



TECHHUB SOLUTIONS

...be step ahead in your field

Inventor - Syllabus

Course Content
Module 1: Introduction to Autodesk Inventor ☐ Autodesk Inventor Fundamentals ☐ Autodesk Inventor Interface ☐ Model Manipulation
Module 2: Creating the Base Feature ☐ Creating a New Part File ☐ Sketched Base Features ☐ Primitive Base Features
Module 3: Sketching Geometry ☐ Sketch Geometry
Module 4: Additional Sketching Tools ☐ Advanced Editing Tools ☐ Rectangular Sketch Patterns ☐ Circular Sketch Patterns ☐ Over-Dimensioned Sketches ☐ Sketch Preferences
Module 5: Sketched Secondary Features ☐ Extruded Secondary Features ☐ Revolved Secondary Features ☐ Using Existing Geometry ☐ Editing Sketched Secondary Features ☐ 3D Grip Modification
Module 6: Creating Pick and Place Features ☐ Edge Chamfer ☐ Constant Fillets ☐ Variable Fillets ☐ Face Fillets ☐ Full Round Fillets ☐ Straight Holes ☐ Threads ☐ Editing Pick and Place Features ☐ Creation Sequence ☐ Chapter exercise
Module 7: Work Features ☐ Work Planes ☐ Work Axes ☐ Work Points
Module 8: Equations ☐ Equations ☐ Parameters ☐ Chapter exercise
Module 9: Additional Features ☐ Face Draft ☐ Splitting a Face or Part ☐ Shells ☐ Ribs ☐ Bend Part
Module 10: Model and Display Manipulation ☐ Reordering Features ☐ Inserting Features ☐ Suppressing Features ☐ Section Views ☐ Design Views
Module 11: Fixing Problems ☐ Sketch Failure ☐ Feature Failure
Module 12: Sweep Features ☐ Sweep Features
Module 13: Loft Features ☐ Rail Lofts ☐ Center Line Lofts ☐ Advanced Loft Options
Module 14: Duplication Tools ☐ Rectangular Feature Patterns ☐ Circular Feature Patterns ☐ Mirror Parts or Features ☐ Manipulate Patterns and Mirror Features
Module 15: Feature Relationships ☐ Establishing Relationships ☐ Controlling Relationships ☐ Investigating Relationships ☐ Changing Relationships

Module 16: Assembly Environment

- ☐ Assembling Components using Constraints
- ☐ Content Center
- ☐ Assembly Browser
- ☐ Saving Files

Module 17: Joint Connections

- ☐ Assembling Components using Joints

Module 18: Manipulating Assembly Display

- ☐ Moving and Rotating Assembly Components
- ☐ Suppressing Constraints
- ☐ Component Display
- ☐ Selection Options in Assemblies

Module 19: Model Information

- ☐ Measurement Tools
- ☐ Model Properties

Module 20: Design Presentation and Animation

- ☐ Exploded View Presentations

Module 21: Assembly Tools

- ☐ Replacing Components
- ☐ Restructuring Components
- ☐ Driving Constraints
- ☐ Contact Solver
- ☐ Interference
- ☐ Error Recovery

Module 22: Assembly Parts and Features

- ☐ Assembly Parts
- ☐ Assembly Features

Module 23: Assembly Bill of Materials

- ☐ Create Virtual Components
- ☐ Create Bill of Materials

Module 24: Working With Projects

- ☐ New Projects
- ☐ Resolving Links
- ☐ The Vault Browser

Module 25: Drawing Basics

- ☐ New Drawing Views
- ☐ Manipulating Views

Module 26: Detailing Drawings

- ☐ Dimensions
- ☐ Drawing Sheets
- ☐ Parts List
- ☐ Balloons
- ☐ Styles and Standards
- ☐ Hatching

Module 27: Drawing Annotations

- ☐ Text
- ☐ Symbols
- ☐ Hole and Thread Notes
- ☐ Chamfer Notes
- ☐ Center Marks and Center Lines
- ☐ Hole Tables
- ☐ Revision Tables and Tags

Module 28: Customizing Autodesk Inventor

- ☐ Application Options
- ☐ Document Settings
- ☐ File Properties
- ☐ Changing Part Units
- ☐ Command Customization