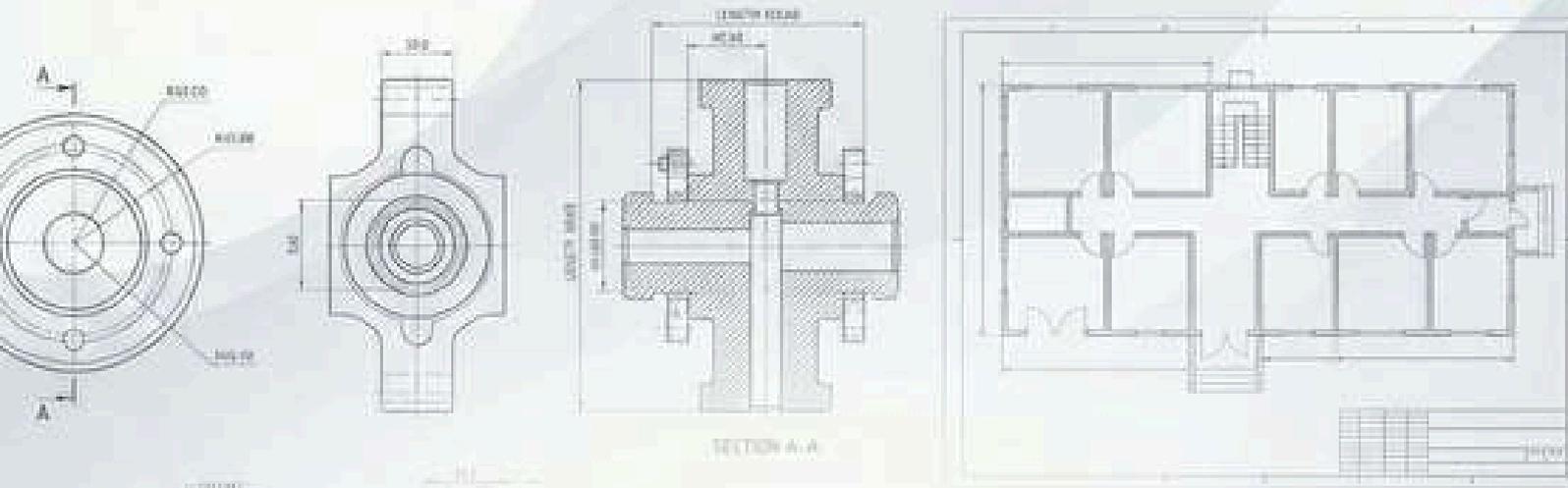
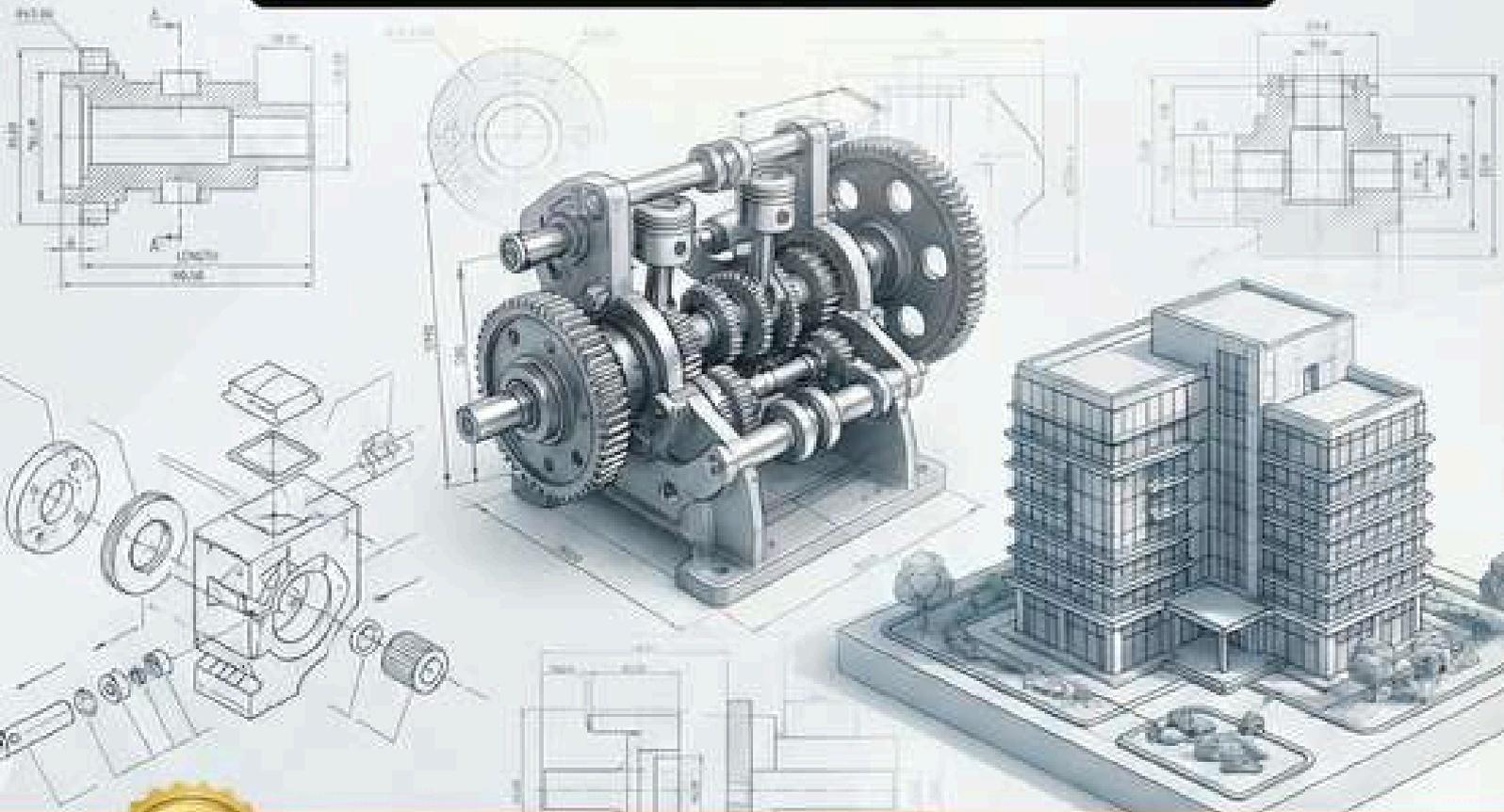




