

BIM PROFICIENCY ACCREDITATION

# BIM Modelling of Project Quantification



Develop BIM competency for modellers



## Course Outcome

The developments of the course outcome are based on the practical approach and best practise to extract data from the intelligent BIM 3D Model for quantification. 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

- Fundamental of Project Quantification
- Roles & Responsibilities of Quantity Surveyor & Cost Engineer
- Basic software navigation
- Understanding usage of CS1-48 & SMMM2



## Day 3

### Deliverable Extraction

- 2D data extraction
- Schedule quantities & material takeoff
- Custom catalogue
- Data output and sharing



## Day 2

### Model Quantification Extraction

- Creating & Editing schedule
- Creating calculated & combined parameter
- Generate material take off
- Creating catalogue



## Day 4

### 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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