AutoCAD®

AUTOCAD SYALLBUS

CAD (Auto-CAD)
No. Of hours -40 hours +   Minimum 20 hours Projects

1. Getting Started with AutoCAD
· Starting AutoCAD
· AutoCAD's User Interface
· Working with Commands
· AutoCAD's Cartesian Workspace
· Opening an Existing Drawing File
· Viewing Your Work
· Saving Your Work

2. Basic Drawing & Editing Commands
· Drawing Lines
· Erasing Objects
· Drawing Lines with Polar Tracking
· Drawing Rectangles
· Drawing Circles
· Undo and Redo Actions

3. Drawing Precision in AutoCAD
· Using Running Object Snaps
· Using Object Snap Overrides
· Polar Tracking at Angles
· Object Snap Tracking

4. Making Changes in Your Drawing
· Selecting Objects for Editing
· Moving Objects
· Copying Objects
· Rotating Objects
· Scaling Objects
· Mirroring Objects
· Editing with Grips

5. Organizing Your Drawing with Layers
· Creating New Drawings With Templates
· What are Layers?
· Layer States
· Changing an Object's Layer

6. Advanced Object Types
· Drawing Arcs
· Drawing Polylines
· Editing Polylines
· Drawing Polygons
· Drawing Ellipses

7. Getting Information from Your Drawing
· Working with Object Properties
· Measuring Objects

8. Advanced Editing Commands
· Trimming and Extending Objects
· Stretching Objects
· Creating Fillets and Chamfers
· Offsetting Objects
· Creating Arrays of Objects

9. Inserting Blocks
· What are Blocks
· Inserting Blocks
· Working with Dynamic Blocks
· Inserting Blocks with DesignCenter
· Inserting Blocks with Content Explorer

10. Setting Up a Layout
· Printing Concepts
· Working in Layouts
· Copying Layouts
· Creating Viewports
· Guidelines for Layouts

11. Printing Your Drawing
· Printing Layouts
· Printing from the Model Tab

12. Text
· Working with Annotations
· Adding Text in a Drawing
· Modifying Multiline Text
· Formatting Multiline Text
· Adding Notes with Leaders to Your Drawing
· Creating Tables
· Modifying Tables

13. Hatching
· Hatching
· Editing Hatches

14. Adding Dimensions
· Dimensioning Concepts
· Adding Linear Dimensions
· Adding Radial and Angular Dimensions
· Editing Dimensions

15. Working Effectively with AutoCAD
· Creating a Custom Workspace
· Using the Keyboard Effectively
· Object Creation, Selection and Visibility
· Working in Multiple Drawings
· Copying and Pasting Between Drawings
· Using Grips Effectively
· Additional Layer Tools

16. Accurate Positioning
· Coordinate Entry
· Locating Points with Tracking
· Construction Lines
· Placing Reference Points

17. Parametric Drawing
· Working with Constraints
· Geometric Constraints
· Dimensional Constraints

18. Working with Blocks
· Creating Blocks
· Editing Blocks
· Removing Unused Elements
· Adding Blocks to Tool Palettes
· Modifying Tool Properties in Tool Palettes

19. Creating Templates
· Why Use Templates
· Controlling Units Display
· Creating New Layers
· Adding Standard Layouts to Templates
· Saving Templates

20. Annotation Styles
· Creating Text Styles
· Creating Dimension Styles
· Creating Multileader Styles

21. Advanced Layouts
· Quick View Layouts
· Creating and Using Named Views
· Advanced Viewport Options
· Layer Overrides in Viewports
· Additional Annotative Scale Features

22. External References
· Attaching External References
· Modifying External References
· XRef Specific Information

PROJECTS -20 -40 hours Extra hours for Projects with assistance

- **Mechanical CAD** – **Mechanical & Automotive Projects on AutoCAD**
- **Civil & Architectural** – **Civil Plan & Elevation Projects on AutoCAD**
- **Electrical –Electrical :** **/SLD/ Panel Layout ,Electrical Projects on AutoCAD**
- **For Non Technical/Personal** **Interest** **– Combination of all Projects Extra as above all three i.e Projects on Civil, Mechanical, Electrical drawings on AutoCAD etc.**

PLACEMENTS ASSISTANCE – 100%