

Revit MEP Course contents

Session No.	Session Contents
1	<p>Getting Started, Fundamentals, Beginning a Project</p> <ul style="list-style-type: none"> Describe Building Information Modeling (BIM) Explain the collaborative workflow process Working with the Revit User Interface Using fundamental commands to draw and edit elements Creating 2D drafting elements and views with Revit MEP Creating sheet views for plotting
2	<p>Getting Started, Fundamentals, Beginning a Project</p> <ul style="list-style-type: none"> Begin a new multi-user project with worksharing Import or link background files Use Copy/Monitor to add levels to a MEP project Add spaces, space names, and space numbers Creating a Spaces/Areas Schedule
3	<p>Mechanical HVAC</p> <ul style="list-style-type: none"> Edit Project Information Edit Energy Analysis settings for the project and for each individual space within the project. Create Heating/Cooling Zones Calculate heating and cooling loads using the integrated tools provided with Revit MEP Apply calculated airflows to space elements Create HVAC schedules
4	<p>Mechanical HVAC</p> <ul style="list-style-type: none"> Locate Air Terminals and create a supply air system Size and draw duct layouts Add Mechanical Equipment Connect mechanical equipment
5	<p>Mechanical HVAC</p> <ul style="list-style-type: none"> Create hydronic pipe systems Add hydronic pipe and equipment Add callouts, labels, schedules, and notes Create sheet views for plotting
6	<p>Plumbing</p> <ul style="list-style-type: none"> Add Revit MEP plumbing fixtures Create Pipe types Create water and waste systems Add, size, and edit piping Create plan views of piping systems Create riser diagram views of piping systems

	<ul style="list-style-type: none"> • Create plumbing fixture schedules • Add callouts, labels, and notes • Create sheet views for plotting
7	<p>Mechanical Piping</p> <ul style="list-style-type: none"> • Mechanical Pipe Settings • Creating System • Creating Fittings for System Pipes • Pipe Material, Pipe Sizing Table, Fluids Table • Pipe Routing Options • Automatic Pipe Routing • Manual Pipe Routing • Pipe Fittings Using Pipe Fitting Controls • Placing Fittings • Visibility of Pipes
8	<p>Electrical</p> <ul style="list-style-type: none"> • Use spaces to determine illumination levels • Add lights and power devices to floor plans • Add switching • Create power circuits
9	<p>Electrical</p> <ul style="list-style-type: none"> • Complete lighting and power plans • Connect mechanical equipment • Add wiring circuits • Add panels and create custom panel schedules • Add conduit and cable tray • Add callouts, labels, and notes • Create sheet views for plotting
10	<p>Electrical, Fire Alarm System</p> <ul style="list-style-type: none"> • Add wiring circuits • Add panels and create custom panel schedules • Add callouts, labels, and notes • Create sheet views for plotting • General Revision