

## 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.

## 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

Electronic Certificate of Successful Completion (e-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

**Frequency:** Bi-annual

**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** (exclusive of GST): S\$2,009.35

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

Singaporeans 40 years old and above <u>OR</u> SME company sponsored Singaporeans or Singapore PRs. Fee payable after 70% funding support	S\$602.80 <i>(exclusive of GST)</i>
Singaporeans, Singapore PRs and non SME company sponsored participants. Fee payable after 50% funding support	S\$1,004.67 <i>(exclusive of GST)</i>

*Participant must achieve at least 75% attendance and pass all assessments. BCA Academy reserves the right to recover the funded amount from the participant (self-sponsored) or employer (company sponsored) if participant did not meet the eligibility criteria. Details of SSG's funding can be found in <https://www.enterprisejobskills.gov.sg/content/upgrade-skills/course-fee-and-absentee-payroll-funding.html> (TGS-2022012771)*

*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)