



ENG VB Learning

Shaping Career in Virtual Construction

REVIT MEP 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 Projects
	a. Linking and Importing CAD Files
	b. import the cad files
	c. Shortcut commands for mep fittings
4	MODELLING OF MECHANICAL SYSTEM
	a. HVAC System
	b. Air terminals & Mechanical Equipment
	c. Duct Types & Materials
	d. Creating Duct Systems
	e. Automatic & Manual Duct work
5	MODELLING OF PLUMBING & PIPING SYSTEM
	a. Plumbing Types
	b. Plumbing system types
	c. Adding Plumbing Fixtures and Tags
	d. Working with plumbing Systems.
6	MODELLING OF ELECTRICAL SYSTEM
	a, Electrical components
	b. Electrical connections



ENG VB Learning

Shaping Career in Virtual Construction

	c. Cable tray
	d. Conduits
7	MODELLING OF FIRE FIGHTING ELEMENTS
	a. setting up pumphouse
	b. setting up hydrant & water pipes
	c. modelling of fire alarm, sprinklers & other fittings
8	Quantification
	a. material takeoff of each system
9	Creating Construction Documents
	a. Setting Up Sheets
	b. Placing and Modifying Views on Sheets
	c. Printing Sheets
10	Annotating Construction Documents
	a. Working with Dimensions and Text
	b. Adding Detail Lines and Symbols and Tags
11	Creating Details
	a. Setting Up Detail Views
	b. Adding Detail Components
	c. Annotating Details
12	Scheduling
	a. scheduling of all the MEPF elements
	Tests and Credibility
	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 Final Exams shall be awarded with in house



ENG VB Learning

Shaping Career in Virtual Construction

	Placement at ENG VB
	c. 100% Job assistance to the students
	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