

**Overview:**

AutoCAD is a standout amongst the most well-known Computer Aided Design (CAD) project created to help experts to outline items, structures or structures without drawing up arrangements physically.

The course target is to educate the students about the essential directions important for expert 2D CAD drawing, plan, and drafting utilizing a 2D drafting device. Indeed, even participants with no past CAD experience can advance rapidly through this course which is masterminded in an arrangement that is straightforward. Members will learn CAD essentials and the capacities in 2D drawing.

**Why should you learn?**

Autocad makes dazzling plans and accelerate documentation work with profitable tools. It has numerous in-constructed instruments to help specialists, planners or creators chip away at individual tasks. It assists you with creating drawings in which we can work with exact estimations and accuracy.

**Learning Objectives:**

At CADD Center, we help you ace the accompanying features of Autocad 2D:

- ✓ Creation of 2D drawings
- ✓ Adjustments utilizing altering instruments
- ✓ Layer administration
- ✓ Dimensioning
- ✓ Hatching
- ✓ Using parametric limitations
- ✓ Create and oversee sections
- ✓ Administer Extrinsic references
- ✓ Plotting

**Learning Outcome:**

In the wake of finishing this course, understudies will have the capacity to -

- ✓ Navigate through the interface easily
- ✓ Use the key elements and accuracy drafting devices in AutoCAD to create precise specialized drawings.
- ✓ Present drawings in a comprehensive and perceivably fascinating way.
- ✓ Create very precise 2D drawings in shorter duration.

**CADD Centre**

AutoCAD	Total Duration: 60 hours
Session 1	<ul style="list-style-type: none"> <li>• About CADD centre</li> <li>• Introduction to Engineering Drawings               <ul style="list-style-type: none"> <li>○ Projections (First &amp; Third angle)</li> <li>○ Views (Orthographic, Isometric &amp; Perspective)</li> </ul> </li> <li>• Introduction to AutoCAD               <ul style="list-style-type: none"> <li>○ History</li> <li>○ Exploring GUI</li> <li>○ Workspaces</li> </ul> </li> <li>• Co-ordinate systems</li> </ul>
Session 2	<ul style="list-style-type: none"> <li>• Drawing settings               <ul style="list-style-type: none"> <li>○ Units</li> <li>○ Limits</li> </ul> </li> <li>• File Management               <ul style="list-style-type: none"> <li>○ New</li> <li>○ QNew</li> <li>○ Open</li> <li>○ Save &amp; Save as</li> <li>○ Close</li> <li>○ Exit</li> <li>○ Quit</li> </ul> </li> <li>• Drawing Tools               <ul style="list-style-type: none"> <li>○ Line</li> <li>○ Circle</li> <li>○ Arc</li> <li>○ Ellipse</li> <li>○ Donut</li> <li>○ Polygon</li> <li>○ Rectangle</li> </ul> </li> </ul>
Session 3	<ul style="list-style-type: none"> <li>• Modify Tools               <ul style="list-style-type: none"> <li>○ Erase</li> <li>○ Oops</li> </ul> </li> </ul>

	<ul style="list-style-type: none"><li>○ Undo</li><li>○ Redo</li><li>○ Explode</li><li>○ Move</li><li>○ Copy</li><li>○ Rotate</li><li>○ Mirror</li><li>○ Array</li><li>○ Align</li><li>○ Scale</li><li>○ Stretch</li><li>○ Lengthen</li><li>○ Trim</li><li>○ Extend</li><li>○ Break</li><li>○ Join</li><li>○ Chamfer</li><li>○ Fillet</li></ul>
Session 4	<ul style="list-style-type: none"><li>● Layer Management<ul style="list-style-type: none"><li>○ Adding / Removing Layers</li><li>○ Layer Status</li><li>○ New Property Filter</li><li>○ New Group Filter</li><li>○ Layer Status Manager&amp;Plot control</li></ul></li></ul>
Session 5	<ul style="list-style-type: none"><li>● Drawing Tools<ul style="list-style-type: none"><li>○ Multiline</li><li>○ Pline</li><li>○ Spline</li><li>○ Xline</li><li>○ Ray</li><li>○ Wipeout</li><li>○ Revision cloud</li></ul></li><li>● Modify tools<ul style="list-style-type: none"><li>○ Mlstyle</li><li>○ Mledit</li><li>○ Pedit</li><li>○ Splineedit</li></ul></li></ul>

