

# REVIT FAMILIES CREATION

## REVIT ARCHITECTURE

### Description

This course covers the basic of creating families using Autodesk Revit Architecture. This training is to enable students who have worked with the software to expand their knowledge in using families in a project, concepts of parametric design and family creation, and best practices to use when creating families.

### Certification

An Advanced Spatial Technologies "Certificate of Completion" will be issued on completion of the course.

### Objectives

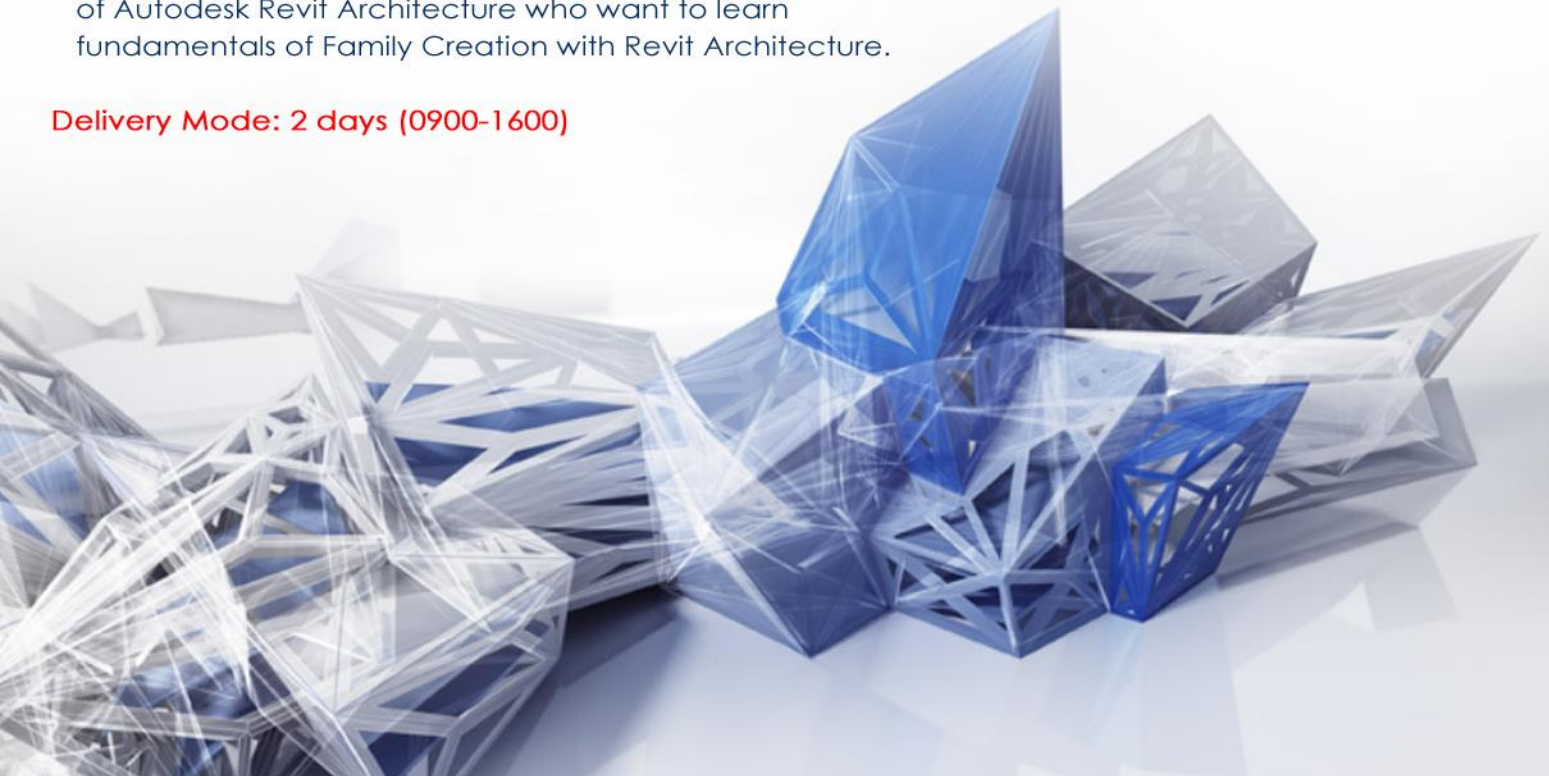
On completion of this course, students will be able to demonstrate competency in commands, concepts and develop skills necessary to:

- Understand the different kinds of Families
- Understand different between Host and Stand-alone families
- Set up Reference planes, add dimensions and labels
- Create formulas that control parameter values
- Use solid and void forms to create 3D elements
- Use model lines, symbolic lines and text to create 2D elements
- Add controls that can be used to flip or mirror geometry
- Create Families Types using parameters
- Import and export Families Types for use in other projects
- Control the display of elements in views at various detail levels using visibility settings
- Create shared parameters that can be used in both tags and schedules in multiple projects

### Pre-requisites

This course is designed for for beginning to intermediate users of Autodesk Revit Architecture who want to learn fundamentals of Family Creation with Revit Architecture.

**Delivery Mode: 2 days (0900-1600)**





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### Training Course Subjects

#### Introduction to Families

Types of Families  
Introduction to Creating Families  
Family Editor Interface  
In-Place and Component Families  
Type & Instance Parameters

#### Creating Simple 2D Families

Creating Detail Component  
Creating Annotation Families

#### Creating Component Families

Creating the Parametric Framework  
Creating Family Elements  
Creating Family Types  
Visibility Display Settings  
Using Formulas  
Nested Families

Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the course participants.

#### Creating In-Place families

Creating Solid & Void forms  
Creating profiles

#### Creating Architectural Specific Families

Creating custom Doors and Windows  
Creating Angled Cornices and Copings  
Creating Custom Railings  
Families for Railings, Balusters, and Panels

#### Parameter Properties

Parameter Types  
Working with Shared Parameters  
Parameter Data  
Material Parameters  
Yes/No Parameters  
Type and Instance  
Reporting Parameter

