

Revit MEP Course :-

Autodesk Revit MEP software for mechanical, electrical, and plumbing engineers help you to make 3d BIM Model for all MEP systems. Make Quantity take off , heating and cooling loads reports , panel schedules , Energy analysis, load classification and more .

course	Duration
Revit MEP basic course	20
Revit MEP Advanced course	20

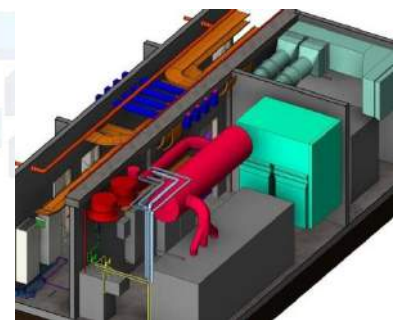


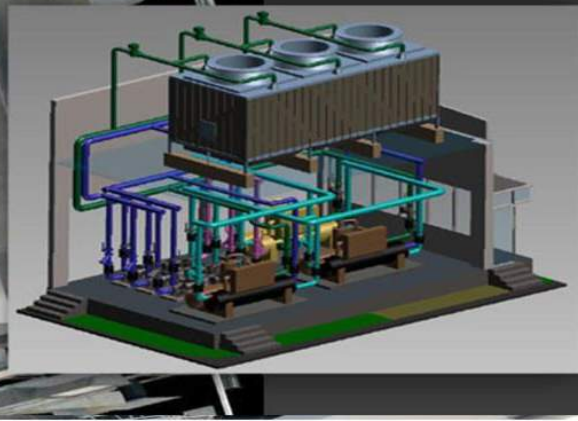
For Mechanical & Electrical engineer

**(HVAC , FIRE FIGHTING , PLUMBING , POWER , LIGHTING , LOW
CURRENT SYSTEMS)**

Training materials: Autodesk official training materials

Prerequisites: There are no required prerequisites for the Essential course .





Revit MEP basic course

Course Objectives :

The primary objective of this course is to teach students the concept of building information modeling and introduce the tools for parametric engineering design and documentation using Revit MEP.

Outline:-

Day 1

Building Information Modeling (BIM).
Exploring the User Interface
Starting a Project
Viewing commands
Overview and Basic Drawing Tools
Linking Revit Models
Copying and Monitoring Linked Files
Setting up Levels

Day 3

Analyzing the Heating and Cooling Loads
Working With Ceilings
View Range
Library
HVAC Systems
Duct Systems
Hydronic Piping Systems
Fire Protection Systems

Day 5

About lighting Systems
Placing lighting fixtures
Rendering
about low current systems
Plumbing Systems
Piping for Plumbing Systems

Day 2

Duplicating Views
Adding Callout Views
Setting the View Display
Creating Elevations
Creating Sections
Revit MEP Systems settings
Working with Components
Visibility and graphics
Spaces and Zones
Creating Color Schemes

Day 4

About Electrical Systems
Placing Electrical Components
Creating Electrical Circuits
Cable Trays and Conduit
Electrical Panel Schedules

Day 6

Construction Documents
Adding Detail Lines and Symbols
Creating Legends
Tags and Schedules
Detailing in Revit MEP
Importing and Exporting



Revit MEP advanced

Course Objectives :

The primary objective of this course is to teach you the powerful tools and advanced techniques for creating complex designs , creating advanced systems, creating and customizing families

Outline:-

Day 1

Visual Styles
Material
Crop Regions
Matchlines
Cut Patterns
Callout Views
Detailing in Revit MEP
Importing and Exporting

Day 3

Dimensions and Constraints
Spot (Elevations- Coordinates- Slopes)
Creating Color Schemes
3d view annotation
Shared parameters
Parameters
Create project templates
Revision
Create titleblock

Day 5

Sheets
Viewports
Energy Analysis
Transfer project standards
Schedules and quantities
Fabrication parts
Mechanical fabrication parts
Electrical fabrication parts
Plumbing fabrication parts
Draft

Day 2

Central file
Work sharing
Collaboration and coordination
Worksets
Walkthroughs
Interference check
Coordination

Day 4

Host recognize
Team work application project (1 hour application)
Creating MEP Families
Family Edit
Family type
Sketching solid extrusions and voids
Aligning and locking geometry Constraints

Day 6

Linking cad files
Exporting cad files
Make Architecture model from autocad principal for Navisworks
Make project template
Quiz
Revesion
Addins and plugins