



PROFESSIONAL COURSE IN
BIM MANAGER
(PCBIM+)





COURSE DESCRIPTION

This Professional Certificate program is designed to equip participants with the knowledge and skills needed to excel as BIM Managers in the architecture, engineering, and construction industries. Participants have already grasped the know-how of revit modeling methods. This programme offers an opportunity to upskill the portfolio of participants in the BIM Industry.

BENEFIT OF THE PROGRAM

- ▶ Gain expertise in BIM standards, software, and collaboration techniques.
- ▶ Acquire practical skills through hands-on software training.
- ▶ Develop a strategic understanding of BIM implementation and management.
- ▶ Explore advanced BIM modeling techniques and real-world case studies.
- ▶ Receive a Professional Certificate upon successful completion, validating BIM management skills

1 ENTRY REQUIREMENT

- Successfully completed the Professional Certificate of BIM (PCBIM) by MTTC College

OR

- Proficient in Revit Modeling
- Possess extensive professional experience in the architecture, engineering, or construction industry (Minimum of 2 years working experience using BIM Software)
- Individuals with a background in project management or related roles within the AEC industry

2 COURSE DURATION

- 1 Month

3 TRAINING GUIDE

- Autodesk training guide, Essential handouts, notes and relevant case studies.

4 SOFTWARE

- Autodesk AutoCAD
- Autodesk Revit
- Autodesk Naviswork
- Autodesk Construction Cloud (ACC)

PROGRAMME OUTLINE

Outline	Description
Introduction	<ul style="list-style-type: none">▶ BIM Manager Role and Responsibility▶ BIM Organisational Competency and Checklist▶ BIM Standard<ul style="list-style-type: none">• ISO 19650• PAS 119-2 2013• BS 1192-2007▶ Regional BIM Standard and Practices
BIM Project Delivery	<ul style="list-style-type: none">▶ Employer Information Requirement (EIR)▶ Organisational Information Requirement (OIR)▶ Asset Information Requirement (AIR)▶ Common Data Environment (CDE)▶ BIM Execution Plan (BEP)▶ Master Information Delivery Plan (MIDP)▶ Task Information Delivery Plan (TIDP)▶ BIM Dimension Process Mapping<ul style="list-style-type: none">• 3D (Coordination)• 4D (Progress Simulation)• 5D (Costing)• 6D (Green Analysis)• 7D (Asset Management)
BIM Project Execution	<ul style="list-style-type: none">▶ Contract and Scope of Works▶ BIM Project Setup▶ Collaboration▶ Training and Input▶ Quality Assurance and Quality Check▶ BIM issues<ul style="list-style-type: none">• Software• Hardware• BIM Process
Final Project	<ul style="list-style-type: none">▶ Project consultations▶ Report assessment▶ Presentation

COURSE OUTCOMES

Participants will receive the following:

- Demonstrate a comprehensive understanding of the roles, responsibilities, and functions inherent in the role of a BIM Manager.
- Acknowledge and appreciate the important role of efficient information management within the organizational framework.
- Acquire foundational knowledge pertaining to BIM protocols, encompassing relevant industry standards.
- Demonstrate proficiency in developing process models and executing BIM Process Mapping strategies.
- Understand the early-stage development for Employer's Information Requirements (EIR) in the context of a BIM project.
- Gain insight into the corporate landscape of BIM competency and organizational readiness framework.