



CATIA V5 TRAINING – V5 DESIGN AUTOMATION ADVANCE (CAT-G02)

Who should attend:

Engineer and designer

Duration:

3 days

Methodology:

Practical hands-on by using CATIA software

Introduction:

DESIGN AUTOMATION ADVANCE TRAINING provides you how to embed knowledge within your designs using Knowledge Advisor tools. You will also learn how to create and store the interactive features and then to reuse and adapt them to a new context.

It also provide you on how to build up the design knowledge, store it in the Rule Bases and leverage it across the company to ensure design compliance with establish standards. You will also learn how to use the Product Engineering Optimization workbench to optimize your designs by formulating and solving an optimization problem, considering the constraints and conditions involved in the problem.

Objective:

- Create and use User Parameters and Formulae.
- Create Rules, Checks and Reactions to control your design.
- Create and use Design Tables to automate the design modifications.
- Create and Reuse Power Copies and User Defined Features.
- Create and Reuse Advanced Instantiation Features like Knowledge Pattern.
- Create Part and Assembly Templates and Reuse them in a new context.
- Use miscellaneous Knowledge Advisor tools.

Contents:

Creating Parameters, Formula and Lists

- Creating User Parameters.
- Creating and Using Formulas.
- Creating Lists.

Creating Reactive Features

- Creating Rules.
- Creating Checks.
- Creating Reactions.
- Running Macros from Rules and Reactions.

Creating and Using Part and Assembly Templates

- Creating a Document Template
- Instantiating a Document Template.

Creating and Using PowerCopies

- PowerCopy Presentation
- Creating a PowerCopy
- Instantiating a PowerCopy.

IME CADCAM TRAINING CENTRE SDN BHD

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Creating Design Table and Part Families

- Creating Design Tables.
- Creating a Part family Catalog.

Using Knowledge Advisor Tools

- Using the Knowledge Inspector Tool.
- Using the Set of Equations Tool.
- Creating and Using Laws.

Creating and Using Knowledge Pattern

- Mechanism of Knowledge Pattern.
- UDF Instantiation.
- Datum Creation.

Managing Standard Components

- Methodology Overview.
- Knowledge Environment Settings.
- ARM Catalogs.
- Choosing the Right Standard Component.

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