

## Revit Mep

**Course duration:** 26 Hours

### **Course Content:**

#### Revit Mep Basics :-

1. Different between B.I.M & Cad .
2. Exploring the user interface.
3. Define objects & families and define types of families( hosted and non hosted ( system and non system) .
4. Define Templates & extensions.
5. Define eyes .
6. How to add Family
7. Define the Connectors.

#### Starting new project :-

1. How to open new project.
2. How to open new project with new Template .
3. How to link Revit Drawings.
4. How to link Cad Drawings.

#### Viewing the Model :-

1. What is the view in Revit ?
2. Creating and modifying 3d views & elevations
3. sections.
4. Define Visibility and graphics.
5. Define view range.
6. Under Lay.
7. How to link the Revit Drawings.
8. Copy and monitor System.
9. How to create ceiling and floor plan from Arch. Link.
10. How to create the spaces (Room Bounding).
11. callout

## HAVC

1. How to build the project data?
2. How to calculate the heating and cooling load?
3. How to add diffuser and grilles?
4. How to create and Draw duct work?
5. How to size the duct work?
1. How to generate HVAC System layout?
2. How to Create Piping and Fitting System?
3. How to Place AHU & F.C.U & Chillers .
4. location.

## Plumbing System :-

1. How to use the plumbing Fixture?
2. How to draw UPVC Piping & Fitting?
3. How to create the Slope?
4. How to create pipe material?
5. How to make Shaft?

## Fire Protection System :-

1. How to create Sprinkler system?
2. How to put the Fire Pump?
3. How to generate Fire Protection System?

## Electrical System :-

1. How to add Lighting Fixtures?
2. How to create wiring systems?
3. How to create switch systems?
4. How to create panel systems?
5. How to make balancing of phases?

## General :-

1. Define Copy & Trim & extend & break line.... Etc.
2. How to copy to another level?
3. How to create levels and grids?
4. How to make schedules and material take off?
5. How to create Filters?
6. How to Detect the clashes?
7. How to Create dimensions?
8. How to Create Tags?
9. Sheets.
10. Title blocks.
11. How to hide and Isolate elements?
12. How to export to dwg?
13. Material take off ....
14. difference between warnings and errors...
15. transfer project data ...
16. units
17. materials
18. purge
19. create and apply template.
20. schedule and quantities.
21. thin lines ....
22. render
23. detail line model line....
24. types of windows .....