# SKYJET ACADEMY



# AUTOCAD SYLLABUS – 2026



NO.1 AUTHORIZED CAD TRAINING INSTITUTE IN COIMBATORE

# AUTOCAD

LEVEL - 1 (ESSENTIAL)



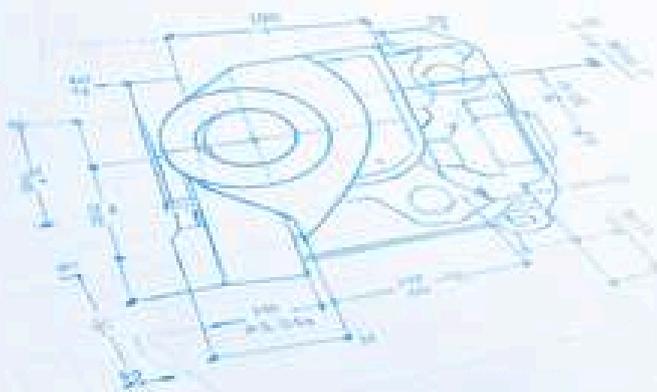
2D



3D



LAYOUT



# AUTOCAD SYLLABUS

**2D**

Session	Topic	Commands	Student Sign
1	2D	<p>Autocad introduction  Workspace switching  Drafting annotation  Units  Limits  Grid mode on /off  Objectsnap settings  Snap mode(F9)  Polar Tracking(F10)  Customization  Annotation (standard)  Dimstyle:</p> <ul style="list-style-type: none"> <li>• Modify</li> <li>• Lines</li> <li>• Symbols &amp; Arrows</li> <li>• Text</li> <li>• Fit</li> <li>• Primary units</li> <li>• Commandbox shortcuts</li> </ul> <p>Line</p> <ul style="list-style-type: none"> <li>• Centerline</li> </ul> <p>Orthomode (F8)  Circle</p> <ul style="list-style-type: none"> <li>• Center Radius</li> <li>• Center Diameter</li> </ul>	45 Min

