

Description:

The two day instructor-led course will teach students to use Autodesk Revit MEP to model Plumbing & Fire Protection Systems. Instructor will use lectures and hands-on exercises to impart the technique of producing functional piping systems on a complete architectural building model.

At the end of the course, student will be able to start a new project, create different views, work with pipe settings, create sanitary, hot and cold water piping systems, dry and wet fire protection systems and produce drawing sheets for construction documents.

Learning Objectives:

Upon completion of this course, you will be able to:

- Use the fundamental features of Revit MEP
- Set up, import and link projects
- Create Sanitary, Hot and Cold water piping systems after placing plumbing fixtures
- Create automatic and manual layout of piping
- Specify mechanical pipe settings and routing preferences
- Create schedules
- Create Callout, Detail, Drafting views
- Annotate and produce sheets for construction documentation

Pre-requisites

This course is intended for Mechanical Plumbing & Fire Protection designers, drafters, modellers and engineers new to Revit MEP. Basic understanding of BIM and technical knowledge of plumbing/fire protection systems will be useful for this course.

Training Course Subjects

Delivery Mode: 2 Day (0930-1600)

Revit MEP Basics

Exploring User Interface
Working with Revit Elements and Families
Using Modifying Tools

Viewing the Model

Working with Views and View Templates
Controlling Object Visibilities
Create and Modify Section and Elevation Views
Working with 3D views

Starting a New project

Setting up a project
Importing AutoCAD 2D dwg into Revit
Working with Project and Shared Parameters
Linking a Revit Architecture Project
Define Discipline Settings

Using Collaboration Tools

Copy/Monitor
Running an Interference Check

Creating Piping Systems

Create a Sanitary System and generate automatic layout
Create Hot and Cold Water Piping System
Create Dry and Wet Fire Protection System
Generate Manual layout
Create new Pipe Type

Detailing and Drafting

Creating Callout views
Create Detail and Drafting Views

Annotations and Schedules

Working with text and tags
Adding Dimensions
Creating Legends
Working with Schedules

Construction Documentation

Create Titleblocks
Working with Sheets
Revisioning

Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the course participants.