M TECH

Course Title : Revit Architecture 2015 - Fundamentals

Duration : 3 days / 24 hours   **Cost :** 12,000 THB Per Person

Courseware description

This course covers the basics of Revit Architecture, from architectural schematic design through construction documentation. Participants are introduced to the concepts of Building Information Modeling and the tools for parametric design and documentation. This course is designed for any new or intermediate user of Revit Architecture.

Course Objectives : After completing this class, you will be able to :

- Understand the purpose of Building Information Management (BIM) and how it is applied in Revit
- Using the Revit Architecture workspace and interface
- Working with the basic drawing and editing tools in Revit
- Creating Levels and Grids as datum elements for the model
- Creating a 3D building model with walls, curtain walls, windows, and doors
- Set up a project using different templates, link Revit models, share projects using work-sets, define discipline settings, and import and edit DWG details
- Adding floors and roofs to the building model
- Creating standard and custom stairs
- Detailing reflected ceiling plans with ceilings and lighting fixtures
- Adding component features, such as furniture and equipment.
- Setting up sheets for plotting with text, dimensions, details, tags, and schedules
- Creating details
- Add title-blocks to a sheet, update the project information in a title-block, and work with sheets

Who Should Attend :

- Create the building model from linking CAD formats. (100%)

Topics: The main topics covered in the course include :

- Creating Custom Templates
- Custom Schedules, including material takeoff
- Custom Walls, Roofs and Floors
- Family Concepts and Techniques
- In-place Families
- Family Profiles
- Annotation Families
- Shared Parameters

AUTODESK
Authorized Training Center
Certification Center
02-652-8883
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Day 1

Building Information Modeling in Revit Architecture

- Building Information Modeling
- Overview of the Revit Architecture Interface
- Revit Architecture Terminology
- Starting Revit Projects
- Viewing Commands
- Introduction to Revit Architecture
- Basic Drawing and Editing Tools
- General Drawing Tool
- Editing Revit Elements
- Basic Modifying Tools
- Datum Elements – Levels and Grids
- Setting Up Levels
- Importing CAD Files
- Creating Structural Grids
- Adding Columns
- Drawing and Modifying Walls
- Drawing and Modifying Walls
- Helpful Editing Tools

Day 2

Floors, Walls, Doors, Windows and Views

- Adding Doors and Windows
- Loading Door and Window Types from the Library
- Creating Additional Door and Window Sizes
- Curtain Walls
- Creating Curtain Walls
- Adding Curtain Grids
- Working with Curtain Wall Panels
- Attaching Mullions to Curtain Grids
- Creating Views
- Duplicating Views
- Adding Callout Views
- Setting the View Display
- Creating Elevations
- Creating Sections
- Floors
- Creating Floors
- Creating Shaft Openings
- Creating Sloped Floors

Day 3

Components

- Adding Components
- Reflected Ceiling Plans
- Creating Ceilings
- Ceiling Soffits
- Adding Ceiling Fixtures

Construction Documents

- Setting up sheets
- Placing and modifying views on sheets
- Printing sheets

Annotating Construction Documents

- Working with dimensions
- Working with text
- Adding detail lines and symbols
- Creating legends

Tags and Schedules

- Adding tags
- Working with schedules
- Creating schedules

Revit Architecture assessment tests after training

- Revit Architecture model tests