

# AutoCAD



## Introduction of AutoCAD

- Drawing Area
- Command Window
- Status Bar
- Starting New Drawing
- Dynamic Input Mode
- Creating And Managing Workspace

## Introduction of AutoCAD

- Coordinate Systems
- Drawing Lines & Circles
- Erasing Object
- Canceling & Undoing A Command
- Inputting Data
- Creating Basic Objects
- Using Object Snaps
- Using Polar Tracking And Polar Snap
- Using Object Snap Tracking
- Working With Units

## Modifying Objects

- Selecting Objects In The Drawing
- Changing An Object's Position
- Creating New Objects From Existing Objects
- Changing The Angle Of An Object's Position
- Creating A Mirror Image Of Existing Objects
- Creating Object Patterns
- Changing An Object's Size

## Altering Objects

- Trimming And Extending
- Objects To Defined Boundaries
- Creating Parallel And Offset Geometry
- Joining Objects
- Breaking An Object Into Two Objects
- Applying A Radius Corner To Two Objects
- Creating An Angled Corner Between Two Objects
- Changing Part Of An Object's Shape

## Hatching & Gradients

- Use Hatching/Gradients
- Create Annotative Hatch/Gradients
- Editing Hatch/Gradients Patterns
- Editing Hatch/Gradients Boundary
- Other Features Of Hatching/Gradients

## **Drawing Organization and Inquiry Commands**

- Using Layers
- Changing Object's Properties
- Matching Object's Properties
- Using the Properties Palette
- Using Line types
- Using Inquiry Commands

## **Creating Additional**

- Using Layers
- Changing Object's Properties
- Matching Object's Properties
- Using the Properties Palette
- Using line types
- Using Inquiry Commands

## **Drawing Objects**

- Creating And Editing Multiline
- Creating Revision Clouds
- Regions

## **Manipulating Objects and Data**

- Selecting Objects With Quick Select
- Purging Objects
- Working With Point Objects
- Dividing And Measuring Objects

## **Dimensioning**

- Introduction To Dimensioning
- Basic Dimensioning

## **Isometric Drawings**

- Changing The Workspace For Isometric Drawings
- Rules Of Isometric Drawings
- Working In Isometric Drawings
- Isometric Projections
- Isometric Axes & Planes
- Setting The Isometric Grid & Snap

## **Creating 3D Designs**

- Inputting Data
- Introduction to Free-Form Designs
- Creating Wireframes & Surface Designs
- Creating 3D-Volumetric Designs
- Working with Pre-defined Solid Primitives
- Manipulating/Modifying 3D Profiles & Models
- Creating Composite models
- Filleting & Chamfering Solid models
- Using Booleans on Solid Models
- Use of Productivity Tools

## **Rendering**

- Concept of Rendering
- Selecting & attaching Materials
- Creating New Materials

## Working with reusable content

- Creating Blocks
- Working With Blocks
- Saving A Block For Further Use
- Editing/Modifying Of Saved Block
- Reusing Saved Blocks

## Design Centre & Tool-Pallets

- Introduction To Design Centre & Tool Pallets
- Using Predefined Blocks
- Editing the Predefined Blocks In Design Centre
- & Tool Pallets

## Dimensioning and Annotation

- Introduction To Annotation Scaling
- Controlling Annotation Scale
- Using Multileaders
- Dimensioning
- Creating Center Marks
- Creating Ordinate Dimensions
- Creating Geometric
- Dimensions And Tolerances
- Working With Dimension
- Sub styles And Overrides

## Layer Management and Best Practices

- Working With Layer Filters
- Using The Layer States Manager
- Using Layer Standards

## PROJECTS

Partners :



Java

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