



## 3D Modeling using SketchUp

### Course Curriculum (Duration: 40 Days)

#### Chapter 1: Quick Start

- a. Quick Start
- b. Navigation
- c. Pillars
- d. Components
- e. Platform
- f. Circles
- g. Array
- h. Steps
- i. Slide
- j. Color

#### Chapter 2: Core Concepts

- a. Edges and Surfaces
- b. Inferences
- c. Inference Challenge
- d. Blue Axis

#### Chapter 3: Push Pull & Accuracy

- a. Push Pull
- b. Accuracy
- c. Tape Measurement Tool

#### Chapter 4: Drawing Tools

- a. Circles and Polygons
- b. Arcs
- c. Rectangles
- d. Freehand
- e. Offset
- f. Eraser

#### Chapter 5: Selection & Grouping

- a. Selections
- b. Grouping Concepts

#### Chapter 6: Components and Layers

- a. Components
- b. Layers

#### Chapter 7: Move Tool

- a. Move Tool
- b. Manipulate Geometry
- c. Autofold
- d. Copy and Arrays

#### Chapter 8: Follow Me and Inference Locking

- a. Follow Me
- b. Follow Me-Lathe
- c. Follow Me-Practice
- d. Inference Locking



#### **Chapter 9: Importing and Editing Textures**

- a. Dividing Faces To Create Your Rooms
- b. Area Tool For Calculations
- c. Using Paint Bucket For Floor Texture
- d. Importing And Applying A Texture
- e. Positioning An Imported Texture
- f. Editing Texture Colour In SketchUp
- g. Hide Edges And Lines With The Eraser Tool

#### **Chapter 10: Creating Different Items**

- a. Ceiling
- b. Staircase
- c. Doors and Windows
- d. Fireplae
- e. Kicthen
- f. Furniture
- g. Exterior
- h. Preparing the Model with Scenes and Styles

#### **Chapter 11: Exporting Options**

- a. JPEG And PNG Files
- b. DWG Elevation And Plan - Pro Feature
- c. KMZ For Google Earth
- d. Collada Files
- e. Animation Options

#### **Chapter 12: Photorealistic Rendering**

- a. Adding Lighting
- b. Add Reflections To Existing Textures
- c. Model Presets
- d. Rendering A High Quality Image
- e. Post-Processing In Photoshop

#### **Chapter 13: LayOut Essentials**

- a. Getting started in Layout
- b. Tools Overview
- c. Modifying & Styling Content
- d. Working with References
- e. Layers, Scrapbooks, Templates & Tables
- f. Presenting & Exporting

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Mob. No.: +91-911781566 / 70381 72715, Email: [training@radiancetech.org](mailto:training@radiancetech.org) ,

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