

AFFORDABLE BIM TRAINING 2017

REVIT MEP ESSENTIAL

RM 900

INCLUSIVE GST

MYBIM CENTRE
LEVEL 11, SUNWAY
PUTRA TOWER
100 JALAN PUTRA,
50350 KUALA LUMPUR

25

CCD
Points

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COURSE DESCRIPTION

This course is designed for new users of Revit MEP.

This class covers the basics of Autodesk® Revit® MEP, from engineering design through construction documentation.

Participants will be introduced to the concepts of Building Information Modeling and the tools for parametric design and documentation.

PREREQUISITE

- MEP engineering principles
- Knowledge of Microsoft® Windows.
- Architectural design, drafting or engineering experience is recommended

COURSE OUTLINE

DAY 1 (9.00 am— 5.00 pm)

Introduction to Autodesk Revit MEP

- Building Information Modelling (BIM) with Revit MEP
- Overview of the Revit MEP Interface
- Opening a Revit MEP Project
- Viewing Commands

Basic Drawing and Editing Tools

- General Drawing Tools
- Editing Revit Elements
- Basic Modifying Tools
- Additional Editing Tools
- Starting Revit MEP Projects

Starting Revit Projects

- Linking Revit Models
- Copying and Monitoring Linked Files
- Setting up Levels

Views

- Duplicating Views
- Adding Callout Views
- Setting the View Display
- Creating Elevations
- Creating Sections
- Working With Ceilings

Autodesk Revit MEP Systems

- About Revit MEP Systems
- Working with Components
- Creating Systems – Overview
- System Graphics
- Connecting Components
- Analyzing Systems

Spaces and Zones

- Creating Spaces
- Creating Zones
- Creating Colour Schemes

Performance Analysis

- Introduction to Energy Analysis
- Preparing Energy Analysis
- Analyzing the Heating and Cooling Loads
- Exporting for Secondary Analysis

DAY 2 (9.00 am— 5.00 pm)

HVAC Systems

- About HVAC Systems
- Adding Air Terminals and Mechanical Equipment
- Adding Ductwork
- Creating Duct Systems
- Automatic Ductwork Layouts

Hydronic Piping Systems

- About Hydronic Piping Systems
- Adding Mechanical Equipment
- Drawing Piping
- Creating Hydronic Systems
- Automatic Piping Layouts
- Fire Protection Systems

Plumbing Systems

- About Plumbing Systems
- Adding Plumbing Fixtures
- Drawing Piping for Plumbing Systems
- Working with Plumbing Systems

DAY 3 (9.00am— 5.00pm)

Electrical Systems

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

Construction Documents

- Setting up Sheets
- Placing and Modifying Views on Sheets
- Printing Sheets

Annotating Construction Documents

- Working with Dimensions
- Working with Text
- Adding Detail Lines and Symbols
- Creating Legends

Tags and Schedules

- Adding Tags
- Working with Schedules
- Creating Schedules

Detailing in Revit MEP

- Setting Up Detail Views
- Creating Details
- Annotating Details, Patterning