

COURSE TEMPLATE

Application Details

*Category	FOCUS_AREA
*Focus Area/Industry	Smart Construction
*Sector	

Course Details

*Course Name	Autodesk Revit Architecture Training - 1 Day		
*Course Overview	This course is designed to provide comprehensive training on Autodesk Revit Architecture, a powerful Building Information Modeling (BIM) tool used for architectural design and documentation. Participants will learn how to create 3D models, produce 2D drawings, and manage project data efficiently within a collaborative environment. The course emphasizes practical, hands-on learning to ensure participants can confidently apply their skills in real-world architectural projects.	*Course Objective	By the end of this course, participants will be able to: Understand BIM Fundamentals: Grasp the principles of Building Information Modeling (BIM) and its applications in architectural design and project coordination. Navigate Autodesk Revit Effectively: Confidently use the Revit interface, tools, and workflows to streamline the design process. Develop Comprehensive Architectural Models: Create, edit, and manage architectural elements such as walls, floors, roofs. Participants should meet the following prerequisites to benefit fully from this training:
*Target Group (By designation)	This course is ideal for: Architects and Architectural Designers Professionals looking to transition to or enhance their skills in Building Information Modeling (BIM) using Autodesk Revit.	Minimum Training Requirement (If any)	Basic Computer Skills Knowledge of Architectural Design Concepts

*Course Learning Outcome (CLO)	*CLO Statement		*Learning Domain
	Upon completion of this course, participants will be able to:		
	CLO 1	Recognize the fundamental concepts of Building Information Modeling (BIM).	Knowledge - Level 1
	CLO 2	Explain the role of Autodesk Revit in architectural design and project workflows.	Knowledge - Level 2
	CLO 3	Demonstrate the ability to create and modify architectural elements such as walls, doors, and windows using	Skill - Level 3
	CLO 4	Analyze and interpret 3D models to generate accurate construction documentation.	Skill - Level 4
	CLO 5	Evaluate and troubleshoot design conflicts using Revit's collaboration and coordination tools.	Skill - Level 5
	CLO 6	Display proactive collaboration skills in a team environment using BIM processes.	Attitude - Level 3
	CLO 7	Adapt to technological advancements by integrating Revit tools for design visualization and productivity.	Attitude - Level 4
	CLO 8	Advocate for the adoption of BIM in architectural projects to improve efficiency and project outcomes.	Attitude - Level 5
	CLO 9	Develop custom Revit families to meet specific project requirements and enhance model accuracy.	Skill - Level 4
	CLO 10	Apply BIM standards and practices to ensure consistency and quality in Revit projects.	Knowledge - Level 3

Mapping of Training Modules and CLO

*Module	*CLO	*Theory Duration (Hours)	*Practical Duration (Hours)	Total Hours	Practical Elements (if any)
Introduction to BIM and Revit Overview of Building Information Modeling (BIM), Benefits of Revit in Architectural Projects	1 , 2	1	0	1	N/A
Basic Navigation and Interface Exploring the Revit Interface, Project Setup, and File Management	3	0.5	1	1.5	Navigating menus, toolbars, project browser, and setting up a new project
Architectural Modeling Basics Creating and Modifying Walls, Doors, and Windows; Adding Floors and Roofs	3 , 4	1	2	3	Hands-on creation of walls, doors, windows, floors, and roofs in a simple project
Documentation and Annotation Adding Dimensions, Tags, and Annotations; Generating Sheets and Schedules	4	0.5	1	1.5	Applying dimensions, text, and symbols; creating and organizing drawing sheets
				0	
				0	

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				0	
Total Hours		3	4	7	
		Grand Total Hours			

PRACTICAL CENTRIC:

N/A

Mapping of CLO with Training Strategies and Assessment Method

*CLO	*Training Strategy	*Assessment Method	*Assessment Weightage (%)
1	Lecture	Quiz	5
2	Lecture	Quiz	5
3	Hands-on	Demonstration	10
4	Hands-on	Demonstration	10
5	Hands-on	Others	10
6	Hands-on	Others	10
7	Hands-on	Others	10
8	Hands-on	Presentation	10
9	Hands-on	Demonstration	15
10	Lecture	Written Assignment	15
Total Weightage			100

Note:

- *compulsory field to be filled.
- Fill the course details carefully in this excel document (soft copy) and submit this template via online submission form