

## COURSE TEMPLATE

### Application Details

*Category	FOCUS_AREA
*Focus Area/Industry	Industry 4.0,
*Sector	

### Course Details

*Course Name	AutoCAD Intermediate to Advanced (3 Days)		
*Course Overview	This course is designed to provide comprehensive training on Autodesk AutoCAD, a powerful computer-aided design (CAD) tool used for creating precise 2D and 3D drawings. Participants will learn essential drafting techniques, efficient drawing organization, and best practices for modifying and annotating designs. The course emphasizes practical, hands-on learning to ensure participants can confidently apply their skills in real-world engineering, architectural, and design projects.	*Course Objective	The main objective of this course is to introduce the advanced techniques and teaches you to be more proficient in your use of AutoCAD. This is done by teaching you how to recognize the best tool for the task, the best way to use that tool, and how to create new tools to accomplish tasks more efficiently.
*Target Group (By designation)	Architects and architectural drafters  Engineers (civil, mechanical, electrical, etc.)  Interior designers	Minimum Training Requirement (If any)	Existing user of AutoCAD (Experience 1 year and Below)

*Course Learning Outcome (CLO)	*CLO Statement		*Learning Domain
	Upon completion of this course, participants will be able to:		
	CLO 1	Learn to enhance 2D drawings using advanced text, table tools, and annotation techniques.	Skill - Level 1
	CLO 2	Gain the skills to create intelligent blocks and attributes for efficient and data-rich designs.	Skill - Level 1
	CLO 3	Master the tools for automating drawing outputs through plotting, publishing, and exporting.	Skill - Level 1
	CLO 4	Learn to manage and automate drawing packages using Sheet Set Manager effectively.	Skill - Level 2
	CLO 5	Apply best practices in managing layers and enforcing CAD standards for drawing consistency.	Skill - Level 2
	CLO 6	Customize system settings and the AutoCAD interface to boost productivity and workflow efficiency.	Skill - Level 2
	CLO 7		Please choose one
	CLO 8		Please choose one
	CLO 9		Please choose one
	CLO 10		Please choose one

### Mapping of Training Modules and CLO

*Module	*CLO	*Theory Duration (Hours)	*Practical Duration (Hours)	Total Hours	Practical Elements (if any)
<b>Module 1: Text, Tables &amp; Annotation</b> - Explore advanced techniques for adding smart text, tables, and annotations to enhance drawing clarity and automation.	1	1	2.5	3.5	Creating Styles for each annotation and their tips.
<b>Module 2: Smart Blocks &amp; Attribute Usage</b> - Learn to build dynamic blocks and incorporate attributes to create intelligent, reusable content for efficient drafting.	2	1	2.5	3.5	Drawing geometrical objects, turned it into standard symbol. Making standard symbol as library
<b>Module 3: Publishing &amp; Output Tools</b> - Master plotting, page setup, and batch publishing tools to automate high-quality drawing outputs.	3	0	2.5	2.5	Applying the model into View port and explore the functionalities of viewports.
<b>Module 4: Sheet Set Essentials</b> - Use the Sheet Set Manager to organize, automate, and manage multi-sheet projects with smart title blocks and fields.	4	2	2.5	4.5	Automate the drawing plotting using sheet manager tools.
<b>Module 5: Layer &amp; Standard Management</b> - Implement efficient layer controls and enforce office drawing standards to ensure consistency and compliance.	5	1	2	3	Creating and managing layers.  Applying colors, line types, and line weights.  Using Match Layer and Match Properties to maintain
<b>Module 6: Custom Setup &amp; UI Optimization</b> - Customize the AutoCAD environment, commands, and interface to streamline workflows and improve productivity.	6	0	4	4	Exploring and creating a custom User Interface according to application.

[illegible]

				0	
				0	
				0	
				0	
				0	
Total Hours		5	16	0	
Grand Total Hours				21	

PRACTICAL CENTRIC:

N/A

#### Mapping of CLO with Training Strategies and Assessment Method

*CLO	*Training Strategy	*Assessment Method	*Assessment Weightage (%)
1,2,4,5	Lecture	Quiz	10
1,2,3,4,5,6	Hands-on	Demonstration	15
1,2,3,4,5,6	Hands-on	Demonstration	15
1,2,3,4,5,6	Hands-on	Demonstration	15
1,2,3,4,5,6	Hands-on	Demonstration	15
1,2,3,4,5,6	Hands-on	Demonstration	15
1,2,3,4,5,6	Hands-on	Demonstration	15
	Please choose one	Demonstration	
	Please choose one	Demonstration	
	Please choose one	Demonstration	
Total Weightage			100

Note:

1. \*compulsory field to be filled.

2. Fill the course details carefully in this excel document (soft copy) and submit this template via online submission form