	Grip editing.
Session 6	<ul style="list-style-type: none"><li>• Display Control<ul style="list-style-type: none"><li>○ Zoom</li><li>○ Pan</li><li>○ Redraw</li><li>○ Clean screen</li><li>○ Steering wheels</li></ul></li><li>• Object properties<ul style="list-style-type: none"><li>○ Colour</li><li>○ Line type</li><li>○ Ltscale</li><li>○ Line weight</li><li>○ Properties</li><li>○ Match prop</li></ul></li></ul>
Session 7	<ul style="list-style-type: none"><li>• Object Selection Methods<ul style="list-style-type: none"><li>○ Select</li><li>○ Qselect</li><li>○ Filter</li><li>○ Group</li></ul></li><li>• Constraints<ul style="list-style-type: none"><li>○ Dimensional constraints</li><li>○ Geometrical Constraints</li></ul></li><li>• Symbol &amp; BOM Creation<ul style="list-style-type: none"><li>○ Blocks</li><li>○ Insert Block</li><li>○ Write Block</li><li>○ Block Editor</li><li>○ Dynamic Block</li><li>○ Divide</li><li>○ Measure</li></ul></li></ul>
Session 8	<ul style="list-style-type: none"><li>• Attributes</li><li>• Action Recorder</li><li>• Design Center</li><li>• Tool Palettes</li><li>• Isometric views</li><li>• Perspective Views</li></ul>

Session 9	<ul style="list-style-type: none"><li>• Text<ul style="list-style-type: none"><li>○ Single line text</li><li>○ Text Style</li><li>○ Multiline Text</li><li>○ Scale text</li><li>○ Check spelling</li></ul></li><li>• Table<ul style="list-style-type: none"><li>○ Table</li><li>○ Table style</li><li>○ Table edit</li></ul></li><li>• Hatch<ul style="list-style-type: none"><li>○ Hatch</li><li>○ Hatch edit</li><li>○ Gradient</li></ul></li><li>• Inquiry Commands<ul style="list-style-type: none"><li>○ ID</li><li>○ Dist</li><li>○ List</li><li>○ Radius</li><li>○ Angle</li><li>○ Area</li><li>○ Volume</li></ul></li></ul>
Session 10	<ul style="list-style-type: none"><li>• Dimensions<ul style="list-style-type: none"><li>○ Dim linear</li><li>○ Dim Aligned</li><li>○ Dim Arc length</li><li>○ Dim ordinate</li><li>○ Dim Radius</li><li>○ Dim diameter</li><li>○ Dim angular</li><li>○ Dim jogged</li><li>○ Dim baseline</li><li>○ Dim continue</li><li>○ Dim space</li><li>○ Dim break</li><li>○ Dim jogged linear</li><li>○ Centre Mark</li></ul></li></ul>
Session 11	<ul style="list-style-type: none"><li>• Dimensions<ul style="list-style-type: none"><li>○ Leader</li><li>○ Mleader</li></ul></li></ul>

	<ul style="list-style-type: none"><li>○ Mleader Style</li><li>○ Tolerance</li><li>○ Dim edit</li><li>○ Dimtedit</li><li>○ Dimassoc</li><li>○ Dimreassociate</li><li>○ Dimension Style</li></ul>
Session 12	<ul style="list-style-type: none"><li>● OLE<ul style="list-style-type: none"><li>○ Insert OLE link</li><li>○ Update link</li><li>○ Edit OLE link</li><li>○ OLE scale</li></ul></li><li>● XREF<ul style="list-style-type: none"><li>○ Manage &amp; Attach Xref</li><li>○ Update Xref</li><li>○ Bind option</li><li>○ Insert option</li><li>○ Editing Xref</li><li>○ Overlay option</li><li>○ Clipping Xref</li></ul></li><li>● Publish &amp; Plotting<ul style="list-style-type: none"><li>○ Etransmit</li><li>○ Publish</li><li>○ Layouts</li><li>○ Viewports</li><li>○ Mview</li><li>○ Page setup</li><li>○ Plot style</li><li>○ Plot</li><li>○ Annotative</li></ul></li></ul>