

Please Find Course Contents –Syllabus

Autodesk Inventor offers complete 3D software tools that let you create, simulate, publish, and manage your data. They are easy to learn and use and work together to help you design products better, faster, and more cost-effectively. This 3d innovative technology is a fast evolving trend and the future of CAD CAM CAE industry.

Job zones :

Machine Parts& Assembly,Automotive Design, Areonotical,Agriculture Machines,Piping,Sheet Metal, Ducting Design,Fabrication Works.

Inventor Training Syllabus

Introduction

- What Is INVENTOR All About
- First Time You Run INVENTOR
- INVENTOR Default Interface – Part 1
- INVENTOR Default Interface – Part 2
- Customizing The Interface – Part 1
- Customizing The Interface – Part 2
- Templates And File Types

Sketching

- Introducing Sketch Elements
- Sketching Rectangles
- More Sketch Entities
- Using Sketch Tools
- Design Intent And Automatic Sketch Relations
- 3D Sketch Introduction
- Introduction To Dimensions In 2D Sketches
- The Modify Dialog Box
- Getting Started On A Simple Model

With INVENTOR Features

- Fillets Through Variable Radius
- More Fillets
- Chamfers
- Mirroring

- Mirror And Feature Order
- Mirroring Parts

.Modeling A Sheet Metal Enclosure

- Sheet Metal Introduction
- Building A Sheet Metal Enclosure – Part 1
- Building A Sheet Metal Enclosure – Part 2
- Library Features and Forming Tools
- Creating A Forming Tool From Scratch
- Using The Insert Bends Method
- Lofted Bends
- Corner Treatment

- **Simple Sweeps And Lofts**

- 3D Sketch Review
- Creating Pipes
- 3D Splines And Sweeping Wires
- Sweeps With Guide Curves
- Loft And Boundary
- Helix And Threads
- Sweep With Twist

Part Drawings

- Introduction To INVENTOR Drawings
- Templates And Formats – Part 1
- Templates And Formats – Part 2
- Templates And Formats – Part 3
- Creating New Drawing
- Creating Views
- More View Display Options
- Placing Dimensions and Annotations

Editing

- Editing – Part 1
- Editing – Part 2

Building Assemblies

- Introduction To Assemblies – Part 1
- Introduction To Assemblies – Part 2
- Putting Parts Into An Assembly
- Assembling Parts

Visualization Techniques

- Visualization Introduction
- Scenes
- Lights
- Display Modes

Assembly Drawings

- Assembly Drawings
- Exploded View
- Multiple Position View And Printing

Industrial Projects