

COURSE TEMPLATE

Application Details

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

Course Details

*Course Name	Autodesk Revit - Family Creation		
*Course Overview	The course explains on the methodologies to create custom building blocks and components, covering topics such as family template, family, parameter, reference plane, reference line and some common methods to create parametric and non-parametric families. By the end, attendees will be equipped to manage and create families for project success.	*Course Objective	This course will provide participants with: <ul style="list-style-type: none"> - Learn the foundational concepts of Revit family. - Gain familiarity with Revit Family user interface. - Create and edit parametric and non-parametric family.
*Target Group (By designation)	1. Construction Professionals: Project Managers, Site supervisor, Field workers. 2. Architects and Engineers 3. Building Information Modelling (BIM) Specialists	Minimum Training Requirement (If any)	2 days (16 hours)

*Course Learning Outcome (CLO)	*CLO Statement		*Learning Domain
	Upon completion of this course, participants will be able to:		
	CLO 1	Understanding the foundational concepts of Revit family	Knowledge - Level 2
	CLO 2	Understanding the different approaches to create Revit family.	Knowledge - Level 2
	CLO 3	Creating parametric and non-parametric family.	Knowledge - Level 6
	CLO 4		Please choose one
	CLO 5		Please choose one
	CLO 6		Please choose one
	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)
1. Foundational concepts of Revit family <ul style="list-style-type: none"> - Terminology in creating Revit families - Type of Family Template used in Revit families - Definition and relationship between family, family category, family type and parameter. - Relationship between Family Parameter, Project parameter and shared parameter. - Relationship between Instance Parameter and Type Parameter. - Usage of Reference Plane and Reference Line. 	1,2	2	0	2	
2. Approaches to create Revit family <ul style="list-style-type: none"> - Use of dimension and align. - Use of visibility. - Use of array. - Use of formula. - Use of nested family. 	2,3	2	0	2	
3. Practical application and family development <ul style="list-style-type: none"> - Hands On: FFU Family Creation - Hands On: Door Family Creation - Hands On: Wall Panel Family Creation 	3	0	12	12	
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				0	
				0	

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				0	
				0	
Total Hours		4	12	0	
		Grand Total Hours		16	

PRACTICAL CENTRIC:

N/A

Mapping of CLO with Training Strategies and Assessment Method

*CLO	*Training Strategy	*Assessment Method	*Assessment Weightage (%)
CLO 1	Lecture	Quiz	10
CLO 2	Hands-on	Quiz	30
CLO 3	Hands-on	Quiz	60
CLO 4	Please choose one	Please choose one	
CLO 5	Please choose one	Please choose one	
	Please choose one	Please choose one	
	Please choose one	Please choose one	
	Please choose one	Please choose one	
	Please choose one	Please choose one	
	Please choose one	Please choose one	
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