SOLIDWORKS SURFACE MODELING

**PREREQUISITES**
- SolidWorks Essentials, Advanced Part Modeling or equivalent experience.

**LENGTH**
- 2 Days

**DESCRIPTION**
- Surface Modeling teaches students how to build freeform shapes, surface / solid hybrid modeling techniques and repairing imported geometry using SolidWorks mechanical design automation software.

**UNDERSTANDING SURFACES**
- Solids & Surfaces - What’s the difference
- Working with Surface Bodies
- Why Use Surfaces?
- Continuity Explained

**INTRODUCTION TO SURFACING**
- Workflow with Surfaces
- Basic Surfacing

**SOLID SURFACE HYBRID MODELING**
- Hybrid Modeling
- Using Surfaces to Modify Solids
- Interchanging Between Solids & Surfaces
- Surfaces as Construction Geometry
- Making Copies of Faces
- Performance Implications

**ADVANCED SURFACE MODELING**
- Ruled Surfaces
- Lofted Surfaces
- Filled Surfaces
- Handling Design Changes

**BLENDS & PATCHES**
- Complex Blends
- Smoothing Patches
- Boundary Surface
- Freedom Feature
- Corner Blends

**MASTER MODEL TECHNIQUES**
- Working with a Solid Master Model
- SolidWorks Explorer

**REPAIRING & EDITING IMPORTED GEOMETRY**
- Importing Data Methodology and Recommendations
- Repairing and Editing Imported Geometry