



# Building Information Modelling using Revit MEP

Course Curriculum (Duration: 45 Days)

## 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
- 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: HVAC Networks

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



## **Chapter 8: Plumbing Networks**

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

## **Chapter 9: Advanced Systems for HVAC and Plumbing**

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

## **Chapter 10: Electrical Systems**

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

## **Chapter 11: Construction Documents**

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

## **Chapter 12: Annotating Construction Documents**

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

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