



INVENTOR PROFESSIONAL

i Automation Features



Course Description:

This training equips participants with skills to automate design processes using Autodesk Inventor. Covering parametric modeling, the “i” automation features, iLogic rules, and workflow customization, it enables streamlining of repetitive tasks, integration with external systems, and optimization of design processes for enhanced productivity and innovation.

Course Duration:

The duration of the course may vary depending on the level (beginner, intermediate, advanced) and the specific topics covered, but it typically ranges from 8 to 16 Hours.

Learning Objectives:

- Develop proficiency in utilizing Automation features of Autodesk Inventor
- Automate Repetitive Tasks: Learn how to identify repetitive design tasks and implement automation techniques to streamline workflows and save time.
- Customize Workflows: Explore methods to customize workflows in Autodesk Inventor to meet specific project requirements, improving efficiency and consistency.

Prerequisites:

Basic understanding of Autodesk Inventor and CAD design principles.

Topics Covered:

Parametric Modeling

ifeatures

- Efficiently capture and reuse design elements.
- Customize iFeatures for complex geometry

iparts

- Create component families with configurable parameters.
- Manage iParts for organized design libraries.

iassembly

- Automate component placement and configuration.
- Create assembly variations for different scenarios.

imates

- Automate assembly constraints and relationships.

icopy

- Automate repetitive geometry and component creation.
- Utilize advanced features for efficient duplication.

iproperties

- using iproperties to Automate drawing data.

ilogic

- Basic illogic coding
- Creating variables and parameters
- Creating Logical rules
- Creating forms

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