

AUTODESK[®] REVIT[®]

ARCHITECTURE



OVERVIEW

This live class covers the basics of Autodesk Revit Architecture, from schematic design through construction documents.

Students will be introduced to the concepts of Building Information Modeling and the tools for parametric design and documentation.

LEARNING OBJECTIVE

- Become familiar with the concepts and benefits of Building Information Modeling.
- Understand the fundamental concepts and features of Autodesk Revit Architecture.
- Use the Parametric 3D design tools to start designing projects.
- Use the automated tools for project documentation.
- Develop an initial level of comfort and confidence with Autodesk Revit Architecture through hands-on experience.
- Learn how to use Revit Architecture in a typical workflow.

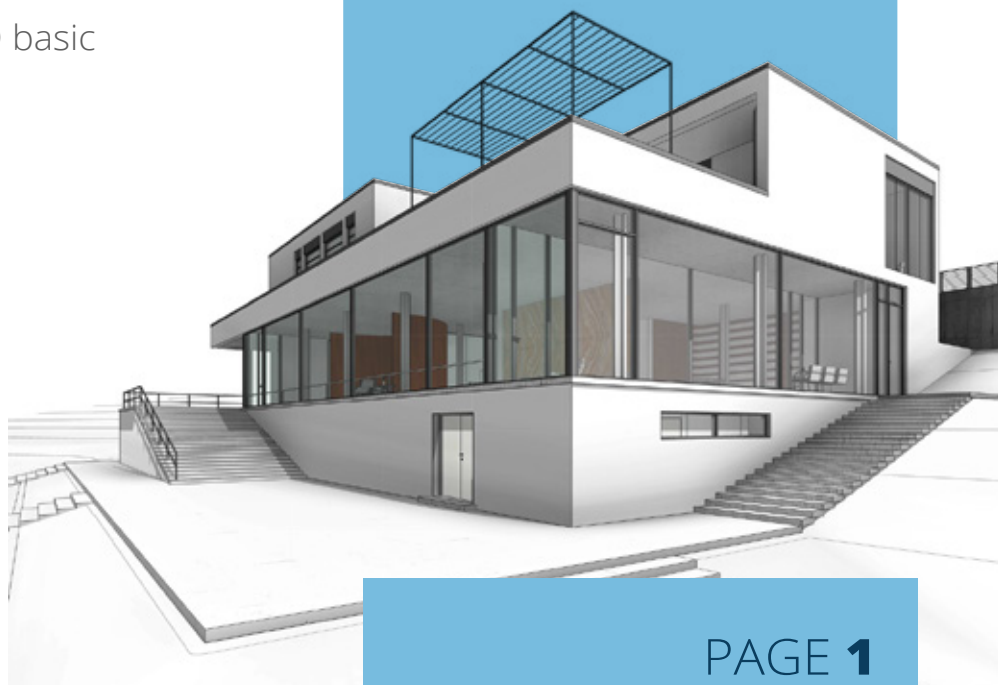
PREREQUISITES

Basic Computer skills, AutoCAD basic knowledge is an advantage

DURATION : 18 Days

**VENUE : Excellence
Training Centre**

PRICE: 2000 QAR



INTRODUCTION TO BUILDING INFORMATION MODELING (BIM) AND REVIT USER INTERFACE & PROJECT SETUP

1. Recent Files Screen
2. Creating a new Project
3. User Interface

PROJECT BROWSER / PROJECT ORGANIZATION

1. Floor Plans, Ceiling Plans, Elevations, Sections, Details, 3D Views
2. View Organization
3. Legends, Schedules
4. Sheets, Families, Groups, Revit Links
5. View Navigation Elements
6. Datum / Host Elements / Hosted Components / Views / Annotations
7. Levels / Grids / Reference Planes

BASIC ARCHITECTURAL MODELING

1. Add Walls, Doors, Windows, Floors, Roofs
2. Properties Palette / Options Bar
3. Draw Options
4. Element Selection / Selection Filters
5. Modify Elements: Edit Tools / Modify Tools/ Geometry Tools
6. Load Content / Family Libraries
7. Parametric Constraints (Level, Align, EQ, Dimensional Lock)

VIEW CREATION AND PROPERTIES

1. Creating Plans, Elevations, Sections
2. Callouts, Details, Drafting Views
3. Duplicate Views
4. View Properties / View Control Bar / Visibility Graphics
5. 3D Orthographic Views / Perspective Views
6. Right Click Menu Option

BASIC STRUCTURAL MODELING

1. Grids
2. Columns
3. Floor Slabs / Slab Edges
4. Foundations

DEVELOP A PROJECT

1. Interior Layout
2. Rooms, Room Schedule, Door Schedule
3. Furniture, Fixtures, Equipment
4. Custom Wall types, Curtain Walls, Stacked Walls

