



AutoCAD for Mechanical Engineers

Duration : 40 Days (80 Hrs)

Chapter 1 : Introduction To CAD

- CAD History
- Graphical User Interface
- Workspaces
- Ribbons And Commands
- Templates
- Create New Design And Templates

Chapter 2 : Understanding Drawings

- Projection And Views
- First Angle & Third Angle Projection
- Theory & Techniques
- Isometric And Orthographic
- Practice Sketches

Chapter 3 : Creating Geometry Tool

- Creating Rectangles, Placing Hatch, Fillets, Chamfers, Contours
- Centerlines
- Construction Lines
- Power Snaps
- Intersection of surfaces
- Adding Standard Feature Data for Holes and Slots

Chapter 4 : Manipulating Geometry Tool

- Editing Tools
- Power Commands
- Associative Hide

Chapter 5 : Object Property & Layer Management

- Managing Layers
- Configure Object Property Settings
- Automatic Management of Layers
- Layer Functions and Display

Chapter 6 : Mechanical Part Generators

- Standard Parts
- Chains and Belts
- Shaft Generator
- Standard Shaft Parts

Chapter 7 : Creating Drawing Sheets

- Model Space Views in Layouts
- Creating Drawing Sheets in Model Space
- Annotation
- Title Blocks and Drawing Borders

Chapter 8 : Dimensioning And Annotating Drawing

- Annotation and Annotation Symbols
- Creating Dimensions
- Editing Dimensions
- Hole Charts and Fits List

Chapter 9: File Management

- DWG Files
- IGES Files
- Model Documentation

Chapter 10: Introduction to 3D

- Convert the Sketch to Close Profile
- Extrude
- Revolve
- Hole
- Transformation Features
- 3D Modeling Geometry Practice

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