Revit MEP Course Outlines

Topic 1: Introduction to Autodesk Revit MEP

1.1 Building Information Modelling with
Revit MEP

1.2 Overview of the Revit MEP Interface
- Application Menu
- Quick Access Toolbar
- Ribbon
- Tooltips
- Options Bar
- Properties Palette
- Status Bar
- Drawing Windows

Topic-2 Basic Drawing and Editing Tools

2.1 General Drawing Tools
- User Interface Tools
- Drawings Aids
- Reference Planes

2.2 Editing Revit MEP Elements
- Selection Elements
- Standard Editing Tools
- Modifying Multiple Elements

2.3 Basic Modifying Tools
- Moving and Copying Elements
- Rotating Elements
- Mirroring Elements
- Creating Linear and Radial Arrays

2.4 Additional Editing Tools
- Aligning Elements
- Splitting Linear Elements
- Trim and Extend
- Offsetting Elements

Topic-3 Views

3.1 Duplicating Views
- Duplicating Types

3.2 Adding Callout Views
- Modifying Callout

3.3 Setting the View Display
- Underlays
- View Range
- Hiding Graphics in a view
- Overriding Graphics in a view

3.4 Creating Elevations
- Modifying the Elevation

3.5 Creating Sections
- Modifying Sections

3.6 Working with Ceilings
- Sketching Ceilings
- Modifying Ceilings

Topic-4 Construction Documents

4.1 Setting up Sheets
4.2 Placing and Modifying Views on Sheets
- Modifying Views ok Sheets
- Working Inside Views
4.3 Printing Sheets

Topic-5 Annotating Construction Documents

5.1 Working with Dimensions
- Modifying Dimensions

5.2 Working with Text
- Spell Checking
- Creating Text Types

5.3 Adding Detail Lines and Symbols
- Using Symbols
5.4 Creating Legends

Topic-6 Tags and Schedules

6.1 Adding Tags
- Tagging in 3D Views
- Tagging Multiple Elements

6.2 Working with Schedules
- Modifying Schedule
- Modifying a Schedule on a sheet
- Importing and Exporting Schedules

Topic-7 HVAC System
7.1 About HVAC System

7.2 Adding Air Terminals and Mechanical Equipment
- Air Terminal
- Mechanical Equipment

7.3 Adding Ductwork
- Modifying Ducts
- Working with Fittings

7.4 Creating Duct Systems

7.5 Automatic Ductwork Layouts
- Mechanical Settings
- Automatic Ductwork

Topic-8 Hydronic Piping System

8.1 About Hydronic Piping System

8.2 Adding Mechanical Equipment
- Mechanical Settings Piping

8.3 Drawing Piping
- Creating Parallel Pipes
- Modifying Pipes
- Working with fittings and Accessories

8.4 Automatic Piping Layout
- Automatic Piping Layouts

8.5 Fire Protection Systems

Topic-9 Plumbing Systems

9.1 About Plumbing Systems
- Modifying Views for plumbing

9.2 Adding Plumbing Fixtures
-Reference Planes

9.3 Drawing Piping for Plumbing System

- Modifying Plumbing Pipes
- Plumbing Pipe Fittings and Accessories

9.4 Working with Plumbing Systems
- Automatic Layouts
- Plumbing Schedules

Topic-10 Electrical Systems

10.1 About Electrical Systems
- Electrical Settings
-
10.2 Placing Electrical Components
- Electrical Equipment
- Electrical Devices
- Lighting Fixtures

10.3 Creating Electrical Circuits
- Creating Power Circuits
- Creating a Switch System
- Create Other Circuits

10.4 Cable Trays and Conduit
- Creating Parallel Conduit Runs
- Modifying Cable Tray and Conduit
- Adding Fittings

10.4 Electrical Panel Schedules
- Create Panel Schedules
- Modifying Panel Schedules