

Date: 01-02-2019

Curriculum for Software Programs in Civil Engineering

Program Name: Google SketchUp

Duration: 30Hr

Overview

The course will provides an overview of all of the essential SketchUp skills needed for general modelling for a civil engineer. SketchUp is one of the easiest 3D tools to use but it has many features. The course will be in one month format to provide training on software and time to practice for all participants.

Syllabus

The Basics

Opening SketchUp
SketchUp Screen
Toolbars
Viewing Tools
Shortcut Keys

Manipulation Tools

Select
Eraser
Tape Measure
Protractor
Move and Copy
Rotate and Copy
Scale
Offset
Axes
Displaying and Smoothing Edges

Drawing Tools (Line, Rectangle, Square, Push/Pull, Circle, Polygon, Arc)

Painting, Materials, and Textures
Applying Materials.
Editing Materials
Using Images as Textures
Material Collections
Material Translucency
Materials of Groups and Component

Assessment:

Students should obtain:

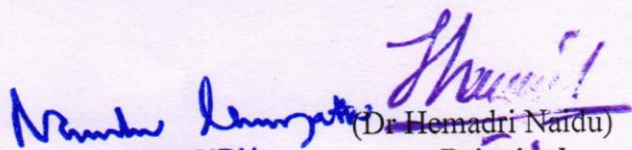
Min 80% of attendance
Min 80% Participation in practice session
Power point Presentation of the assigned drawing



(Dr. G Mahesh Kumar)

**HOD
HOD**

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SIET, TUMKUR - 6.**



**PRINCIPAL
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Principal