



SOLID EDGE ADVANCE TRAINING

Objectives

The objective of this course is to teach users the advance level of commands and tools necessary for professional 3D part design, assembly and drafting using Solid Edge. The courses in advance level may go into learning more specific of a few background industries.

Pre-requisites

This guide is designed for users of Solid Edge. It is recommended that you have a working knowledge of:

- Microsoft® Windows® 7, Microsoft® Windows® 8 or Microsoft® Windows® 10

The users also need to understand and able to do the fundamental level of Solid Edge before get into Advance level.

TRAINING PROGRAMME DAY 1

Sheet Metal Design

- Sheet metal overview and definitions
- Base Features, Contour Flange
- Flanges, corners and bend relief
- Hem and Jog
- Creating flat patterns
- Activities on Sheet Metal Design

XpresRoute

- Tube design workflow
- Activity: Placing tubes in assembly with XpresRoute
- Use OrientXpres to manually route a tube path and place a tube

Creating a Wire Harness with Harness Design

- Wire harness design workflow
- Activity: Creating a wire harness with Harness Design
- Create a bundle, wire, cable
- Create a Wire Harness Report

TRAINING PROGRAMME DAY 2

Multi-body modeling

- Working with sheet metal design bodies
- Rename a design or construction body
- Multi-body publishing
- Activities on Multi-body

Modeling a Part Using Surface

- Surface construction
- Creating and editing curves
- Surface manipulation tools
- Curve and surface inspection tools
- Activity on Surfacing

TRAINING PROGRAMME DAY 3

Solid Edge Frame Design

- Structural frame design workflow
- Creating the framework
- Automatic frame component positioning
- Editing frames, coping joints, Drafting
- Creating a custom frame component
- Activities on Frame Design

Working with Nailboard

- Creating nail board views
- Editing the flattened geometry in the nailboard view
- Create a connector drawing view
- Create a conductor table
- Activities on Nailboard