able to apply advance modeling features for complex part design.
- Multi body design, working with curves, sweeping, lofting and advanced filleting and etc.

ADVANCED ASSEMBLY MODELING

This course is to help you to understand advanced mate technique, top down assembly modeling for machinery/ automation, smart features and handling large assemblies.

- Able to apply top-down assembly technique into machine design.
- Able to apply advanced mate/relationship to build mechanical movement in assembly.

AWARD OF CERTIFICATION

Participants are required to meet the 80% course attendance requirement to qualify to sit for Certified SOLIDWORKS Professional (CSWP). Upon successful completion of the course and its examination, participants will be awarded as CSWP issued by Dassault Systemes SOLIDWORKS.