MORE VIEWS

1. Color Fill Plans / Shadows
2. Perspective Camera View
3. 3D View Oriented to Other View

CEILINGS

1. Ceiling View Properties
2. Automatic / Sketch Based Ceilings
3. Continuous Ceilings / Cloud Ceilings / Soffits
4. Light Fixtures / Ceiling Elements

DETAILING

1. Annotating Detail Views
2. Importing CAD Details
3. Detail Lines / Detail Components
4. Edit Cut Profile
5. Lock 3D View
6. Detail Groups & Group Editor

VERTICAL CIRCULATION & PENETRATIONS

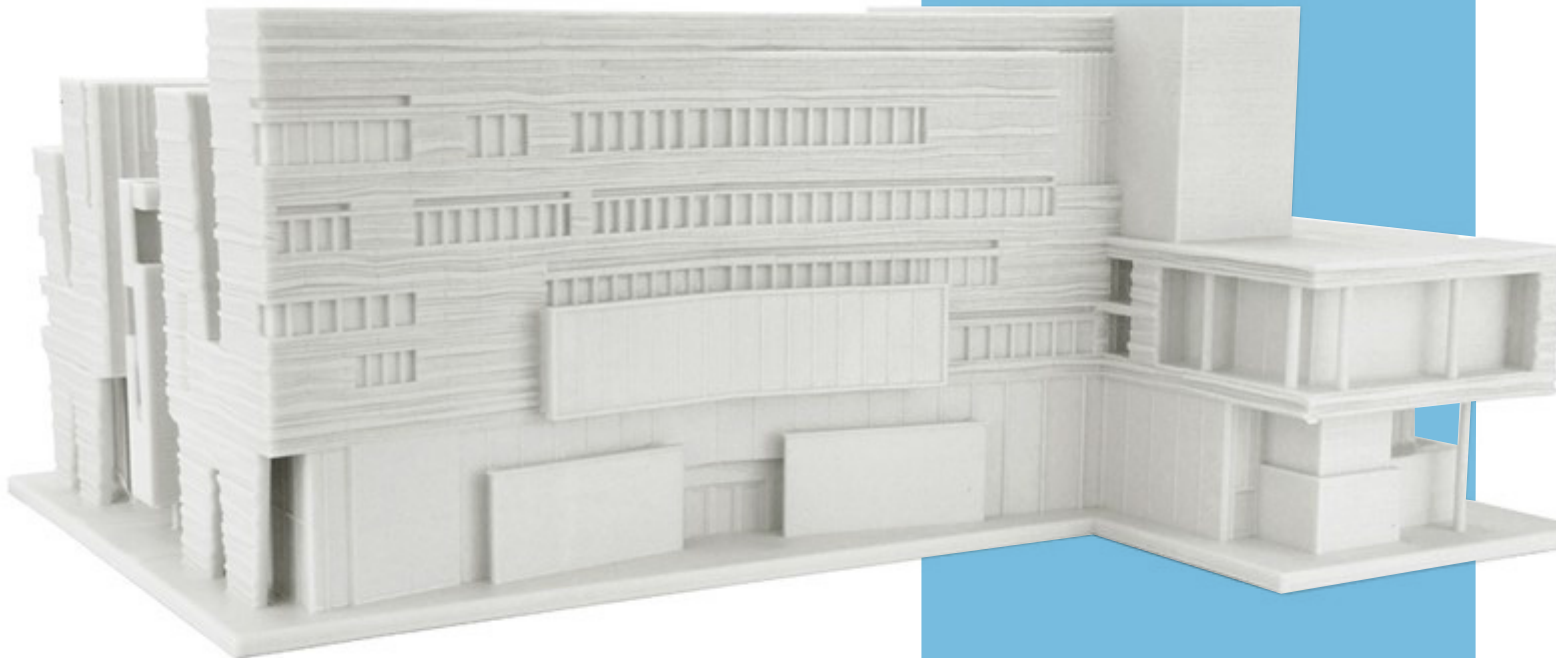
1. Stairs, Ramps, Elevators
2. Railings / Railing Extensions
3. Multi-Level vs. Single Story
4. Sketch Stairs / Component Stairs
5. Shaft Opening

ANNOTATION AND SHEET COMPOSITION

1. Model Views, Schedules, Legends, Drafting Views
2. Tags, Keynotes, Dimensions, Symbols, Detail Components
3. Creating Sheets, Adding Views, Activating/Deactivating Views
4. Issues and Revisions

OUTPUT

1. Printing / PDF / Settings
2. Export to DWFx / DWG / DGN / Settings
3. Export to IFC, gbXML
4. Export Images





FOR INQUIRIES

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