SOLID EDGE STRUCTURAL FRAME DESIGN TRAINING

Duration **: 1 Day**

Objectives

The objective of this course is to teach users the basic commands and tools necessary for structural frame design by using Solid Edge. After completing this course users will be able to:

- ✓ Create the 2D framework.
- ✓ Place frame members.
- ✓ Modify a structural frame.
- ✓ Create a structural frame drawing.
- ✓ Create a frames parts list.

Pre-requisites

This guide is designed for new users of Solid Edge 3D Publishing. It is recommended that you have a working knowledge of:

Microsoft® Windows® 7, Microsoft® Windows® 8 or Microsoft® Windows® 10 and Solid Edge Fundamentals

TRAINING PROGRAMME

Chapter 1: Creating framework

- Creating 3D segments
- OrientXpres tool
- Activity: Using OrientXpres

Chapter 2: Placing Frames

- Corner treatment options
- Frame Component location
- Edit cross sections step
- Edit end connections
- Placing frames on collinear path
- Activity: Corner treatment options

Chapter 3: Automatic Frame Component Positioning

- Activity: Automatic frame positioning

Chapter 4: Editing Frames

- Edit definition process
- Editing frame paths
- Editing frame position
- Positioning frames with hot keys
- Angular orientation of the frame
- Editing frame end conditions
- Activity: Editing a corner treatment
- Activity: Editing frame components

Chapter 5: Coping joints

- Activity: Coping joints and collinear paths

Chapter 6: Creating a custom frame component

- Activity: Creating a custom frame

Chapter 7: Drafting

- Activity: Creating a frames parts list