



LEARNING HORIZON

LESSON PLAN FOR REVIT ARCHITECTURE COURSE

COURSE TITLE: Create 2d plan and 3d Model in Revit	COURSECODE: CB5038	CREDIT HOURS: 01	DURATION: 06 Weeks (03 Classes Each Week)
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COURSE INSTRUCTOR: Armash Khanzada

Batch: 04	Course Starting Date: 25/01/2025	Course Suspension Date: 01/02/2025
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COURSE LEARNING OUTCOMES: Upon successful completion of the course, the student will be able to:

CLO	Description	Level
01	Learn to create 2D and 3D model in Revit.	C1
02	Create Projects Floor Plans, Ceiling Plans, Elevations, Sections, Details, 3D Views	C2

LESSON CONTENTS AND ASSOCIATED CLO(s)

Contents	CLO No.	Marks Assigned	Delivery Methods	Assessment Methods (Marks)
<p>1) Introduction Of Revit</p> <ul style="list-style-type: none"> • Welcome screen and templates • Creating a new Project Panels menus and tools overview • Setting up tools panels and preferences <p>2) Creating Projects</p> <ul style="list-style-type: none"> • Floor Plans, Ceiling Plans, Elevations, • Sections, Details, 3D Views • View Organization • Legends, Schedules • Sheets, Families, Groups, Revit Links • View Navigation <p>3) Basic Architecture Modelling</p> <ul style="list-style-type: none"> • Add Walls, doors, Windows, Floors, Roofs • Properties Palette / Options Bar • Draw Options • Element Selection / Selection Filters 	01 & 02	50%	Online Lectures & Practical work	Test

<ul style="list-style-type: none"> • Modify Elements: Edit Tools / Modify Tools • / Geometry Tools • Load Content/Family Libraries • Parametric Constraints (Level, Align, EQ, Dimensional Lock) <p>4) Creating Interior Layout</p> <ul style="list-style-type: none"> • Interior Layout • Rooms, Room Schedule, Door Schedule • Furniture, Fixtures, Equipment • Custom Wall types, Curtain Walls, Stacked • Walls <p>5) Add Detailing to your model.</p> <ul style="list-style-type: none"> • Ceiling View Properties • Automatic/Sketch Based Ceilings • Continuous Ceilings / Cloud Ceilings / Soffits <p>Light Fixtures / Ceiling Elements</p> <p>6) Output</p> <ul style="list-style-type: none"> • Creating Plans, Elevations, Sections Callouts, Details, Drafting • Printing/PDF/Settings • Export to DWFx/DWG/DGN/Settings • Export Renders & Images 	01 & 02	50%	Online Lectures & Practical work	Test
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