AUTODESK REVIT ARCHITECTURE ADVANCED

CSG Training Centre | Authorized Autodesk Training Centre | Certiport Authorized Testing Centre

FOR WHOM
Architects, Draftsman, Design/Principal Architects, Interior Designer, Quantity Surveyors.

PRE-REQUISITION
Revit Architecture Fundamentals 2019 or relevant.
Working knowledge of Windows Operating Systems.
Working knowledge of basic design/ modeling procedures and terminology (recommended).

DURATION | VERSION
3 DAY(S), Version 2022

COURSE OBJECTIVES
The Training will start off with collaboration tools. It is to enable learners who have a basic knowledge of Autodesk Revit, to increase their productivity while working with other people on a team, either in the same firm or other firms as well as with other disciplines. It also covers linking Autodesk Revit files and linking or importing other CAD files.

Following on, the course will venture into Conceptual Design & Visualization. As architects and designers start a project, they frequently think about the overall massing of a building or the area of the footprint. Using its powerful Building Information Modeling (BIM) engine, includes tools for creating mass elements that can be modified into many shapes. It can also apply walls, roofs, and floors to them to continue designing. This is to expand participants' knowledge in the areas of Conceptual Design, including massing studies, space planning, visualization, and rendering.

Lastly, architects also frequently need to add site and structural information. The Site and Structural Design topics cover the elements and tools that are used to create topographic surfaces for site work and add structural elements.

We also provide real live project situations solving tips by Trainers who possesses actual site experiences and live project datasets for you to work-on.

COURSE TOPICS
Creating Custom Templates
1. Preparing Project Templates
2. Customizing Annotation Types
3. Creating Title Blocks
4. Setting Up View Filter
5. Adding View Templates

Creating Schedules
1. Introduction to Schedules
2. Creating Building Component Schedules
3. Modifying Schedule Appearance
4. Additional Schedule Types
5. Advanced Schedule Options
6. Working with Project Parameters

Massing Studies
1. Overview of Massing Studies
2. Placing Mass Elements
3. Creating Conceptual Massing
4. Setting the Work Plane
5. Dynamic Editing for Conceptual Massing
6. Working with Profiles and Edges
7. Moving from Massing to Building

Site Design
1. Preparing a Project for Site Design
2. Creating Topographical Surfaces
3. Adding Property Lines and Building Pads
4. Modifying Toposurfaces
5. Annotating Site Plans
6. Adding Site Components
7. Working with Shared Positioning

Component Family Concepts
1. Creating Component Families
2. Creating the Parametric Framework

Advanced Family Techniques
1. Additional Tools for Families

Additional Family Types
1. Creating 2D Families
2. Working with Shared Parameters

Creating Architectural-Specific Families
1. Creating Custom Doors and Windows

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COURSE TOPICS

Space Planning & Area Analysis
1. Space Planning
2. Area Analysis
3. Creating Color Schemes

Visualization
1. Creating Perspective Views
2. Working with Graphic Display Options
3. Adding Exploded Views
4. Setting Up Solar Studies

COURSE TOPICS

Rendering
1. Producing Basic Renderings
2. Working with Lighting
3. Enhancing Renderings

Additional Management Tools
1. General Settings
2. Creating Object Styles
3. Creating Fill Patterns
4. Creating Materials
5. Additional Schedule Types
6. Basic User Interface Customization