

BIM PROFICIENCY ACCREDITATION

BIM Modelling of Mechanical & Plumbing Systems



Develop BIM competency for modellers



Course Outcome

The developments of the course outcome are based on the international and local standards of scope of work, defined for BIM modelers roles and responsibilities. Therefore, it is targeted at skills sets to develop competency in hands-on technical skill, BIM knowledge and pro-active problem solving which are tailored to suit local requirement. Upon successful completion of this course, the participants are expected to :

- Operate 3D parametric modelling tool
- Extract and prepare design deliverables
- Apply BIM-based process flow for technical modelling
- Develop 3D model and interpret design for technical modelling
- Identify problems and challenges in delivering BIM-based process flow
- Utilise 3D BIM model as interaction, communication and collaboration tools



Course Outline

Day 1

Introduction

- Basic Software Navigation
- Tools Walkthrough
- Extraction of Information

Day 2

Model Authoring

- Setup Project Template
- Linking & Importing Drawing
- Creating View
- Load, Editing & Placement Plumbing Component
- Routing of Plumbing System

Day 3

Deliverable Extraction

- Load, Editing & Placement Mechanical Component
- Routing of Ducting System
- System Browser Checking
- Inteferece Check



Day 4

BIM Modeler Certification

- View Filtering
- Deliverable Extraction
- Documentation Output



Day 5

Revision & Exam



PRE-REQUISITES:

- + Completed BIM Concept & Theory training
- + Basic familiarity with BIM tools and concepts
- + Preferred: CAD drafting/modeling experience in construction projects
- + Knowledge in Architectural design, Drafting, or Engineering is beneficial

INQUIRIES? CONTACT US!



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