

Description

This course covers the basic of Building Information Modelling using Revit LT. During this course student will be taken through the building design process using all the basic commands and tools that enable you to create and edit a full 3D architectural project model as well as being introduced to presentation and documentation techniques.

Certification

An Advanced Spatial Technologies "Certificate of Completion" will be issued on completion of the course.

Objectives

On completion of this course, students will be able to demonstrate competency in commands, concepts and develop skills necessary to:

- Understand the Building Information Modelling (BIM) in Revit
- Navigate the Revit Architecture workspace and user interface
- Understand how the Revit is organized
- Work with the basic drawing and editing tools
- Create and setting all views and prepare them for creating the model
- Create a 3D building model with all basic building components
- Modify and adjust properties of building components and create new types
- Create details, schedules and add annotations to the views
- Present drawings on sheets for plotting

Pre-requisites

This course is designed for new users of Revit. No previous CAD experience required, but students are expected to have a sound level of computer literacy and an understanding of Architectural Design and Drafting.

Delivery Mode: 2 days (0900-1600)



Training Course Subjects

Getting Started with Revit

Introduction to the Principles of BIM
UI Tour & Project Navigation
View Creation
Introduction to Basic Revit Elements

Element Selection and Manipulation

Object Selection Methods
Element Properties
Instance and Type Parameters

Visibility Control and Categorisation

Project-Wide Settings
Controlling Object visibility
Controlling graphical display

Wall Creation and Manipulation

Wall types
Working with Levels
Attaching and Editing Walls

Floors, Roofs and Ceilings

Sketching Rules
Relating slabs to walls and
supporting framework
Basic Roof Design and Examples

Window, Door and Component Use

Family Terminology
Component Placement & Element Hosting

System Family Editing

Principles of Composite System Family Definition
Creating and Utilising a System Family Library

Basic Schedules and Legends

Creating Schedules
Creating Legends

Stairs and Railings

Star by Component
Hosted and Stand-alone Handrailing

Basic Curtain Walls

Fundamental Principles and Sub-element identification
Advanced Panel and Mullion Design

2D Draughting and Annotation

Annotation tools and detail components
Text, Tags and Keynotes

Sheet Compilation and Publication

Setting up Sheets for Plotting
Placing and modifying views on Sheets

Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the course participants.

