REVIT STRUCTURE SYLLABUS

1	**Introduction to BIM and Autodesk Revit**
	a. BIM and Autodesk Revit
	b. Overview of the Interface
	c. future scope in BIM
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 Structural Projects**
	a. Linking and Importing CAD Files in Revit
	b. Setting Up Levels & Grids
	c. shortcut commands for structural elements
4	**Foundations**
	a. Types of Foundations
	b. Settings of Levels Below Ground
	c. Plastering of Foundations
5	**Modelling of structural elements**
	a. types of columns & framing
	b. types of beams
	c. types of slabs + chajjas
	d. design different types of staircases, landing & railings
	e. creating shaft openings
	f. plaster & paint all the structural elements
6	**Quantification**
	a. material takeoff of structural elements
7	**Creating Construction Documents**
	a. Setting Up Sheets
	b. Placing and Modifying Views on Sheets
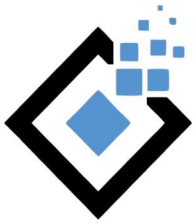
	c. Printing Sheets	
8	**Annotating Construction Documents**	
	a. Working with Dimensions and Text	
	b. Adding Detail Lines and Symbols and Tags	
9	**Creating Details**	
	a. Setting Up Detail Views	
	b. Adding Detail Components	
	c. Annotating Details	
10	**Scheduling**	
	a. scheduling of all the structural elements	
11	**Live Projects**	
	a. Application of the above topics on live project	
	b. Understanding practical application of revit in BIM	
	c. Understand the gaps in revit and their practical solutions	
12	**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)	
13	**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	
14	**Personality Development**	
	a. Personal Development tips to present as a most favored Employee in an Interview	
	b. Mock Interviews	
	c. LinkedIn referral and presentation	
	d. customized Portfolios	
	e. Market Insights	