Session	Topic	Commands	Student Sign
1	2D	<p>Arc</p> <ul style="list-style-type: none"> <li>• 3 points</li> <li>• Start,end,direction</li> <li>• Continue</li> </ul> <p>Rectangle</p> <p>Mirror</p> <p>Fillet</p> <ul style="list-style-type: none"> <li>• Radius</li> </ul> <p>Chamfer</p> <ul style="list-style-type: none"> <li>• Distance</li> <li>• Angle</li> </ul> <p>Offset</p> <p>Array</p> <ul style="list-style-type: none"> <li>• Rectangular</li> <li>• polar</li> </ul> <p>Trim</p> <p>Extend</p> <p>Dimension</p> <ul style="list-style-type: none"> <li>• Linear</li> <li>• Angular</li> <li>• Radius</li> <li>• Diameter</li> </ul> <p>Parametric Relation</p> <ul style="list-style-type: none"> <li>• Horizontal</li> <li>• Vertical</li> <li>• Equal</li> <li>• Tangent</li> <li>• Concentric</li> </ul> <p>Dimension Editing</p>	45 Min

Session	Topic	Commands	Student Sign
2	2D	Circle <ul style="list-style-type: none"> <li>• 2 Points</li> <li>• 3 Points</li> <li>• Tan,Tan,Radius</li> <li>• Tan,Tan,Tan</li> </ul> Rectangle <ul style="list-style-type: none"> <li>• Chamfer</li> <li>• Elevation</li> <li>• Fillet</li> <li>• Thickness</li> <li>• Width</li> </ul> Fillet <ul style="list-style-type: none"> <li>• Undo</li> <li>• Polyline</li> <li>• Trim</li> <li>• Multiple</li> </ul> Chamfer <ul style="list-style-type: none"> <li>• Undo</li> <li>• Polyline</li> <li>• Trim</li> <li>• Method</li> <li>• Multiple</li> </ul> Offset <ul style="list-style-type: none"> <li>• Through</li> <li>• Erase</li> <li>• Layer</li> </ul> Dimension <ul style="list-style-type: none"> <li>• Aligned</li> <li>• Arc Length</li> </ul> Parametric Relation <ul style="list-style-type: none"> <li>• Coincident</li> <li>• Symmetric</li> <li>• Parallel</li> <li>• Perpendicular</li> <li>• Lock</li> </ul>	45 Min

Session	Topic	Commands	Student Sign
2	2D	<p>Polyline</p> <ul style="list-style-type: none"> <li>• Arc</li> <li>• Angle</li> <li>• Center</li> <li>• Close</li> <li>• Direction</li> <li>• Halfwidth</li> <li>• Line</li> <li>• Radius</li> <li>• Second Point</li> <li>• Width</li> <li>• Undo</li> </ul> <p>Arc</p> <ul style="list-style-type: none"> <li>• Start,Center,End</li> <li>• Start,Center,Angle</li> <li>• Start,Center,Length</li> <li>• Start,End,Angle</li> <li>• Start,End,Direction</li> <li>• Start,End,Radius</li> <li>• Center,Start,End</li> <li>• Center,Start,Angle</li> <li>• Center,Start,Length</li> </ul> <p>Polygon</p> <p>Ellipse</p> <ul style="list-style-type: none"> <li>• Center</li> <li>• Axis,End</li> <li>• Elliptical Arc</li> </ul>	45 Min

Session	Topic	Commands	Student Sign
3	2D	Move Copy Rotate Scale Stretch Extend Blend Curves Path array Erase Exploded Spline <ul style="list-style-type: none"> <li>• Spline fit</li> <li>• Spline Cv</li> </ul> Construction line Ray Multiple points Divide Measure Region Wipeout Break Break at point Join unit Edit array Edit ppline Edit spline Relation (hide/show) Dimension (hide/show) Dimension Editing: Linear Aligned Angular Diameter / Radius	45 Min

