

Vircon BIM Training – Fuzor (Basic Level)

Introduction:

The concept of BIM (Building Information Modelling) has existed since the 1970s and the term “ Building Information Model” first appeared in a 1992 paper by G.A. Nederveen and F.P. Tolman but it did not become popularly used until some 10 years later, around 2002.

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 owner / operator of the building. This reduces information losses that traditionally occurred when a new team takes ‘ownership’ of the project, and provides more extensive information to owners of the project.

Virtual Design and Construction (VDC) is a new way to working with BIM for collaboration. As Fuzor is one of the VDC software providing effective collaboration between all parties. Fuzor is a next generation VDC solution for the construction industry which provides VR, Coordination, Collaboration, 4D construction simulation, 5D cost tracking and much more.

Learning Outcomes:

Upon completion of this two-days training course, the participants will be able to have a basic understanding of BIM and VDC environment, and how to use Fuzor to manage VDC environment and produce high quality deliverables , tracking the work progress of each trade and reducing abortive work done.

Course Description:

BIM Software Practical Course – Fuzor – Basic Level

Course Code for CITF: PBT19-019

Course Outline:

1. Introduction of BIM and VDC, BIM Workflow and Application (0.75 hour)
2. Data Format Exchange from BIM to VDC (Fuzor) (0.25 hour)
3. Fuzor Interface (1 hour)
4. Navigation Skills and Setup (1 hour)
 - Methods and Operation in Various Navigation Control Types
 - Avatar Setup and Control
 - Vehicle Setup and Control
5. Visibility Setting for Fuzor (1 hour)
 - Use of Visibility Override
 - Create and Modify of Fuzor Material
 - Set up of Weather and Light
6. Common Operation (1.5 hours)
 - Edit/ Add BIM Information
 - Control of Door Animation
 - Use of Measure & Annotation Tool
7. Clash and Spatial Analysis (1.5 hours)
 - Perform Interactive Clash Analysis
 - Perform Interactive Analysis for Vertical Clearance Issues
8. Flythrough/ Walkthrough (1.5 hours)
 - Create and Modify of Flythrough/Walkthrough Animation
 - Populate with Vehicles and Pedestrian Traffic

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| 9. 4D Construction Sequence | (4 hour) |
| – Import Tasks from External Project File | |
| – Control of Tasks and 4D Schedule | |
| – Create and Modify Sequence Animation | |
| 10. Others Deliverables from Fuzor | (1 hour) |
| 11. Assignment and End Assessment | (1.5 hours) |

Target Audience:

1. BIM Modeler / Consultant working for Architectural, Structural, Quantity Survey and Building Services Consultancy firms, Building Project Management companies, and Developer of the Project.
2. Those are interested in BIM/VDC Use
3. Suitable for applicants who are interested in this course

Pre-requisite requirement:

Nil

Assessment:

Assignment and end assessment

Award:

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

Max. Class Size:16

Medium of Instruction: Cantonese supplemented with English

Language of Training Materials:

English

Duration for Training:

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

Course Fee:

HKD3,600 per head