



Building Information Modeling (BIM) using Autodesk Revit Architecture (Duration: 80 Hrs) Course Curriculum

Chapter 1: Introduction to BIM and Autodesk Revit

- BIM and Autodesk Revit
- Overview of the interface
- Starting Projects
- Viewing Commands

Chapter 2: Basic Sketching and Modify Tools

- Using General Sketching Tools
- Editing Elements
- Working with Basic Modify Tools
- Working with Additional Modify Tools

Chapter 3: Setting Up Levels and Grids

- Setting Up Levels
- Creating Structural Grids
- Adding Columns
- Linking and Importing CAD Files

Chapter 4: Modeling Walls

- Modeling Walls
- Modifying Walls

Chapter 5: Working with Doors and Windows

- Inserting Doors and Windows
- Loading Door and Window Types from the Library
- Creating Additional Door and Window Sizes

Chapter 6: Working with Curtain Walls

- Creating Curtain Walls
- Adding Curtain Grids
- Working with Curtain Wall Panels
- Attaching Mullions to Curtain Grids

Chapter 7: Working with Views

- Setting the View Display
- Duplicating Views
- Adding Callout Views
- Creating Elevations and Sections

Chapter 8: Adding Components

- Adding Components
- Modifying Components

Chapter 9: Modeling Floors

- Modeling Floors
- Creating Shaft Openings

Chapter 10: Modeling Ceilings

- Modeling Ceilings
- Adding Ceiling Fixtures
- Creating Ceiling Soffits

Chapter 11: Modeling Roofs

- Modeling Roofs
- Creating Roofs by Footprint
- Establishing Work Planes
- Creating Roofs by Extrusion

Chapter 12: Modeling Stairs, Railings, and Ramps

- Creating Component Stairs
- Modifying Component Stairs
- Working with Railings
- Creating Ramps

Chapter 13: Creating Construction Documents

- Setting Up Sheets
- Placing and Modifying Views on Sheets
- Printing Sheets

Chapter 14: Annotating Construction Documents

- Working with Dimensions
- Working With Text
- Adding Detail Lines and Symbols
- Creating Legends

Chapter 15: Adding Tags and Schedules

- Adding Tags
- Adding Rooms and Room Tags
- Working with Schedules

- Work with Schedules

Chapter 16: Creating Details

- Setting Up Detail Views
- Adding Detail Components
- Annotating Details
- Keynoting and Keynote Legends

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