**AutoCAD Designing**

Modern day engineers & architects today, prefer to use AutoCAD tool to shape their designs across all the industries. It is very useful in modifying designs with ease; data can be stored and retrieved any time. Today, AutoCAD is the most popular and widely used design software in the industry. Learning this software can help an individual to seamlessly work in the field of architecture, mechanical engineering and construction (AEC), automobiles, heavy-machinery, electrical, aerospace, GIS, mining, etc. AutoCAD is a computer software program that allows architects and designers to create 2-D and 3-D renderings of their work during the planning stages of a project. AutoCAD training classes can be found within programs such as the Certificate in AutoCAD, Associate of Applied Science in Architectural Design and Drafting, or Associate of Applied Science in Architectural, civil and Mechanical and Engineering Design

* It is recommended specially to the students who have completed their first year in B.Tech/B.E, Diploma & ITI in any stream.
* The course content has been prepared according to the latest syllabus of most technical directorates & universities.
* Students can use their skills in engineering drawing to create technical drawings using the AutoCAD commands more efficiently.
* Candidates who have passed matriculation can also learn with our easy training module.

**Who can join this course?**

Practically any candidate with Matriculation and above can learn this software with excellent placement facilities.

**Duration:** 01 Month (1.5hours/day)

**Module-1**

An overview of CAD (Introduction, Uses, Advantages), Introduction to AutoCAD software, System Requirements, The AutoCAD Graphic Window (UI), STARTUP command, Mouse-Button Functions, Units & Drawing Limits, Use of Coordinate System (Cartesian-Absolute, Rectangular Relative & Polar-Relative). Pan, Zoom, Regen, Properties, Quick Calculator.

**Module-2**

Creating simple profiles using: - Draw tools- Line, Construction lines, Rays, Circle, Arc, Rectangle, Polygon, Polylines, Splines, Points, Multilines, Blocks, Block-Editor, Dynamic Blocks, etc. Creating complex profiles using: - Table, Single-line Text, M-Text, Erase, Copy, Move, Rotate, Scale, Array, Break, Trim, Fillet, etc. Object snapping methods & other status tools. View tools and their advantages. General Object Properties. Use of LAYERS & LAYER management. LWT, LTS, Creating Hatches, Hatch-edit, Region, Boundary, etc. Leaders & Multi-leaders.

**Module-4**

Block Attributes, Creating Templates, Formats, Title-Box, Sheet Layout, Snap & Grid, Isoplanes. Selections & Filters.

**Module-5**

Concepts of Parametric drawings. Adding Constraints to a drawing using parametric tools.

Module-6

Concepts of 3D Modelling in ACAD, Understanding 3D Interface, View-Cube, Named 3D Views, Visual-Styles, Orbit tools. Primitives- Solids, UCS, DUCS, BOOLEAN-operations, Modelling, Solid Editing tools. 3D Move, 3D Rotate, Align.

**Module-7**

View-ports, creating new view-ports, Surface Modelling, Surace-Editing. Mesh modelling, Mesh Editing, Conversion of mesh model to surface, etc. 3D Operations.

**Module-8**

Hide, Isolate, 3D Sections, Materials editor, Lights, Render model.

**Module-9**

Creating Plotting Lay-outs, Annotative Scaling of drawings. Plotting of drawings & exporting to PDF.

**Why from Us:**

**Our AutoCAD Trainers**

* More than 8 Years of experience in AutoCAD
* Running his own Company www.digitalsoftworld.com and providing solution to various client related to Civil and architectural field.
* Providing real work to candidate in Civil, Architectural, Electrical and Mechanical work.
* Has worked on multiple real-time AutoCAD Projects.
* Trained 500+ Students so far
* Strong Theoretical & Practical Knowledge
* We will give proper practical knowledge in each session on Autocad.so that candidate can get the learn good design skill.
* Provide opportunity to work on real time projects from various MNC/Gov. agencies.