Session	Topic	Commands	Student Sign
4	2D	<p><b>Layer Properties</b></p> <ul style="list-style-type: none"> <li>• Turn on (or)off</li> <li>• Insolate</li> <li>• Unisolate</li> <li>• Freeze</li> <li>• Unfreeze</li> <li>• Lock</li> <li>• Unlock</li> </ul> <p><b>Block</b></p> <ul style="list-style-type: none"> <li>• Create block</li> <li>• Edit block</li> </ul> <p><b>Attributes</b></p> <ul style="list-style-type: none"> <li>• Create Attribute</li> <li>• Edit attribute</li> </ul> <p><b>Group</b></p> <ul style="list-style-type: none"> <li>• Create group</li> <li>• Edit group</li> </ul> <p><b>Measure</b></p> <ul style="list-style-type: none"> <li>• Distance</li> <li>• Radius</li> <li>• Diameter</li> <li>• Angle</li> <li>• Area</li> </ul> <p><b>Copy and paste</b></p> <p><b>Annotate</b></p> <p><b>Text</b></p> <ul style="list-style-type: none"> <li>• Multiline</li> <li>• Single</li> </ul> <p><b>Modify text size</b></p> <p><b>Quick dimension</b></p> <p><b>Continue Dimension</b></p> <p><b>Break</b></p>	45 Min

Session	Topic	Commands	Student Sign
4	2D	Adjust space Inspect Update Reassociate Centerlines <ul style="list-style-type: none"> <li>• Center mark</li> <li>• Centerline</li> </ul> Leaders <ul style="list-style-type: none"> <li>• Multileaders</li> <li>• Add leader</li> <li>• Remove leders</li> </ul> Table revision cloud <ul style="list-style-type: none"> <li>• Rectangular</li> <li>• Polygonal</li> <li>• Freehand</li> </ul>	45 Min

Session	Topic	Commands	Student Sign
5	2D	GD & T	45 Min

# 3D

Session	Topic	Commands	Student Sign
6	3D	<p>Workspace Switching            3d modelling            3d introduction            Set current view as Home            Die Introduction            UCS Introduction            View Introduction:</p> <ul style="list-style-type: none"> <li>• Front</li> <li>• Top</li> <li>• Bottom</li> <li>• Right</li> <li>• Left</li> <li>• Back</li> </ul> <p>Primitive</p> <ul style="list-style-type: none"> <li>• Box</li> <li>• Cylinder</li> <li>• Sphere</li> <li>• Polysolid</li> <li>• Wedge</li> <li>• Cone</li> <li>• Pyramid</li> <li>• Torus</li> </ul> <p>Visual Styles</p> <ul style="list-style-type: none"> <li>• 2d wireframe</li> <li>• Conceptual</li> <li>• Hidden</li> <li>• Realistic</li> <li>• Shaded</li> <li>• Shaded with edgcs</li> <li>• Shades of gray</li> <li>• Sketchy</li> <li>• X-ray</li> </ul>	45 Min



Session	Topic	Commands	Student Sign
6	3D	<b>Solid:</b> Extrude Presspull <ul style="list-style-type: none"> <li>• Extrude boss</li> <li>• Extrude cut</li> </ul> <b>Mirror</b> <ul style="list-style-type: none"> <li>• Plane Offset</li> </ul> <b>Rib</b> <b>Move</b> <b>Copy</b> <b>Solidunion</b> <b>3D - Shortcuts :</b> <ul style="list-style-type: none"> <li>• Zoom in / Off Button</li> <li>• Orbit</li> <li>• Full Navigation</li> <li>• Wheel</li> </ul>	45 Min

Session	Topic	Commands	Student Sign
7	3D	<b>Solid history</b> <b>Shell</b> <b>Revolve</b> <b>Sweep</b> <b>Loft</b> <b>Subtract</b> <b>Intersect</b> <b>Interfere</b> <b>Slice</b> <b>Thicken</b>	45 Min

