

Course Title: 3D Modeling Using Solid Works
Course Code: DS 113
Course Background / Summary:

This training introduces SolidWorks software as a 3-D design tool. Covers creation, retrieval and modification of 3-D and layout drawings using basic Solid Works commands. Includes skills needed to create parametric models of parts and assemblies; generate dimensioned layouts; and Bill of Materials of those parts and assemblies.

Course Objectives:

- Demonstrate competency with multiple drawing and modification commands.
- Create three-dimensional solid models.
- Create three-dimensional assemblies incorporating multiple solid models.
- Apply industrial standards in the preparation of technical drawings.

Target Audience:

- Management Level/ Supervisory Level/ Supporting Staffs

Course Duration: 3 Days
Course Contents

1.0 Basics and User Interface	7.0 Shelling and Ribs
2.0 Introduction to Sketching	8.0 Editing: Repair and Design Changes
3.0 Basic Part Modeling	9.0 Configurations
4.0 Symmetry and Draft	10.0 Global Variables and Equations
5.0 Patterning	11.0 Using Drawings
6.0 Revolve Features	12.0 Bottom-Up Assembly Modeling