BIM FOR COORDINATOR TRAINING

Objectives

The main objective of this course is to teach participants the concept on model coordination works and the use of BIM tools for model management. After completing this course, participants are expected to be able to:

- ✓ Describe the process workflow for coordination of BIM Model
- ✓ Describe the use of BIM Model in checking design intent
- ✓ Open and append BIM Model from various sources and federate the model using related BIM Tools for model management
- ✓ Perform visual check of BIM Model and use the reports
- ✓ Review and audit integrity of model for accuracy and adequacy of model information
- ✓ Perform clash detective function for model clashes between multiple parties
- ✓ To prepare reports for clashed model and audit the report

Pre-Requisite
1. Basic knowledge in BIM Concept & Theory
2. Knowledgeable in architectural design, engineering or construction with working experience of minimum 2 years
3. Basic knowledge of BIM tools for model authoring

Duration
7- Day

Training Programme Day 1

Chapter	Topic	Duration	Time
Chapter 1	**Introduction to Revit** • Introduction to basic concept • Elevation setup • Project base point and survey point setup	**4-Hours**	**9.00 AM – 1.00 PM**
Chapter 2	**Parameter Setup** • Introduction to Parameters • Project Parameters setup • Shared Parameters setup	**3-Hours**	**2.00 PM- 5.00 PM**

Training Programme Day 2			
Chapter	**Topic**	**Duration**	**Time**
Chapter 3	**Customization of Schedules/ Quantities** • Customization project browser Schedules/ Quantities Setup • Producing and setup schedules/quantities • Schedule customization for cost estimation	**4-Hours**	**9.00 AM - 10.00 AM**
Chapter 4	**Creating and using Project Parameter** • Project parameter setup for family • Create Titleblock family for Sheets • Setup Titleblock parameters and text	**3-Hours**	**2.00 PM- 5.00 PM**

Training Programme Day 3			
Chapter	**Topic**	**Duration**	**Time**
Chapter 5	**Model Coordination** • Introduction to model coordination • Manage link model • Interference check for model elements and link models • Exporting interference report • Search and manage element model ID number • Autodesk Docs Data Sharing	**7-Hours**	**9.00 AM – 5.00 PM**

Training Programme Day 4			
Chapter	**Topic**	**Duration**	**Time**
Chapter 6	**Introduction to Navisworks** • Introduction to basic concept • Introduction to Navisworks • Export .rvt files to .nwc files format • Append Navisworks files • Load workspace	**4-Hours**	**9.00 AM - 10.00 AM**
Chapter 7	**Design Review** • Basic understanding of design review • Model cross-sectioning • Saving viewpoint	**3-Hours**	**2.00 PM- 5.00 PM**

Training Programme Day 5

Chapter	Topic	Duration	Time
Chapter 8	**Design Review (cont.)** • Mark-ups and Comments • Model measurement	**2-Hours**	**9.00 AM - 11.00 AM**
Chapter 9	**Design Review Reports** • Exporting design review report • Producing design review report	**2-Hours**	**11.00 AM - 1.00 PM**
Chapter 10	**Clash Analysis** • Setup search set for multiple discipline model	**3-Hours**	**2.00 PM-5.00 PM**

Training Programme Day 6

Chapter	Topic	Duration	Time
Chapter 11	**Clash Analysis (cont.)** • Setup clash analysis list • Run clash analysis test • Grouping clash	**4-Hours**	**9.00 AM - 10.00 AM**
Chapter 12	**Analysis Clash Result** • Exporting clash review report • Producing clash review report	**3-Hours**	**2.00 PM-5.00 PM**

Training Programme Day 7

Topic	Duration	Time
Revision	**4-Hours**	**09.00 AM - 01.00 PM**
Exam	**3-Hours**	**02.00 PM - 05.00 PM**