REVIT
LEVEL 2

FORMATION CAD

Duration: 10 Modules/ 20 hours

Prerequisites: Revit Level 1

Recognized Certification: Yes

Course material: provided

Pedagogical means:
- Distance learning
- Demonstrations
- Training material included

Skills acquired at the end of the training:

- Applying Revit materials as well as custom materials to all objects and surfaces
- Generating 3d perspective views
- Add light sources, both natural and artificial
- Adding photo realistic components such as people
- Generating a photo realistic rendering complete with shade and shadow at the proper resolution
- Adding common structural elements such as columns and beams
- Creating a typical working drawing package

DESCRIPTION

Revit level 2 is an intermediate course in Revit. Now that we have learned to create the basic structure of a building in Level 1, we can now begin to create some presentation drawings and realistic perspective renderings.

PROGRAM

Module 1: Working with materials

- Creating 3D views
- Understanding camera settings
- Introducing materials
- Using the Autodesk library
- Creating a new material
- Applying materials
- Creating a material with a BUMP texture.
- Creating a material with a CUTOUT feature.

Module 2: Adding lights/ Entourage/ Rendering

- Inserting people
- Sunlight and Location
- Inserting artificial lights
- Rendering settings
- Applying background settings
- Crop size and dpi
- Saving the rendering to the project

Module 3: Exterior Renderings

- Generating Exterior renderings
- Adding a site (new)
- Inserting Entourage items
- Sunlight and Location
- Rendering settings
- Applying background settings
- Crop size and dpi
- Saving the rendering to the project

Module 4: Adding Structure

- Adding Steel Columns
- Adding Foundation walls and footings
- Adding Isolated Piers and footings
- Adding structural plans
- Adding Beams, Joists.

Module 5: Adding Dimensions/ Notes/ generating Sections/ details

- Generate a Working drawings
- Dimensioning
- Creating, revising and adding a title block
- Generation Building and Wall Sections
- Generating Callout details
- Adding details to details
- Adding text and notes

Module 6: Creating a typical working drawing package 1

- PHASES
- A1- As built Drawing
- A2- Demolition Plan

Module 7: Creating a typical working drawing package 2

- A3-Partition Plans
- A4-Furniture and Fixture Plans

Module 8: Creating a typical working drawing package 3

- A5-Ceiling Plan
- A6-Power and Communication Plan
- A7-Sections Drawings
- A8-Interior Wall Elevations
- A9-Details and Millwork

Module 9/ 10: Creating Commercial building Working drawing Part 1/2

- FINAL PROJECT- WORKING DRAWINGS part 1/2

QUESTIONS & ANSWERS