SIEMENS SOLID EDGE ESSENTIAL TRAINING

Objectives

This 3-day training course provides an overall view of the concepts and techniques to create 3D model, assembly and drawing using the latest version of Siemens Solid Edge software. After completing this course trainee will be able to:

- ✓ Use Solid Edge for daily working process
- ✓ Understand the concept and techniques to design 3D model
- ✓ Create multiple designs using several of tools
- ✓ Understand how to work on assembly
- ✓ Understand how to work on draft (Drawing)

Duration
3-Day

Training Programme Day 1

Chapter	Topic	Duration	Time
Chapter 1	**User Interface Basic** • Tour the Solid Edge user interface • Changing model view direction using shortcut keys • Finding commands in Solid Edge • Customize your workspace	**2-Hours**	**09.00 AM - 11.00 AM**
Chapter 2	**Sketching** • 3D Sketching overview • Sketch plane locking • Drawing commands • Sketch geometric relationships • Dimensioning sketches • Sketching instructional activities	**2-Hours**	**11.00 AM – 01.00 PM**
Chapter 3	**Constructing base features** • Part modelling: Tips for getting started • Creating base features • Creating subsequent features • Coordinate systems • Activities on 3D	**3-Hours**	**2.00 PM – 05.00 PM**

Training Programme Day 2

Chapter	Topic	Duration	Time
Chapter 4	**Moving and rotating faces** • Moving synchronous faces • Selecting faces • Activity Live Section	**2-Hours**	**09.00 AM - 11.00 AM**
Chapter 5	**Working with face relationships** • Workflow for relating faces • Creating face relationships • Detected face relationships • Activity overview: Synchronous editing scenarios	**2-Hours**	**11.00 AM – 01.00 PM**
Chapter 6	**Constructing functional features** • Pattern features • Rectangular Pattern command (3D features) • Hole command (synchronous) • Cutting, copying, and pasting model elements • Mirror on the feature • Activity: Functional features in consumer products	**3-Hours**	**02.00 PM – 05.00PM**

Training Programme Day 3

Chapter	Topic	Duration	Time
Chapter 7	**Constructing treatment features** • Rounding and blending • Chamfer command • Thickening and thinning parts • Activity: Model an oil pan	**2-Hours**	**9.00 AM - 11.00 AM**
Chapter 8	**Modeling synchronous and ordered features** • Modeling synchronous and ordered features • Moving ordered features to synchronous • Activity: Creating ordered features • Activity: Creating both ordered and synchronous features in a model	**2-Hours**	**11.00 AM – 1.00 PM**

		Duration	Time
Chapter 9	**Modeling assemblies** • Placing parts in assemblies • Understanding Assembly relationships • The Assemble command • Designing in the context of an assembly • Activity: Positioning assembly parts using the connect relationship • Activity: Positioning assembly parts using the angle relationship	**1-Hours**	**02.00 PM - 03.00 PM**
Chapter 10	**Creating detailed drawings** • Using the Drawing View Creation Wizard • Creating different types of drawing views • Drawing sheets, properties, and formatting • Activity: Drawing view placement • Dimensioning overview • Annotations overview • Parts lists of drawing • Activities: Detailing a drawing	**2-Hours**	**03.00 PM – 05.00 PM**