## Computer Aided Design (CAD) 2D-3D

### Session 1: Getting Started with CAD

1. Starting AutoCAD, AutoCAD’s Screen Layout, Working with commands, Opening an Existing Drawing File, Saving your work, AutoCAD’s Cartesian workspace.
3. Drawing Circles, Viewing your Drawing, undoing and redoing action.
4. Making your drawing: using object Snap, object snap overrides, Polar tracking setting, object snap tracking, drawing with SNAP and GRID.
5. Selecting objects for editing, moving objects, copying objects, rotating objects, scaling objects, mirroring objects, editing objects with grips.

### Session 2: Drawing Organization and Information

1. Creating new Drawings with Templates.
2. What is Layers? Layer Sate, Changing an object’s Layer.

### Session 3: Annotating your Drawing

3. Working with Annotations: Adding text in a drawing, Modifying multiline text, Formatting multiline text.

### Session 4: Working Effectively with AutoCAD

1. Setting up the Interface, using the Keyboard effectively, working in Multiple Drawings.

### Session 5: 3D Foundations

2. Simple Solids: Working with Solid Primitives, solid primitive types, working with composite solids, working with the mesh models.
3. Creating solids & surfaces from 2D objects: Complex 3D Geometry, Extruded Solids and Surfaces, Swept solids and surface, Revolved solids and surface, Lofted solids and surface.