



### **REVIT ARCHITECTURE TRAINING:**

Our training has only 2 people per class to improve the learning process.

#### **1. Introduction of BIM**

- What is BIM and why companies are using the BIM process.
- What are the benefits of BIM
- What is a BEP (BIM Execution plan)
- BIM Level 2 overview
- Further information for future research in BIM

#### **2. Starting a Project**

- Creating a new project and template.
- Understanding project settings and scales
- Adding levels
- Adding grids

#### **3. Model architectural elements**

- Adding walls
- Wall properties and wall types
- Adding architecture and structure columns
- Adding doors
- Adding windows
- Adding and editing families
- Creating roof
- Creating ceilings
- Creating floors
- Creating and editing curtain walls
- Stairs, railings and ramps
- Adding Rooms and creating Area Plans
- Adding opening and shaft
- Conceptual Mass tools
- Model site - Toposurface

#### **4. Links, Imports, and Groups**

- Working with DWG files
- Understanding CAD inserts
- Using import tips
- Creating a group
- Working with Revit links and managing links

## **5. Visibility and Graphic Controls**

- Using object styles
- Working with visibility/graphics overrides
- Using Hide/Isolate
- Understanding view range
- Using the Linework tool
- Rendering with Revit and Enscape 3D plugin

## **6. Schedules and Tags**

- Understanding tags
- Adding schedules
- Modifying schedules

## **7. Annotation and Details**

- Adding text
- Adding dimensions
- Adding symbols
- Adding legend views
- Creating construction details
- Creating detail items components
- Using detail components
- Adding hatch and masking regions

## **8. The Basics of Families**

- Understanding families
- Using reference planes, parameters, and constraints
- Adding solid geometry
- Adding void geometry

## **9. Sheets, Plotting, and Publishing**

- Adding view to sheets
- Creating Sheets
- Exporting to AutoCAD file - DWG
- Exporting images – JPG

## **10. Revit Collaboration**

- How to work with multiple people in the same Revit file
- Creating Central files
- Creating Local files
- Synchronize files
- Best practices in collaboration

## **11. Revit plugins**

- Most used plugins for Revit