



CATIA V5 TRAINING – FABRICATED PART DESIGN (CAT-B06)

Who should attend:

Engineer and designer

Duration:

2 days

Methodology:

Practical hands-on by using CATIA software

Introduction:

In this course you will be exposing the concept of sheet metal design such as the bend allowance, the K-factor and the bend radius rule. You also will learn the implementation of sheet metal by using CATIA Sheet Metal where you will learn all the features involve in creating your fabricated parts.

Objective:

- Understand the terminology and the creation process for sheet metal part design
- Define and manage sheet metal part parameters
- Design walls, bends and flanges
- Add features such as cutouts, holes, corners and chamfers
- Create standard and user defined stamped features
- Manage folded and unfolded views and export a finished flat pattern

Contents:

Getting Started

- Introduction to Sheet Metal Design
- Generative Sheet Metal Design Overview
- Defining Sheet Metal Parameters
- Recommendations for Getting Started

Sheet Metal Features

- Cutouts
- Holes
- Corners and Chamfers
- Standard Stamps
- User-Defined Stamps
- Recommendations for Sheet Metal Features

Sheet Metal Walls

- What is a Sheet Metal Wall?
- Defining the First Wall
- Secondary Walls
- Part Recognition
- Recommendations for Sheet Metal Walls

Transformations and Duplication

- Transformation of Parts
- Patterns
- Mirror
- PowerCopies
- Recommendations for Duplication

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Bends and Unfolded Mode

- Bends
- Unfolded Mode
- Corner Relief
- Recommendations for Bends

Flanges

- Creating Flanges
- Recommendations for Flanges

Mapping and Output

- Point or Curve Mapping
- Output

Advanced Topics in Sheet Metal

- Sheet Metal Standard Files
- Multi-Body Methodology

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