ALTALUNE TECHNOLOGY

REVIT ARCHITECTURE

Introduction to BIM and Revit Architecture
- ➢ Bim and autodesk revit
- ➢ Overview of the interface
- ➢ Starting projects
- ➢ Viewing commands

Basic Sketching and Modify Tools
- ➢ Using General Sketching Tools
- ➢ Editing Elements
- ➢ Working with Basic Modify Tools
- ➢ Working with Additional Modify Tools

Setting Up Levels and Grid
- ➢ Setting Up Levels
- ➢ Creating Structural Grids
- ➢ Adding Columns
- ➢ Linking and Importing CAD Files

Modeling Walls
- ➢ Modeling Walls
- ➢ Modifying Walls
- ➢ Wall Properties
- ➢ Arc Walls
- ➢ Creating a wall element types
- ➢ Compound Structure

Working with Doors and Windows
- ➢ Inserting Doors and Windows
- ➢ Loading Door and Window Types from the Library
- ➢ Creating Additional Door and Window Sizes

Working with Curtain Walls
- ➢ Creating Curtain Walls
- ➢ Adding Curtain Grids
- ➢ Working with Curtain Wall Panels

Attaching Working with Views
- ➢ Setting the View Display
- ➢ Duplicating Views
- ➢ Adding Callout Views
- ➢ Elevations and Sections

Adding Components
- ➢ Adding Components
- ➢ Modifying Components

Modeling Floors

- ➢ Modeling Floors
- ➢ Creating Shaft Openings
- ➢ Creating Sloped Floors

Modeling Ceilings

- ➢ Setting Up Sheets
- ➢ Placing and Modifying Views on Sheets
- ➢ Printing Sheets

Modeling Roofs

- ➢ Modeling Roofs
- ➢ Creating Roofs by Footprint
- ➢ Establishing Work Planes
- ➢ Creating Roofs by Extrusion

Modeling Stairs, Railings, and Ramps

- ➢ Creating Component Stairs
- ➢ Modifying Component Stairs
- ➢ Working with Railings
- ➢ Sketching Custom Stairs
- ➢ Creating Ramps

Openings Views

- ➢ On Face
- ➢ Vertical Opening
- ➢ Shaft opening
- ➢ Dormer opening
- ➢ Wall opening

Moden in Place

- ➢ Introduction
- ➢ Creating In-Place Masses using Forms
- ➢ Extrusion
- ➢ Revolve
- ➢ Sweeps
- ➢ Loft

Site Design

- ➢ Creating Toposurface o Contours
- ➢ Contour line Label
- ➢ Modifying Toposurface
- ➢ Subregion
- ➢ Split
- ➢ Merge o Building Pads
- ➢ Graded Regions
- ➢ Parking Components

➢ Site Components

Rendering

➢ Lights
➢ Rendering
➢ Walkthrough
➢ Solar Studies

Creating Construction Documents

➢ Setting Up Sheets
➢ Placing and Modifying Views on Sheets
➢ Printing Sheets

Annotating Construction Documents

➢ Working with Dimensions
➢ Working with Text
➢ Adding Tags
➢ Adding Detail Lines and Symbols
➢ Creating Legends

Creating Details

➢ Setting Up Detail Views
➢ Adding Detail Components

Adding Tags and Schedules

➢ Adding Tags
➢ Adding Rooms and Room Tags
➢ Working with Schedules

Introduction to Worksets

Additional Tools

➢ Reusing Selection Sets
➢ Editing Wall Joins
➢ Wall Sweeps and Reveals
➢ Creating Curtain Wall Types with Automatic Grids
➢ Enhancing Views
➢ Creating Dormers
➢ Working with Guide Grids on Sheets
➢ Revision Tracking
➢ Annotating Dependent Views
➢ Importing and Exporting Schedules
➢ Creating Building Component Schedules