



CIDB BIM MODULE TRAINING

FUNDAMENTAL MODELLING OF STRUCTURE

22-25 MAY 2017
24-27 JULY 2017
11-14 SEPT 2017
13-16 NOV 2017

RM 1280

INCLUSIVE GST

myBIM Centre
Level 11, Sunway Putra Tower
100 Jalan Putra,
50350 Kuala Lumpur

COURSE DESCRIPTION

In this course, BIM Fundamental Modelling for Structure, the focus is given on developing technical competency to author, manage and extracting design deliverables using 3D parametric tools. The course will guide the participants through a step-by-step project based workflow to learn and implement BIM using a real project data. The training is therefore designed practically hands-on where the participants are required to model a digital 6-storey office building by focusing on structure element in a building.

PRE-REQUISITE

- a) Working knowledge of Microsoft® Windows® Operating Systems
- b) Knowledgeable of architectural design, drafting, or engineering
- c) CAD drafting or modelling experience in building and construction project is an extra advantage
- d) Basic knowledge of BIM tools and concept
- e) BIM Fundamental Concept and Theory

COURSE OUTLINE

DAY ONE

09.00 am – 4.30 pm

Introduction

- Introduction to basic concept
- Introduction to Revit interface

Introduction (cont)

- Revit features and function
- Model navigation

Creating Structure Modelling

- Link with architecture model
- Copy monitor (levels)
- Create new views in structural plans
- Importing drawing files
- Adding grid lines to the imported drawings

DAY TWO

09.00 am – 04.30 pm

Creating Structure Modelling (Cont)

- Customization component family libraries
- Adding structural columns
- Adding rectangular beams to the levels

Creating Structure Modelling (Cont)

- Creating structural floor
- Creating load bearing wall
- Draw wall opening
- Adding stumps
- Adding pile caps and square piles

Modelling Output

- Schedules / Quantities
- Calculate and produce total quantities in the schedule

Annotation and Tagging

- Labelling and tagging
- Dimensioning

DAY THREE

09.00 am – 4.30 pm

Creating Drawing Sheet

- Adding project information
- Creating sheet drawing
- Adding sheet to the project
- Adding new views in sheets

Creating Component Libraries

- Creating pile caps families
- Setup pile caps libraries parameters and pile caps material parameter

Creating Component Libraries (cont)

- Creating square piles
- Setup square piles parameters and square piles material parameter
- Create CIDB title block
- Setup parameters and text
- Inserting image in title block

DAY FOUR

09.00 am – 04.30 pm

Revision

Exam

