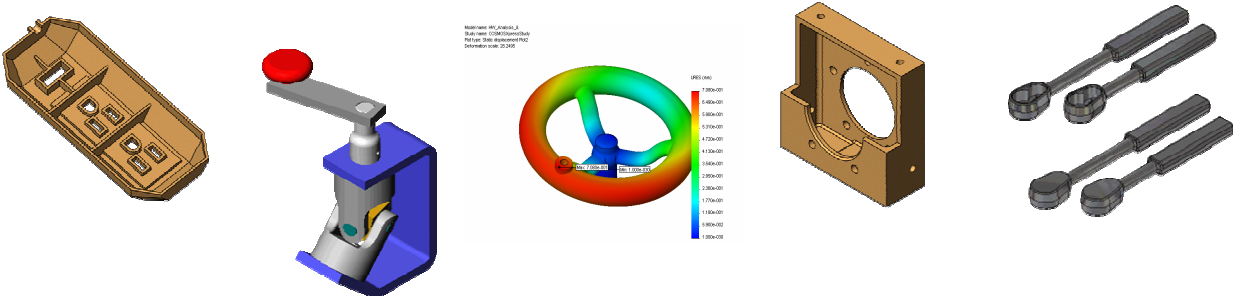


SOLIDWORKS 2010 Essentials

Objective: The SolidWorks Essentials course will discuss the fundamental solid modeling technique involve in product design. This will include: -

- Understanding and applying the product design intent for creating a solid model.
- Modeling the product desired outlook by using different modeling approach.
- Designing casting products such as a ratchet body by considering the manufacturing aspect.
- Learn how to validate and improve an existing product design.
- Strengthening the consumer product design by adding ribs such as a multiple extension plug.
- Interpreting and resolving common modeling errors during detail design stage.
- Learn to redesign an existing product design efficiently.
- Exposed to the different techniques for creating a series of product.
- Building the final project model to demonstrate the desired mechanism.
- Learn about basic drafting technique to represent different view of a product design.
- *Applying different types of corner to improve the appearance of your product design.*
- Creating different type of drawing views with dimensions and annotations for documenting the solid model design intent
- Prepare standard drawing templates according to company standard for reuse in different projects
- Prepare complete Bill of Material templates with custom properties for easy documentation for a project models
- Introduce new window interfaces for comparing revised drawings and checking drawing standards



TARGET

- ✓ Application engineer
- ✓ R&D engineer
- ✓ Product designer or engineer
- ✓ Industrial engineer

METHODOLOGY

Practical hands-on with using computers, lecturing, discussions and case studies

PREREQUISITE

To ensure a consistent learning experience for all students, participants should have:

- ✓ **Mechanical design experience**
- ✓ **Experience with the Windows™ operating system.**
- ✓ **Basic understanding of part design and drafting**

DURATION – 5 DAYS

PETALING JAYA

22A, Jalan PJS 1/46
 46150 Petaling Jaya
 Selangor
 Tel: + 60 3 – 7783 6866
 Fax: + 60 3 – 7781 1185

PENANG

68A Jalan Prai Jaya 4
 Bandar Prai Jaya, 13700 Prai
 Penang
 Tel : + 60 4 – 399 5571
 Fax : + 60 4 – 399 5572

JOHOR

11-A, Jalan Jati 2, Taman Nusa
 Bestari Jaya Bandar Nusa Jaya
 81300 Skudai, Johor
 Tel: + 60 7 – 512 7978
 Fax: + 60 7 – 512 2162