Stay at the forefront of design with Engineering Design software
AutoCAD
Mechanical, Civil / Architecture, Electrical

What will You Learn:

✳ Understanding of the power and precision of computer-aided modeling and drafting;

✳ Ability to assemble these drawings in industry-standard plan form and produce plotted hardcopies ready for distribution;

✳ Ability to create 2D representations of 3D objects as plan view, elevations and sections

✳ You will know how to develop higher-quality, more accurate architectural designs; use tools specifically built to support Building Information Modeling workflows.

✳ You will know how to capture and analyze concepts, and maintain your vision through design, documenta

✳ Visualization for creating displaced building design views; improvement of performance for visualization; capturing of design ideas in a photorealistic state, and reduction of project cost with cloud-based rendering.tion, and construction.

Choose AutoCAD for the precision and quality you expect.

While the Fundamentals course is generic in nature, you have the option of specializing in Architectural, Mechanical, or Electrical drawings as part of the course. You can select one of the specialization's.

- **AUTOCAD**
- Taking the AutoCAD Tour
- Creating Basic Drawings
- Manipulating Objects
- Drawing Organization and Inquiry Commands
- Working with Layouts
- Parametric Design
- Working with Annotative Objects
- Isolate or Hide Displayed Objects
- Grip Editing, Viewing Drawings in 3D
- Hatching Objects, Dimensioning
- Layouts and Views, Plotting
- Introduction to Sheet Sets
- Creating Tables

- MECHANICAL AUTOCAD
- Manipulating Objects
- Drawing Organization a
- Altering Objects
- Dimensioning
- Hatching Objects
- Working with Reusable Content
- Creating Additional Drawing Objects
- P rametric Design
- Working with Annotative Objects
- Insert and Manage External References
- Isolate or Hide Displayed Objects

AUTOCAD CIVIL / ARCHITECTURE
- Getting Started With Civil 3D
- Working with Points
- Working with Alignments
- Working with Surfaces
- Working with Profiles
- Working with Sections
- Working with Corridors
- Creating Cul-de-Sacs
- Creating Knuckles

AUTOCAD ELECTRICAL
- Introduction to AutoCAD ElectricalProject Files
- Schematics I – Single Wire/Components
- Schematics II – Multiwire and Circuits
- Editing Commands
- Panel Drawings
- Terminals
- PLC Symbols
- Point –to-Point Wiring Drawings • Symbol Creation
- Title Blocks
- Reporting Tools
- Settings and Templates
- Drawing Update Tools

- **Project Training**
- **Mechanical**
- **Civil**
- **Electrical**
- **Architecture**