



AUTODESK AUTOCAD ADVANCED TRAINING

Objectives

This 2- day Course is to teach trainee the advance commands and tools necessary for professional 3D drawing and design using Autodesk AutoCAD software. After completing this course trainee will be able to:

- ✓ Use AutoCAD for daily working process.
- ✓ Navigate throughout AutoCAD using major navigating tools.
- ✓ Understand the concept and techniques to draw.
- ✓ Create multiple designs using several of tools.
- ✓ Extracting data from drawings.
- ✓ Create 3D models using 3d model tools.
- ✓ Render ad present the model

Training Programme Day 1

Chapter	Topic	Duration	Time
Chapter 1	Storing, Presenting and Extracting Data <ul style="list-style-type: none"> • Defining Attributes and Blocks • Inserting Attributed Blocks • Editing Table Styles and Creating Tables • Using Fields in Tables Cells • Editing Table Data 	3-hour	09.00 AM – 12.00 PM
Chapter 2	Navigating 3D Models <ul style="list-style-type: none"> • Using Visual Styles • Working with Tiled Viewports • Navigating with the Viewcube • Orbiting in 3D • Navigating with Steering Wheels • Saving Views 	1-hour	12.00 PM – 01.00 PM
Chapter 3	Simple Solids <ul style="list-style-type: none"> • Working with Solid Primitives • Solid Primitive Types • Working with Composite Solids • Working with Mesh Models 	3-hour	02.00 PM – 05.00 PM

Training Programme Day 2

Chapter	Topic	Duration	Time
Chapter 4	Working with the User Coordinate System <ul style="list-style-type: none"> • UCS Basics • UCS X, Y, and Z Commands • UCS Multi-functional Grips • Saving a UCS by Name 	1-hour	09.00 AM – 10.00 AM
Chapter 5	Creating Solids & Surfaces from 2D Objects <ul style="list-style-type: none"> • Complex 3D Geometry • Extruded Solids and Surfaces • Swept Solids and Surfaces • Revolved Solids and Surfaces • Lofted Solids and Surfaces • NURBS Surface 	3-hour	10.00 AM – 01.00 PM
Chapter 6	Additional Editing Tools <ul style="list-style-type: none"> • Creating a Shell • Imprinting Edges of Solids • Slicing a Solid along a Plane 	2-hour	02.00 PM – 04.00 PM
Chapter 7	Presenting Your Design <ul style="list-style-type: none"> • Assigning Materials • Placing and Adjusting Lights • Creating Rendering 	1-hour	04.00 PM – 05.00 PM