

COURSE DESCRIPTION

This module is specifically designed for the individuals or organisations that are involved in the construction and keen to explore new technology with the aim to bring awareness of the recent developments in Building Information Modelling (BIM). The program explains and discusses BIM concept and theory, its benefits to the organisations, challenges and opportunities, case studies and the implementation. The participants will be able to discuss the impact of BIM deployment on their organisations, e.g. on their work practices, contracts, IT infrastructure and skills development.

TARGET GROUP

Architects, Draught person, Project Managers, Owners, Developers, Engineers, Surveyors, Designers, Contractors, Students.

COURSE DURATION

4 days (9.30am - 4.30pm)

COURSE CONTENT

Construction Industry Scenarios

- The Issue and Challenges
- Project Information Issue
- Client Leadership
- Improving the Industry Performance

Introduction To BIM

- The Evolution of AEC CAD
- The Evolution of the BIM Concept
- Key Advantages of the BIM Concept
- Lessons Learned from IEC Case Study

BIM Implementation

- The Approaches
- The Planning
- BIM Software and Application
- BIM Execution Plan
- Level of Detail and Level of Development (LOD)
- BIM Visualization
- Barriers to BIM Implementation
- Defining Roles and Responsibilities

Collaboration

- BIM and Collaboration Environment
- The Advantages of IPD
- Barriers to IPD Implementation