

Training Course Outline

Revit For BIM Coordinator

TRAINING COURSE OUTLINE

Revit For BIM Coordinator



COURSE DESCRIPTION

This course is designed to equip participants with comprehensive skills in managing and coordinating Building Information Modeling (BIM) using Autodesk Revit and Autodesk Navisworks. Participants will learn to address model issues, enhance collaboration, and ensure efficient documentation using a Common Data Environment (CDE) as the central repository for all project-related information. The course will also cover collaboration in multi-disciplinary disciplines, emphasizing the importance of effective communication and coordination among diverse project teams.



TARGET GROUP

This course is intended for BIM coordinators, project managers, architects, engineers, and other construction professionals involved in BIM project delivery who want to enhance their skills in model coordination and documentation.



COURSE DURATION

Full Time: 3 Days (10.30am to 5.30pm)



LEARNING OUTCOME

By the end of this course, participants will be able to:

- Identify and resolve common model issues in Autodesk Revit.
- Perform advanced coordination tasks using Autodesk Navisworks.
- Utilize a Common Data Environment (CDE) for effective documentation and model management.
- Implement best practices for BIM coordination and collaboration.
- Understand the importance of coordination for multi-disciplinary teams and facilitate effective communication among them.

CAREER PATH

BIM Modeller, BIM Technician, BIM Coordinator, BIM Manager, BIM Document Controller, Project Architect, Senior Architect, Project Manager

CERTIFICATE

MTTC Certificate of Completion will be issued to participants with full attendance record upon completion of training.

TRAINING COURSE OUTLINE

Revit For BIM

Coordinator

COURSE CONTENT



DAY 1

BIM Methodology & Guide

- Introduction
- BIM Concept
- Why BIM is important
- BIM Terminology
- Main feature of BIM
- BIM Methodology

BIM Management & Practice 1

- BIM in Project Lifecycle
- Roles and Responsibilities
- Type of BIM Software
- Issues & Limitation
- BIM Protocols
- BIM Process and Workflow
- BIM Execution Plan
- Common Data Environment (CDE)

BIM Execution Plan (BEP)

Introduction :

- BEP Purpose
- Scope
- Role & Responsibilities
- Team Contacts

Start Up :

- Software
- Project Coordinate & Geolocation
- BIM Model Organization
- File type, Naming & Sharing
- Model Content Requirements
- Level of Accuracy (LOA) & Tolerances
- Coordination Process & Schedule
- BIM Collaboration Procedures

Design Phase :

- Milestone Model Requirements
- BIM Milestones & Deliverables

Construction Phase :

- Record Model Development
- Record Drawings
- Construction Team Representation

DAY 2

BIM 3D Coordination

- Introduction to Navisworks
- File Management and Model Handling
- Navigation and Visualization Tools
- Selection and Visibility Control
- Clash Detection and Management

BIM 4D Coordination

- Integration with Project Schedules
- Timeliner Simulation and Visualization
- Analysis and Planning
- Reporting and Communication
- Updating and Revising

DAY 3

BIM Collaboration

- Introduction to Autodesk Construction Cloud
- Centralized Information Repository
- Collaboration and Communication
- Document Management
- Project Tracking and Reporting
- Integration and Interoperability