



# **Building Information Modeling (BIM) using Autodesk Revit MEP Instructor-Led Online Training (Duration: 60 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 Drawing and Modify Tools**

- Using General Drawing Tools
- Inserting Components
- Selecting and Editing Elements
- Working with Additional Modify Tools

## **Chapter 3: Basic System Tools**

- Connecting Components
- Working with Additional Modify Tools
- Creating Systems - Overview

## **Chapter 4: Starting System Projects**

- Linking in Revit Models
- Setting up Levels
- Copying & Monitoring Elements
- Batch Copying Fixtures
- Coordinating Linked Models

## **Chapter 5: Working with Views**

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

## **Chapter 6: Spaces and Zones**

- Preparing a Model for Spaces
- Adding Spaces

- Working with Spaces
- Creating Zones
- Creating Color Schemes

## **Chapter 7: Energy Analysis**

- Preparing a Project for Energy Analysis
- Analyzing the Heating and Cooling Loads
- Exporting for Secondary Analysis

## **Chapter 8: HVAC Networks**

- Adding Mechanical Equipment and Air Terminals
- Adding Ducts and Pipes
- Modifying Ducts and Pipes

## **Chapter 9: Plumbing Networks**

- Adding Plumbing Fixtures and Equipment
- Adding Plumbing Pipes
- Modifying Plumbing Pipes
- Adding Fire Protection Networks

## **Chapter 10: Advanced Systems for HVAC and Plumbing**

- Creating and Modifying Systems
- Creating Automatic Layouts
- Testing Systems

## **Chapter 11: Electrical Systems**

- About Electrical Systems
- Placing Electrical Components
- Creating Electrical Circuits
- Setting up Panel Schedules
- Adding Cable Trays and Conduit
- Testing Electrical Layouts

## **Chapter 12: Creating Construction Documents**

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

## **Chapter 13: Annotating Construction Documents**

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

## **Chapter 14: Adding Tags and Schedules**

- Adding Tags
- Working With Schedules
- Working with Schedules

## **Chapter 15: Creating Details**

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

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