BUILDING INFORMATION MODELLING (BIM)

This course will help you develop a better understanding of BIM, the role it plays within the industry, and act as a gateway to further study in construction management and BIM. This course is suitable for construction professionals who want to learn more about BIM.

Course Details

Duration

5 Days

Target Group

- Project managers
- BIM managers
- Project owners
- Architects & Engineers

Pre-Requisite

- Basic knowledge in BIM Concept & Theory
- Diploma or Degree holder in AEC related course

Certification

- Autodesk Certificate of Completion

Course Objectives

After completing this course, participants are expected to be able to:

- Understand BIM-related roles, responsibilities, and job functions
- Understand all documentation in relation to BIM Deliverables and compliance (e.g., EIR, BEP, BIM Protocols, BIM Standards, etc.)
- Understand the importance of information management
- Develop BIM Process Mapping for modeling and coordination
- Understand CDE deployment
- Identify which collaboration technology is needed
- Understand BIM competency and organizational readiness framework
- Develop comprehensive BEP to underlines all scopes and for BIM Deliverables

Course Outline

Module 1: Introduction to BIM
- Roles and responsibilities in BIM Deployment
- Fundamentals of BIM Components

Module 2: BIM Technology
- BIM Tools
- Technical issues for BIM Tools

Module 3: BIM Protocol
- Process Mapping
- BIM - Reengineering Business Process
- BIM Process Map
- The National BIM Standard (NBIMS)
- BIM Process Modelling Exercise

Module 4: Employer Information Requirements (EIR)
- EIR Development Process
- EIR and Contract Document
- Discussion & Presentation on EIR

Module 5: BIM Execution Plan (BEP)
- Identify BIM Goals and Uses
- Designing the BIM Execution Plan
- Developing Information Exchanges
- Define supporting infrastructure
- Pre and Post Contract of BEP
- Matrix of Responsibilities of Stakeholders
- Task Information Delivery Plan (TIDP)
- Project Information Model (PIM)
- Discussion & Presentation for BEP

Module 6: BIM People
- Project Team Key Personnel Responsibilities
- Roles & Responsibilities of BIM Team
- Collaboration Process Mapping
- Project Managers in BIM Implementation

Module 7: Quality Plan & IT Solutions
- QAQC
- Software
- Hardware