



REVIT ARCHITECTURE ADVANCED TRAINING

Objectives

The main objective of this course to teach trainee the basic commands and tools necessary for modelling Revit families and project collaboration. After completing this course trainee will be able to:

- ✓ Import and export data between AutoCAD® and AutoCAD® Architecture and Revit® Structure projects.
- ✓ Link Revit models, coordinate and monitor changes in a current project and a linked project, and check and fix interference conditions in Revit projects.
- ✓ Work with Conceptual Design Tools, Mass object and Adaptive Curtain Panel
- ✓ Create Topographic elements
- ✓ Work with Revit Materials for Revit Projects and Families
- ✓ Create, use, and manage worksheets.

Training Programme Day 1

Chapter	Topic	Duration	Time
Chapter 1	Family Components <ul style="list-style-type: none"> • New Family • Family Category and Parameters • Form • Reference Planes and Lines 	2 -Hour	9.00 AM - 11.00 AM
Chapter 2	Parametric Box <ul style="list-style-type: none"> • Parameters • Visibility/Graphics • Shared Parameters • Nested Family • Family Type 	2-Hour	10.00 AM- 1.00 PM
Chapter 3	Creating Door Family <ul style="list-style-type: none"> • Door template • Symbolic Line • Create Door Panel • Create Door Frame • Assign Material • Create Door Parameters 	1-Hour	2.00PM – 3.00 PM

Chapter 4	Creating Railing Family <ul style="list-style-type: none">● Profile-rail template● Baluster template● Create Railing Profile● Create Baluster Family● Assemble Railing Components● Assign Material● Load into project	2-Hour	3.00 PM- 5.00 PM
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Training Programme Day 2

Chapter	Topic	Duration	Time
Chapter 5	Conceptual Design <ul style="list-style-type: none"> • Massing Form • Modifying Massing Form • Converting Massing Forms to Building Components • Curtain System • Divided Surfaces 	2-Hour	9.00 AM - 10.00 AM
Chapter 6	Topography <ul style="list-style-type: none"> • Creating Topography by Points • Create Topography from Import • Topography Components • Model Site • Modify Site 	2-Hour	10.00 AM- 1.00 PM
Chapter 7	Collaborative Project <ul style="list-style-type: none"> • Managing Links • Copy/ Monitor • Tracking Copy/Monitor • Interference Check 	1-Hour	2.00 PM - 3.00 PM
Chapter 8	Design & Analysis <ul style="list-style-type: none"> • Phasing • Design Option 	1-Hour	3.00 PM – 4.00 PM
Chapter 9	Worksharing <ul style="list-style-type: none"> • Creating Worksharing • Working with Worksets 	1-Hour	4.00 PM - 5.00 PM