

Training Course

MECANICA SOLUTIONS

CATIA V5

ADVANCED DESIGN

OBJECTIVE: Enable users and designers to learn advanced tools of Modeling using complex Solid and Surface features of CATIA V5 to enhance their productivity by reducing modeling time and better control over design modifications. Also learn advanced assembly functions to control complex assembly structures, top to down and down to top assembly concept and modeling in assembly context as per industry standards and practices.

DURATION 5 DAYS

STUDENT PROFILE: CATIA V5 USERS

PRE-REQUISITES: V5 FUNDAMENTALS

TOPIC & DETAILS

TOPIC DURATION

CATIA Surface Design

2 Days

- Introduction to Surface Design
- Creating Wireframe Geometry
- Creating Basic and Complex Surfaces
- Performing Operations on the Geometry
- Completing the Geometry in Part Design, Modifying the Geometry
- Draft Analysis and Surface Curvature Analysis

Part Design Expert

1.5 Days

- Advance Sketch-Based Features
- Using 3D Elements to Create a Part
- Advance Dress-Up Features
- Part Geometry Analysis, Part Manipulations, Annotating Models

Assembly Design Expert

1.25 Days

- Designing and Managing Contextual Parts
- Creating and Using Published Geometry
- Flexible Sub- Assemblies
- Measuring, Sectioning, Clash
- Managing Scenes, Working with Large Assemblies
- Generating Reports, Numbering & Annotations

Drawing Generation Review

0.25 Days

- Advance Drawing Generation Techniques
- Managing Large Assembly Drawings

