

Technical Education Services

Autodesk Inventor iLogic



Course Length: 2 days

The Autodesk Inventor iLogic training guide instructs students in how to use the iLogic functionality that exists in the Autodesk® Inventor® software. In the practice-intensive curriculum students acquire the knowledge needed to use iLogic to automate Autodesk Inventor designs.

In this training guide, you will learn how iLogic functionality furthers the use of parameters in a model by adding an additional layer of intelligence. By setting criteria in the form of established rules you learn to capture design intent, enabling you to automate the design workflow to meet various design scenarios in part, assembly, and drawing files.

The main topics in this training guide include:

- iLogic functionality overview
- iLogic workflow overview
- Review of model and user-defined parameters, and equations and their importance in iLogic
- Understanding the iLogic interface components (iLogic Panel, Edit Rule dialog box, and iLogic Browser)
- Rule creation workflow for Inventor parts and assemblies
- Using variations of conditional statements in an iLogic rule
- Accessing and incorporating the various function types into an iLogic part, assembly, or drawing file rule
- Event Triggers and iTriggers
- Creating Forms to create a custom user interface for an iLogic rule

For the current course
schedule and to register
for this course:

Web: redstack.com.au

Phone: 1300 667 263

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Prerequisites:

The class assumes a mastery of Autodesk Inventor basics as taught in Autodesk Inventor Introduction to Solid Modeling. The Autodesk Inventor Advanced Part and Assembly Modeling training guides are also highly recommended. No programming knowledge is required to use the basic iLogic functions; however, programming experience can be an asset when using the advanced functions.

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- iLogic Overview
- iLogic Workflow

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- iLogic Interface
- Function Overview
- Rule Creation Workflow

Chapter 4: Rule Creation

- Conditional Statements
- Operators
- Parameter Functions
- Feature Functions • iProperty Functions

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Chapter 5: Assembly Rules and Functions

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Chapter 6: Drawing Rules and Functions

- Drawing Rules
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Chapter 7: Rule Triggering & Form Creation

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Appendix A: iLogic Design Copy

- iLogic Design Copy

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