

## Certification Course in

# BIM Modelling (Structure Track)

## INTRODUCTION

Building Information Modelling (BIM) is a process that involves the generation and management of the information about a facility. BIM allows for great integration and collaboration among different building professionals of various disciplines to explore digitally, and can be used throughout the entire building process from design stage through construction stage and even post construction building management.

Currently, majority of the building plans have to be submitted in BIM format for regulatory approval. This 4-day Certification Course in BIM Modelling (Architecture / MEP / Structure track) aims to develop BIM capability and capacity in the industry so that firms could be ready for the full BIM implementation by 2015.

## OBJECTIVES

The objectives of this course are:

- To provide an understanding of BIM processes and benefits
- To equip participants the practical 3D BIM Structural Modelling skills and technical knowledge to start and support a project using BIM.
- To enable participants to be familiar with the e-submission template guideline

## CONTENTS

- BIM fundamentals
- BIM Tool User Interface
- Modelling a project
  - Template and inserting external files
  - Handling architectural controls
  - Modelling structure elements
  - Project documentation
- E-Submission project template
- Worksets and Worksharing
- DOL creation
- Calculation of Concrete Usage Index (CUI)

## LECTURER

**MR KARTHIK V**, Lead BIM Process Manager, ByBitech LLP

## ASSESSMENT AND AWARD

Certificate of Successful Completion (CSC) will be awarded to participants who meet the attendance requirement and pass the required assessment.

## PREREQUISITE

Applicants for this BIM Modelling Certification Course should possess CAD drafting / modelling experience in building and construction project.



## DETAILS

**Date:** 12 – 15 Jul 2022

**Duration:** 4 days (32 hours)

*Note: There will be interactive self-learning during the training.*

**Time:** 9.00am to 6.00pm

**Venue:** BCA Braddell Campus

**Fee** (incl of GST): S\$2,150

*SkillsFuture Singapore (SSG) funding is available for eligible participants as follows:*

- Singaporeans (40 years old and above) and/or SME company sponsored: Up to 70% of full course fee before GST. Fee payable after funding: S\$743.45 (incl. of GST)
- Singaporeans (25 years and above & below 40 years old), Singapore PR and/or non-SME company sponsored: Up to 50% of full course fee before GST. Fee payable after funding: S\$1,145.32 (incl. of GST)

*In keeping with our green and sustainable practices, course notes will be available in e-format.*

## TARGET AUDIENCE

- Modellers
- Project Coordinators
- Designers
- Engineers
- Project Managers



## REGISTRATION

Visit BCA Academy Online StoreFront (OSF) @  
<https://eservices.bcaa.edu.sg/registration/#/login>  
 (Course code: 77S75)