Session	Topic	Commands	Student Sign
7	3D	Imprint Extract Edges Offset Edges Taper Faces Extrude Faces Offset Faces Separate Section Plane Vertex Edge Face Move Gizmo Rotate Gizmo Scale Gizmo	45 Min

Session	Topic	Commands	Student Sign
8	3D	Color Edges Copy Edges Move Faces Copy Faces Offset Faces Delete Faces Rotate Faces Color Faces Full Navigation Wheel Pan Zoom Extends Orbit	45 Min

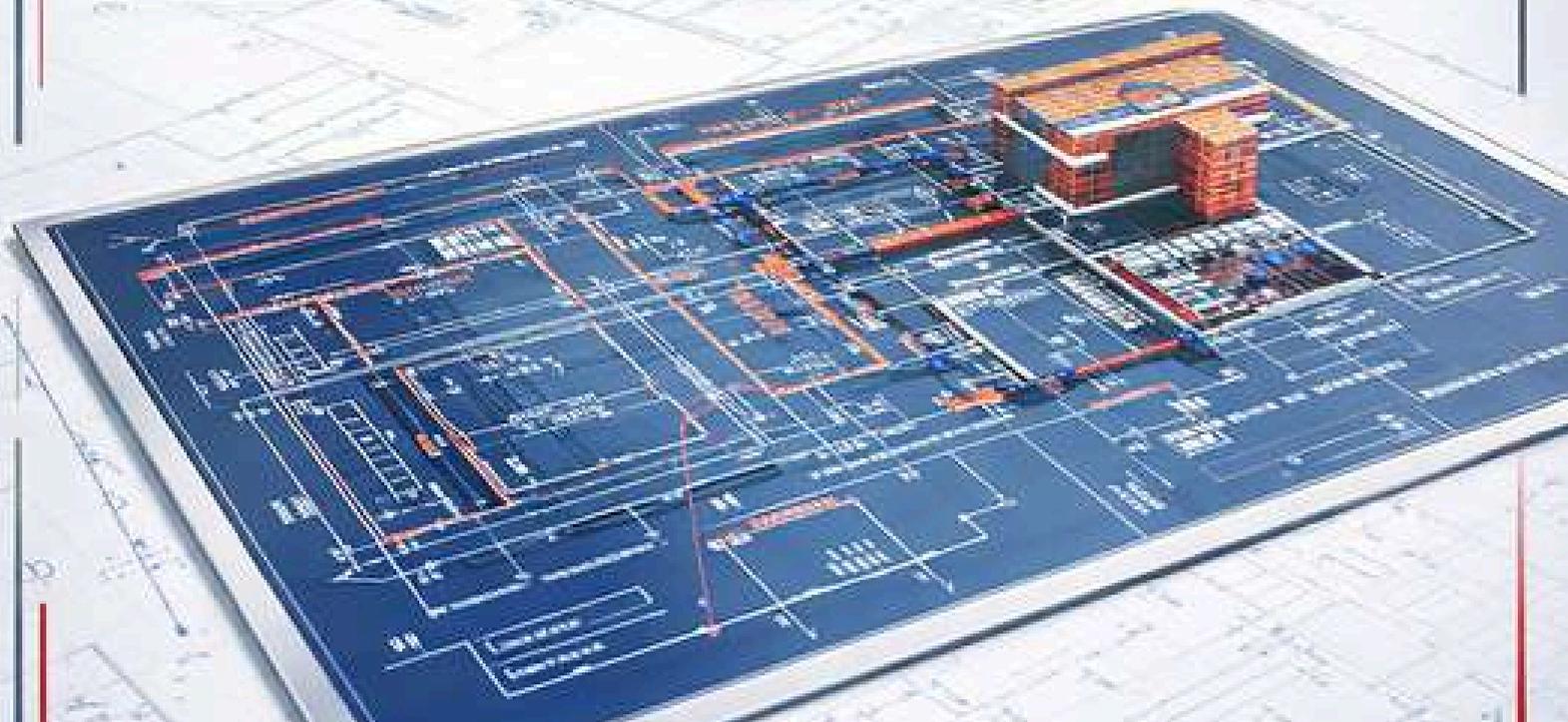
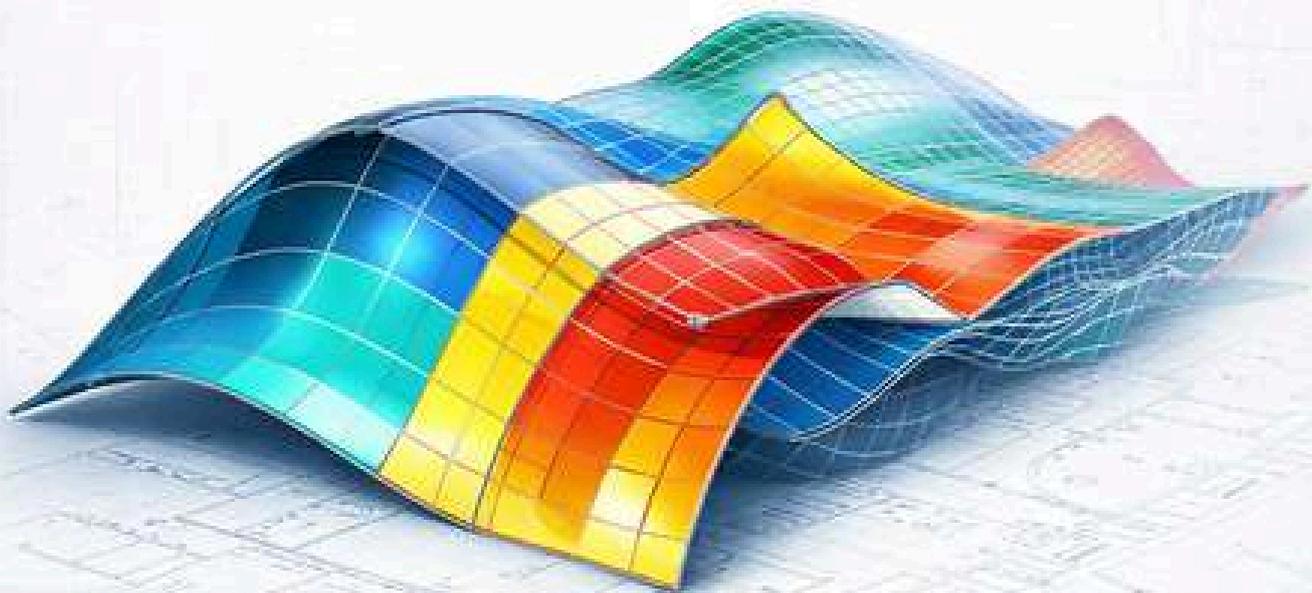
# Layout

