



RAJ GLOBAL TECHNICAL INSTITUTE

कम्प्यूटर का ज्ञान रोजगार का वरदान, एक कदम तरक्की की ओर ॥

Syllabus of AutoCAD

AutoCAD 2014 (Fundamentals + Advanced)

1. Creating a Simple Drawing

- Getting Started with AutoCAD
 - Starting AutoCAD
 - AutoCAD's Screen Layout
 - Working with Commands
 - Opening an Existing Drawing File
 - Saving Your Work
 - AutoCAD's Cartesian Workspace
- Basic Drawing & Editing Commands
 - Drawing Lines
 - Erasing Objects
 - Drawing Lines with Polar Tracking
 - Drawing Rectangles
 - Drawing Circles
 - Viewing Your Drawing
 - Undoing and Redoing Actions

2. Making Your Drawings More Precise

- Drawing Precision in AutoCAD
 - Using Object Snap
 - Object Snap Override

- Making Changes in Your Drawing

- Selecting Objects for Editing
- Moving Objects
- Copying Objects
- Rotating Objects
- Scaling Objects
- Mirroring Objects
- Editing Objects with Grips

3. Drawing Organization and Information

- Organizing Your Drawing with Layers

- Creating New Drawings With Templates
- What are Layers?
- Layer State
- Changing an Object's Layer

- Advanced Object Types

- Drawing Arcs
- Drawing Poly lines
- Editing Poly lines
- Drawing Polygons
- Drawing Ellipses

- Getting Information From Your Drawing

- - Measuring Objects
 - Working with Properties

4. Creating More Complex Objects

- Advanced Editing Commands
 - Trimming and Extending
 - Stretching Objects
 - Creating Fillets and Chamfers
 - Offsetting Objects
 - Creating Arrays of Objects

5. Preparing to Print

- Setting Up a Layout
 - Printing Concepts
 - Creating Viewports
 - Setting up Layouts
 - Guidelines for Layouts
- Printing Your Drawing
 - Printing Layouts
 - Printing a Check Plot

6. Annotating Your Drawing

- Text
 - Working with Annotations
 - Adding Text in a Drawing
 - Modifying Multiline Text
 - Formatting Multiline Text
- Hatching
 - Hatching
- Adding Dimensions
 - Dimensioning Concepts
 - Adding Linear Dimensions
 - Adding Radial and Angular Dimensions
 - Editing Dimensions
 - Adding Notes to Your Drawing

7. Beyond the Basics

- Working Effectively with AutoCAD
 - Setting up the Interface
 - Using the Keyboard Effectively
 - Working in Multiple Drawings
 - Using Grips Effectively
 - Additional Layer Tools
- Accurate Positioning
 - Coordinate Entry
 - Locating Points with Tracking
 - Construction Lines
 - Placing Reference Points

8. Creating and Organizing Blocks

- Creating Blocks
 - Creating Blocks
 - Editing Blocks
 - Removing Unused Elements

9. Drawing Setup and Utilities

- Creating Templates
 - Why Use Templates?
 - Controlling Units Display
 - Creating New Layers
 - Adding Standard Layouts to Templates
 - Saving Templates
- ❖ Annotation Styles
 - Creating Text Styles
 - Creating Dimension Styles
 - Creating Multilayer Styles

10. Advanced Layouts and Printing

- ❖ Advanced Layouts
 - Creating and Using Named Views
 - Creating Additional Viewports
 - Layer Overrides in Viewports
 - Additional Annotative Scale Features

- DWF Printing and Publishing
 - ❖ DWF Plotting and Viewing
 - ❖ Publishing Drawing Sets

11. Other Topics

- ❖ How to Use Quick Calc
- ❖ Additional Zoom Commands
- ❖ Creating Model Space Viewports
- ❖ Advanced Object Selection
- ❖ Single-Line Text
- ❖ Other Text Tools
- ❖ Additional Dimensioning Tools
- ❖ Creating Boundaries
- ❖ Working with Regions
- ❖ Temporary Overrides

12. AutoCAD 2009 3D Drawing and Modeling 3D Foundations

- ❖ Why use 3D?
- ❖ Introduction to the 3D Modeling Workspace
- ❖ Basic 3D Viewing Tools
- ❖ 3D Navigation Tools
- ❖ Introduction to the User Coordinate System

Simple Solids

- Working with Solid Primitives
- Solid Primitive Types
- Working with Composite Solids

- Working with Mesh Models

Creating Solids & Surfaces from 2D Objects

- Complex 3D Geometry
- Extruded Solids and Surfaces
- Swept Solids and Surfaces
- Revolved Solids and Surfaces
- Lofted Solids and Surfaces

Advanced Solid Editing

- Editing Components of Solids
- Editing Faces of Solids
- Fillets and Chamfers on Solids

Working Drawings from 3D Models

- Creating Multiple Viewports
- 2D Views from 3D Solids

HEAD OFFICE ADDRESS :-

Raj Global Technical Institute
(Barhai Tola) Mukeriganj Sadar
Azamgarh 276001, Uttar Pradesh, India,
Tel: No. 05462-229465,
Mob. No. 09453260011
Website: www.rgti.in
Email Id: info@rgti.in

