



# SMART TRAINERS

## LESSON PLAN FOR

### AutoCAD Architecture

COURSE TITLE: <b>AutoCAD Architecture</b>	COURSECODE: <b>CB5038</b>	CREDIT HOURS: <b>01</b>	DURATION: <b>08 Weeks</b> ( 03 Classes Each Week )
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COURSE INSTRUCTOR: **Chandar Kumar**

Batch: <b>03</b>	Course Starting Date: 30/05/2025	Course Suspension Date: 30/07/2025
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**COURSE LEARNING OUTCOMES:** Upon successful completion of the course, the student will be able to:

CLO	Description	Level
01	Utilize all <b>AutoCAD Basic to Advanced commands</b> through different Trick and techniques	C1
02	Practical works, practical knowledge about how to create different <b>2D &amp; 3D Floor plans, elevation, sections and AutoCAD documentation</b>	C2

#### LESSON CONTENTS AND ASSOCIATED CLO(s)

Contents	CLO No.	Marks Assigned	Delivery Methods	Assessment Methods (Marks)
<ul style="list-style-type: none"> <li>• Installation of AutoCAD</li> <li>• Introduction to AutoCAD Main Menu (01,02,03)</li> <li>• Units and Limits</li> <li>• Precision Drawing Tool 01, 02</li> <li>• Line Command, drawing line with different Angles and Dimensions</li> <li>• Changing Properties of Line</li> <li>• Join and Explode Command</li> <li>• Dimension Style</li> <li>• Poly Line and Polygon Command</li> <li>• Rectangle, Arch and Circle Command</li> <li>• Drawing Lines with different fillet Radius and Curves</li> <li>• Ellipse, Spline and Point</li> <li>• Block command</li> <li>• Helix and Donut Command</li> <li>• Hatch, Gradient</li> <li>• Table Command &amp; Excel file attaching</li> <li>• Boundary and Region command</li> <li>• Single and Multiline Text</li> <li>• Express and Hyperlink</li> <li>• Measuring distance, Area, Radius, Diameter and Angle</li> <li>• Layers (creating, editing)</li> </ul>	01 & 02	50%	Online Lectures & Practical work	Test

<ul style="list-style-type: none"> <li>• Match Property</li> <li>• Erase, copy, Move and Mirror Command</li> <li>• Offset, Array, Rotate command</li> <li>• Break, Extend and Trim Command</li> <li>• Fillet and Chamfer Command</li> <li>• LISP Tools</li> <li>• Inserting Pdf and Images</li> <li>• Introduction to House Plan 01 &amp; 02</li> <li>• Guidelines for Designing the House Plan</li> <li>• Creating Location Plan for House</li> <li>• Designing Ground Floor Plan 01, 02 and 03</li> <li>• Dynamic Door &amp; Window Placement</li> <li>• Placing the Interior Fixtures</li> <li>• Adding Text &amp; Dimensions</li> <li>• 1<sup>st</sup> Floor Designing</li> <li>• Elevation and Section of House</li> <li>• Page Setup for Printing and Exporting of Drawings</li> <li>• Preparing the Plan for AutoCAD 3D Modeling</li> <li>• Drawing the Walls of House Plan in AutoCAD 3D</li> <li>• Finalizing the Walls of House Plan in AutoCAD 3D</li> <li>• Designing of Doors in AutoCAD 3D</li> <li>• Designing of Windows in AutoCAD 3D</li> <li>• Placing the Doors and Windows in AutoCAD 3D</li> <li>• Designing of Roofing Details of House in AutoCAD 3D</li> <li>• Finalizing the 3D View of House in AutoCAD</li> </ul>	01 & 02	50%	Online Lectures & Practical work	Test
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**.....GOOD LUCK.....**