



Google SketchUp

Training Details

Course Code	: HCCC51
Course Name	: Google SketchUp
Duration	: 2 Months
Eligibility	: Diploma / BE / ME (CIVIL)/ ITI / +2 / Equivalent

Syllabus:

INTRODUCTION

Lesson 1

Meeting Sketch Up

Selections

- Basic selections
- Window selections
- Modifier keys to add to and subtract from your selection
- Tips for accurate and quick selection sets

Components

- Components vs. groups
- Editing components
- Component browser

Paint Bucket

- Applying colors and materials
- Editing colors and materials
- Materials browser

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We Changed ur thinking, it Changed ur Life...

Lesson 2

Eraser

- Erase single or multiple edges easily
- How to soften or hide edges with the eraser

Rectangle

- Drawing rectangles on any surface
- Draw a perfect square or golden rectangle
- Being accurate

Lines

- Best practices for drawing lines/ edges
- Drawing accurately
- Dividing edges

Circle/Polygon

- Drawing a circle or polygon
- Changing the number of sides of a circle or polygon
- Viewing addition information through the entity info dialog box

Arc

- How to draw arcs
- Drawing tangent arcs
- Drawing continuous smooth arcs
- Defining number of arc segments

Lesson 3

Freehand

- Use freehand to draw free form edges

Move

- Move is an auto-selecting tool
- Pre-select objects for more control
- Moving objects with precision
- Common problems
- Select, Copy and Auto-fold videos will show more about the move tool

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Push/Pull

- Pull any flat shape into 3d
- Tips for accuracy and efficiency
- Cut away geometry
- Inferring to other geometry

Rotate

- How rotate works
- Examples of the rotate tool in action
- Lock or define the orientation of the tool

Lesson 4

Follow Me

- Introduction to follow-me capabilities
- Tips about how the shape and path work together
- Speedy tips that create instant follow-me results
- Creating lathed objects

Scale

- Scaling in 2d and 3d
- Accuracy when scaling
- Use modifier keys for more options
- Be aware of axis when scaling

Offset

- Offsetting surfaces vs. edges
- Inferring and speedy tips

Tape Measure

- Measure distances
- Create construction guidelines
- Scale groups or the whole model based on known measurements_

Lesson 5

Dimensioning

- Add dimensions directly to your model
- Adjust dimension settings

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Protractor

- Measure angles
- Create construction guidelines
- Control the tool orientation
- Establishing roof slopes

Text & 3D Text

- Create on-screen text and annotations
- Change text settings
- Pixel vs. real world text size, Creating 3D text

Axes

- Re-orient the default red, green and blue axes
- Tips for quick axes orientation

Lesson 6

Navigation

- Use of the orbit, zoom and pan tools
- Navigate using the scroll wheel on your mouse
- Tips for zooming
- Zoom previous, next and zoom extents

Position Camera & Look Around

- Look around is a stationary viewing tool
- Position camera allows you to place your view
- Position your view exactly
- Changing your field of view

Walk

- Walking around your model
- Collision detection
- Modifier keys for more options

Sections

- Create cut-away views of your model in any direction
- Context options for the section plane
- Move and rotate the section plane

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