

Duration –2 Days

Who should attend?

New Autodesk Revit MEP users or other Autodesk software users who want to learn the essential elements of Autodesk Revit MEP software.

Learning Objectives:

To learn the fundamental features of Autodesk Revit MEP, how to use the 3D parametric design tools for creating and analysing a project, and finish with construction documentation and design visualisation.

Course Requirements:

Some experience in Revit Architecture is essential.
Microsoft®Windows®7 or **8** Draughting & Design Experience is a plus

• Project Set Up

- Preparing an architectural model
- Linking an architectural model
- Copying/monitoring levels
- Generating views
- View templates
- Setting up coordinates / coordinating linked projects

• Work Sharing and Worksets

- Worksets
- Creating a central file
- Opening a local file
- Changing workset editing status

• Simulate a Work Sharing Scenario

- Opening multiple local files and simulating workset borrowing mechanism
- Synchronising local files
- Placing and granting editing requests
- Moving items onto different worksets
- Using work-sharing display mode to visually distinguish workshared project elements

• Heating and Cooling Loads

- Defining spaces and zones
- Defining heating and cooling load settings
- Running heating and cooling load calculations

• Electrical Systems

- Adding electrical lighting fixtures, switches and electrical panels
- Generating a power and switch circuit and wires
- Creating a panel schedule

• Fire Protection Systems

- Add Fire Protection equipment
- Create a Fire Protection System
- Automatically generate Fire Protection Layout

• Plumbing Systems

- Adding plumbing fixtures
- Transferring project standard
- Creating a plumbing system
- Creating sloped pipework

Pipe Systems

- Adding mechanical equipment
- Creating new pipe systems
- Modifying pipework
- Adding, editing and removing insulation

• Schedules

- Creating a schedule
- Editing, formatting and sorting a schedule
- Calculating totals

• Filters

- Creating new filters
- Adding items to filters
- Controlling the visibility of filters

• Families (Basic)

- Creating reference planes
- Adding parameter
- Adding connectors
- Adding materials & identity properties

• Detailing and Drafting

- Section, detail and drafting views
- Generating views
- Add tags, text, symbols and dimensions

• Duct (HVAC) Systems

- Placing HVAC equipment
- Creating a duct system
- Generating ducts & duct placeholders
- Using duct/pipe sizing tools

• Construction Documentation

- Creating sheets, title blocks and printing sheets