

Course Description and Outlines

Revit Architecture Advanced

Architectural Engineering



Course Description

Autodesk Revit is building information modeling software for architects, structural engineers, MEP engineers, designers and contractors. It allows users to design a building and structure and its components in 3D, annotate the model with 2D drafting elements, and access building information from the building models database. Revit is 4D BIM capable with tools to plan and track various stages in the buildings lifecycle, from concept to construction and later demolition.

Course Target

The objective of this course is to give delegates the skills to use the tools and advanced techniques for creating complex designs and professional looking models, creating and customizing objects and collaborating on designs with other members of their team using Revit. This course offers exercises representing real-world architectural design scenarios.

Course Duration

8 Sessions x 3 Hours per Session = 24 Total Hours

Attending the Course

The course includes workshops and in-session applications for every set of points covered. Each trainee will have a chance to apply his new skills on actual project supervised by the instructor. The location is fully equipped with high end computers so you won't have to bring your laptop.

Course Outlines

Shop Drawing

- Advanced Annotation
- Advanced Schedules
- Advanced Modeling
- Advanced Exporting
- Level of Detail

Revit Manage

- Advanced Materials
- Object Styles
- Project Information
- Transfer Project
- Standards
- Additional Settings
- System Inspector
- Project Phases

Family Creation

- Understanding Family Types
- Understanding Family Editing Concept
- Creating MEP Families
- Creating Annotation Family
- Model In-Place Family

Collaboration

- Working With Architecture
- Models Working With Revit
- Models Managing Links
- Copying, Monitoring and Coordinating Changes

- Coordination
- Review Interference
- Check

Work-sharing

- Understanding Work-sharing
- Concepts Enabling Work Sharing
- Central and Local
- Model Worksets
- Requests
- Working
- Offline
- Work-shared Project History and Rolling back

LEED Applications

- Introduction To LEED
- Building Performance
- LEED Template

Live Project Application

- Coordination Concepts
- Working With CAD
- Files
- Linking Between Revit and Another Software files
- Systems Modeling
- Systems Shop Drawing
- Systems Documentation
- Systems Coordination
- 4D & 5D

Course outline is subjected to minor changes as per class and trainees requirements.