Autodesk Revit Structure Fundamentals

Description

Autodesk Revit, the leading Building Information Modelling (BIM) tool is used to design, document, visualise, collaborate and simulate projects for Structural Engineers. Revit’s BIM capability is used to streamline the design and analysis process and will improve collaboration amongst project teams. You will learn:

- User interface and navigation
- How to draw and modify structural elements
- Extraction of information to create schedules
- Development of 2D published sheets
- Creation of custom components

Prerequisites

An understanding of Structural terminology is recommended, as well as a good functional understanding of Microsoft Windows 7 or later. Previous CAD knowledge would benefit, but is not essential.

Topics Include

- Introducing Revit as a BIM tool
- UI Tour, Project Navigation and View Creation Elements
- Selection and Manipulation
- Visibility Control and Categorisation
- Model Development Methodology
- Establishing a Project
- Modelling Basics - Walls, Columns, Beams and Bracing
- Foundations and Piling
- System Family Editing
- Basic Schedules and Legends
- Geometry Formation and In-Place Families
- Slab and Roof Tools
- Stairs, Ramps and Railings
- Beam and Truss Systems
- Construction Sequencing (Phasing)
- 2D Draughting and Annotation
- Sheet Compilations and Publication
- Basic Subdivision and Collaboration
- Introduction to the Principles of Family Editing
- Considering options and alternatives

Course Duration: 3 Days

Next Step: Autodesk Revit BIM Management

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