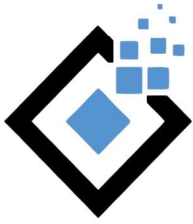# Revit Architecture Syllabus

1	**Introduction to BIM and Autodesk Revit**
	a. BIM and Autodesk Revit
	b. Overview of the Interface
	c. Starting Projects
	d. Viewing Commands
2	**Basic Sketching and Modify Tools**
	a. Setting of templates
	b. Using General Sketching Tools
	c. Editing Elements
	d. Working of all ribbon tools
	e. Duplicating & edit families
	f. Elevations and Sections
3	**Starting Architecture Projects**
	a. Linking and Importing CAD Files
	b. Setting Up Levels & Grids
	c. shortcut commands for Architecture elements
4	**creating walls**
	a. Types of Walls
	b. Adding Curtain Grids
	c. Working with Curtain Wall Panels
	d. Attaching Mullions to Curtain Grids
	e. Plaster walls
5	**Working with Doors and Windows**
	a. Inserting Doors and Windows
	b. Loading Door and Window Types from the Library
	c. Creating Additional Door and Window Sizes
6	**creating roofs**
	a. Creating Roofs by Footprint
	b. Establishing Work Planes
	c. Creating Roofs by Extrusion
7	**Ceiling**

	a. Creating Ceiling
	b. Ceiling Elements
8	**Roof**
	a. Roof by Footprint and Extrusion
	b. Shape editing for Floors and Roofs
	c. Join/Unjoin Roof
	d. Opening Shaft, Wall and Dormer
9	**setting up all the furniture**
	a. add bedroom furniture-bed/side table etc
	b. add kitchen elements such as refrigerator
	c. add living room furniture-sofa/chair/table etc
6	**Quantification**
	a. material takeoff of architectural elements
9	**Using Massing Tools**
	a. Understanding Massing Concepts
	b. Creating Massing Geometry in the Family Edito
	c. Editing Massing Geometry in the Family Editor
	d. Massing in the Conceptual Design Environment
	e. Creating Building Elements from Massing Geometry
	f. Creating Families
10	**Adding Tags and Schedules**
	a. Adding Tags, using callouts and Rooms
	b. Creating Drafting views
11	**Creating Construction Documents**
	a. Setting Up Sheets
	b. Placing and Modifying Views on Sheets
	c. Printing Sheets
12	**Annotating Construction Documents**
	a. Working with Dimensions and Text
	b. Adding Detail Lines and Symbols and Tags
13	**Creating Details**
	a. Setting Up Detail Views
	b. Adding Detail Components
	c. Annotating Details

14	Scheduling
	a. scheduling of all the structural elements

Tests and Credibility

a. Weekly tests on the topics (minimum 75% required to pass)

b. Final Exam on completion of course by Industry Experts (minimum 70% required to pass)

Certification

a. ISO certified course completion certificate on clearing Final Exam

b. Top students clearing the batch Final Exams shall be awarded with In house Placement

c. 100% Job assistance to the students

Personality Development

a. Personal Development tips to present as the most favored Employee in an Interview

b. Mock Interviews

c. LinkedIn referral and presentation

d. customized Portfolios

e. Market Insights