Revit Architecture

1. Basics of BIM

Introduction to BIM
Create a Project file from template
Underastand user interface
How bim work
Understand different discplines of Building
Building life cycle
Future of bim
Revit file extensions
Type and instatnce properties
Short cuts in Revit

2. Viewing Model

Creating Floor plan,section and Elevations
Duplication of view
View Crop properties
View control bar options
View model using filter,visual graphics
View instance properties
Scope box properties
View range
View cube and Navigation bar options
Callout and reference views
3D Visual Styles

3. Architectural Elements:Wall and Curtain wall

Draw datum elements level and grid
Wall Type and Instance Properties
Wall Attach and Detach
Wall Location line
Change Wall type
Adding wall layers and Joining
Stacked Walls
Wall with dimensions
Door type and Instance properties
Window type and Instance properties
Curtain Wall place grid and mullion
Curtain wall grid editing
Curtain wall profile editing

4. Architectural Elements:Floor and Roof

Basic floor creation by sketch
Editing floor Boundary
Editing floor layers
Floor properties
Basic Ceiling creation by sketch
Adjusting Ceiling Tiles
Roof Creation
Sloped Roof creation
Roof by Extrusion
Adding slope for Ceiling and floor
Floor opening and Shaft
Domer Roof
Managing Hatch for Ceiling Pattern

5. Architectural Elements:Stair and Railings

Add monolotic stairs by sketch method
Different type of stairs
Stair properties
Thread,riser and stair supports
Add railing to host

Modifing Railing
Place and modify ramp
Baluster properties
Using profiles in Railing and Baluster

6. Create schedules

Add Fileds in Schedule
Use Sorting and Grouping in schedule
Use Filter in Schedule
Format Field in schedule
Calculate Totals
Formating header and schedule lines/Fonts
Phases in Schedule
Schedule from Linked file
Create calculated Valuein Schedule
Count and Sum of Fields

7. Material and Rendering

Material Graphical Properties
Material Appreance Properties
Duplicate Material
Create new material
Duplicate Asset and Replace Asset
Material in Project
Material in Family
Render OPtions
Save Render to image
Basic Walkthrough

8. Modify Elements,Selection and View Elements in Link

Pin & Unpin Elements
Paint Element
Rotate,Move & Scale Elements
Polar and Rectriangular Array Elements
Align,Split,Joint Elements
Mangage Selection of elements
Viewing Elements in Linked Files
Selection set of Elememts
Select and Un-Select Elements in Link
Use of Create similar
Clip board Options:Paste from clipboard,align to selected levels,
align to selected views Modify Select Options

9. Collabarate

Modify Select Options
Create Workset
Create Central File
Backup of Central File
History of Central File
Copy monitor Elements
Co-ordination Review
Workset assign to Elements
Clash Detection With in File
Clash Detection With Linked Elements
Save Views with workset

10. Manage Links

Workset options
Insert AutoCad File
Insert Revit File
Understand Options of insert Revit
Add images in project
Manage Link Files

Manage Decal
Insert views from other revit files
Insert 2D Elements from other files

11. Manage Model

Transfer properties from other files
Object Styles
Line Style/Fill pattern Create and Manage
Project Information and Parameters
Shared Parameters
Project Location and Properties
Element ID and Search
Warnings in Model
Macros in Revit
Units,Snap in Model
Project Parameters
Material
Global Parameters

12. View elements in Link and View Template

View elements according to Host
View elements according to link
View elements according to custom
Worksets for viewing model
Using Filters List in View
Using View Template and Assign
Managing Starting View
Project Browser Management
Title on Sheet View
Managing View Title Family