Session	Topic	Commands	Student Sign
9	Layouts	Layout New layout From template Page setup Rectangular Viewports Polygonal Viewports Object view ports Clip Lock Unlock Insert view Viewports <ul style="list-style-type: none"> <li>• Single</li> <li>• Two Vertical</li> <li>• Two Horizontal</li> <li>• Three Right</li> <li>• Three Left</li> <li>• Three Above</li> <li>• Three Below</li> <li>• Three Vertical</li> <li>• Three Horizontal</li> <li>• Four Equal</li> </ul> Annotate <ul style="list-style-type: none"> <li>• Dimension</li> </ul> Insert <ul style="list-style-type: none"> <li>• Attach picture</li> </ul> Output <ul style="list-style-type: none"> <li>• Export</li> </ul> Pdf Format	45 Min

# AUTOCAD

LEVEL – 2 (PROFESSIONAL)

SURFACE • PROJECT



# Surface

Session	Topic	Commands	Student Sign
10	Surface	Extrude Planar Revolve Loft Sweep Patch Offset Network Trim Untrim Extend Sculpt Fillet Blend	45 Min

Session	Topic	Commands	Student Sign
11	Surface	Surface associativity Nurbs creation Cv edit bar Convert to nurbs Show cv Hide cv Rebuild Add Remove Extract isolines Auto trim Project to ucs Project to view Project to 2 points	45 Min

*Project*

Session	Topic	Commands	Student Sign
12	Project	Industrial Project	45 Min

