Introduction to AutoCAD

AutoCAD allows the designer to use and manage it on multiple machines using network licensing. Being an easily available program, AutoCAD is used globally by students, teachers, architects, freelancers, engineers, fashion designers. Like other CAD programs, AutoCAD also works on a database of geometric systems, including points, lines, arcs, etc. The user works on the application through the commands; editing or drawing is done from the inbuilt command line. AutoCAD is issued free of cost to students, educators, and institutions.

AutoCAD is globally used by surveyors, designers, engineers, drafters. Globally, AutoCAD has proven as an efficient and user-friendly program. Commercial drafting and computer-aided design(CAD) software applications are AutoCAD. AutoCAD software is recognized internationally for its remarkable editing capabilities, which make it likely to digitally draw building plans or recreate 3D images. This software was developed in the year 1982 by Autodesk.

Highlights of AutoCAD

Before the invention of AutoCAD, all designing and modeling were done manually. This was a time-consuming task and resulted in a lot of costly errors. But, with the invention of AutoCAD, the process of modeling and designing got digitalized and simplified. A technology that has emerged as a solution to most of the designers, engineers, and architects.

Some of the most powerful components of AutoCAD are-

- The designers and architects can create accurate models, sketches, and drawings with AutoCAD. This is next to impossible when done manually.
- With the introduction to AutoCAD, the user can even model 3D objects with colors & materials that can be applied to various surfaces, making it simpler for the user to anticipate the outcome, which cannot be fulfilled in manual 3D sketches.

- Creating drawings manually is a time-consuming task. When designers create drawings on a digital platform with computer software, they get the benefit of the application interface. Editing is also easy with AutoCAD as it has many editing commands.
- AutoCAD is an advanced program that has default commands incorporated in the application. With these commands, the users can edit and change their files without any limitations.