AUTODESK® **REVIT**®
STRUCTURE FUNDAMENTALS

To take full advantage of Building Information Modeling, this Autodesk Revit Structure training course has been designed to teach the concepts and principles from building design through construction documentation using the Autodesk Revit Structure software.

This training course is intended to introduce students to the user interface and the basic building components of the software that makes it a powerful and flexible structural modeling tool. The goal is to familiarize you with the tools required to create, modify, analyze, and document the parametric model.

Ø **Prerequisites:**

This training course introduces the fundamental skills in learning how to use the Autodesk Revit Structure software. It is highly recommended that students have experience and knowledge in structural design and its terminology.

Ø **Course objectives:**

This training is intended to introduce students to the user interface and the basic building components of the software that makes it a powerful and flexible structural modeling tool. The goal is to familiarize you with the tools necessary to create, modify, analyze, and document the parametric model.

Ø **Who should attend:**

This course is designed for individuals who have experience and knowledge in Structural Engineering.

Ø **Our modular breakdown per day:**

Each day also includes practical exercises.

DETAILED COURSE OUTLINE

Day 1:

- Introduction to the principles of BIM
- Ui Tour, Project Navigation and View Creation
- Element Selection and Manipulation
- Visibility Control and Categorisation
- Model Development Methodology
- Settings, Units and Linking Revit

Day 2:

- Modeling Basics - Walls, Columes, Beams &Bracing
- Foundations and Piling
- System Family Editing
- Basic Schedules and Legends
- Geometry Formation and in-place families
- Slab and Roof Tools

Day 3:

- Stairs, Ramps and Railings
- Beam and Truss Systems
- 2D Draughting and Annotation
- Sheet Compilation and Publication

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