

Vircon BIM Training – Intermediate Level for BIM Practitioners

Introduction

BIM enables a virtual information shared-based model to be handled from the design team (architects, surveyors, engineers of various disciplines), main contractors, sub-contractors to the owners/operators of the building.

This 15-hours comprehensive course will lead the participants to learn from creation of a BIM Project, information required in a building envelope, to implementation of 3D MEP modelling technique, up to Project completion. One of the highlights in this course is to illustrate the interrelationship of Mechanical, Electrical and Plumbing (MEP) systems with Architectural and Structural (Arch. &Struct.) requirements so that the learners will have a better understanding of the importance of co-relationship among different disciplines.

Learning Outcomes:

Upon completion of this 15-hours training course, the participants will be able to manage the 3D modelling technique well, are confident to handle a smallscale project with least supervisory and can work independently.

Course Description:

BIM Practitioner-Mechanical, Electrical and Plumbing (MEP) Training Course (Intermediate Level)

Course Code for CITF: PBT19-016

Course Outline:

1. Create a Project and Configure project settings (1 hour)
2. Introduction of MEP Equipment and System requirements (0.5 hour)
3. MEP Modelling1 (3 hours)
 - Draw Pipe / Duct in Plan and Section View
 - Draw a Sloped Pipe / Duct
 - Adjust CSD Model
4. MEP Modelling 2 (2.5 hours)
 - Links with Architectural and Structural Models
 - Clash Detection
 - Combine CBWD opening
5. Create Pipe and Duct Schedule (1 hour)
6. Basics of Families (3 hours)
7. Drawing Production (2.5 hours)
 - Visibility and Graphic Controls
 - Annotations and Details
 - Tags and Schedule View
 - Sheets, Plotting and Publishing
8. Assignment and End Assessment (1.5 hours)

Target Audience

1. Building Engineers working for Building / Structural Contracting Firms
2. BIM Modeler / Consultant working for Architectural, Structural, Quantity Survey and Building Services Consultancy firms, Building Project Management companies, and Developer of the Project.

Pre-requisite requirements

Basic knowledge* with hands-on experience in Revit is required;

Completion of Basic BIM training course is preferable

* Please refer to Vircon BIM Modelling Practical Course – Basic Level

Assessment:

Assignment and End Assessment

Award:

A certificate of completion will be awarded to the delegates with 80% of attendance and passing the end assessment.

Max. Class Size:

16 persons per class

Medium of Instruction

Chinese supplemented with English

Language of Training Materials

English

Duration for Training:

7.5 hours x 2 sessions (Full Time, FT) or

3 hours x 5 sessions (Part-time, PT)

Course Fee:

HKD3,000 per head