



AUTODESK DYNAMO ESSENTIAL TRAINING

Objectives

The main objective of this course is to teach trainee to utilize Dynamo in Revit with spreadsheet file formats for customization and analysis for computational design. After completing this course, trainee will be able to:

- ✓ Understand the key concepts of Dynamo and Visual Scripting
- ✓ Understand Visual Scripting vs Traditional Scripting
- ✓ Understand navigation and usage of Dynamo
- ✓ Develop own Dynamo and Spreadsheet Scripts
- ✓ Manage errors in relation to your Dynamo and Spreadsheet Scripts

Training Programme Day 1

Chapter	Topic	Duration	Time
Chapter 1	Introduction to Dynamo <ul style="list-style-type: none"> • What is Revit Dynamo • Capabilities and Functions • System Requirement • User Interface 	1 -Hour	9.00 AM - 10.00 AM
Chapter 2	Basic Fundamental of Using Dynamo <ul style="list-style-type: none"> • Understanding Dynamo Working Principles: Input, Process and Output • Understanding nodes connectivity • Understanding basic concept in selection of nodes • Auto vs Manual 	1.5-Hour	10.00 AM- 11.30 AM
Chapter 3	The Building Blocks Program <ul style="list-style-type: none"> • Understanding common function of Dynamo • Understanding Data, Math, Logic and Strings 	1.5-Hour	11.30 AM- 1.00 PM
Chapter 4	Working with Lists <ul style="list-style-type: none"> • Understanding the basic list function in Dynamo Working with lists • Working with lists • List Management and List of Lists • Lacing Geometry: Vectors, Points, Curves, Surfaces & Solids 	1.5-Hour	2.00PM – 3.30 PM
Chapter 5	Utilizing Dynamo Player for Revit <ul style="list-style-type: none"> • Default directory for graphs • Providing input for graphs in Dynamo Player 	1.5-Hour	3.30 PM- 5.00 PM

Training Programme Day 2

Chapter	Topic	Duration	Time
Chapter 6	Practicality of Dynamo with Managing Revit Data <ul style="list-style-type: none"> • Manipulating project parameters using Dynamo • Exporting and importing information for Data Key-in • Understanding process scripting execution 	2 -Hour	9.00 AM - 11.00 AM
Chapter 6.1	Practicality of Dynamo with Managing Revit Data: Dynamo Practice 01 <ul style="list-style-type: none"> • Creating and design scripting • Testing of Script 	2-Hour	11.00 AM- 1.00 PM
Chapter 6.2	Practicality of Dynamo with Managing Revit Data: Dynamo Practice 02 <ul style="list-style-type: none"> • Creating and design scripting • Testing of Script 	3-Hour	2.00 PM- 5.00 PM