


DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2022-23 (ODD)

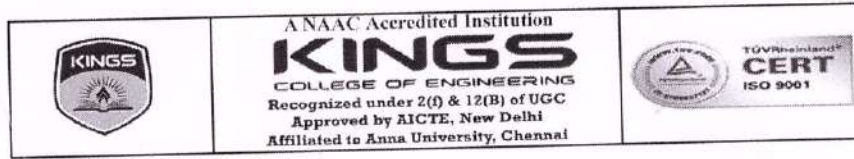
Date: 20.07.2022

CIRCULAR

This is to inform, that our department is going to conduct a **CERTIFICATE COURSE** on "SKETCH-UP" in this academic year 2022-2023, Final year students are requested to enroll their name to Mr.R.CHANDRASEKAR, AP/CIVIL on or before **01.08.2022**.


20/7/22
COORDINATOR
(Mr.R.CHANDRASEKAR, AP/CIVIL)


20/07/2022
HOD/CIVIL
(DR.R.SARAVANAN)

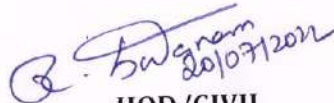


DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2022 - 2023 ODD SEMESTER
CERTIFIED COURSE ON SKETCHUP 3D
SYLLABUS

- UNIT I INTRODUCTION TO SKETCHUP 3D** **6**
Initial setup in sketchup - unit setup for imperial and metric units - overview of 3d - modeling and modify tools - dimension setting for different units - using help sketchup.
- UNIT II CREATION OF 3D AND COMPONENTS FOR RESIDENTIAL BUILDING** **6**
Creation of plan in 2d - generating 3d model from 2d plan - placing door, windows in plan view - 3d text - placing components using ware house export and importing.
- UNIT III CREATION OF STAIRCASE RAILING RAMP** **6**
Standard size for riser and tread - straight stair staircase - dog-legged - spiral staircase - railing creation for stair and separate rail design - sloped ramp and circular ramp.
- UNIT IV CREATION OF FLOOR AND ROOF** **6**
Floor creation - material choosing for floors - generating sloped roof , pitched roof, curved roof- roof tiles and material modification - elevation design concepts.
- UNIT V INTERIOR DESIGN CONCEPTS AND RENDERING** **6**
Selection of materials - material editing and custom wall texture editing - lighting setup and intensity adjustments - different rendering engines used for rendering (Vray, Enscape, Artlantis Studio, Lumion etc) - rendering setup and rendering.

TOTAL : 30 PERIODS


COORDINATOR
(Mr.R.CHANDRASEKAR, AP/CIVIL)


HOD/CIVIL
(DR.R.SARAVANAN)



DEPARTMENT OF CIVIL ENGINEERING
SPECIAL TIME TABLE (1.8.2022 - 6.8.2022, ODD SEM)
B.E - CIVIL (Regulation 2017) - With Effect from 1.8.2022

Batch: 2019 - 2023

Strength: 20

Year: IV

Semester: VII

Class Room : 233

Block: II

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.10 pm	5	6	02.40 pm - 02.50 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.10pm - 01.55pm	01.55pm - 02.40pm		02.50pm - 03.35pm	03.35pm - 04.20pm
MON	Orientation		BREAK	CC		LUNCH BREAK	COMM.SKILL		BREAK	BC	
TUE	RFC			CC			COMM.SKILL			BC	
WED	RFC			CC			COMM.SKILL			BC	
THU	T&P(SS)	T&P(A)		CC			COMM.SKILL			BC	
FRI	RFC			CC			COMM.SKILL			BC	
SAT	RFC			CC			COMM.SKILL			BC	

SUB CODE	NAME OF THE SUBJECT	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
VALUE ADDITION INITIATIVES (VAI)					
Orientation	Orientation Program	-	Mr.K.Arun	CIVIL	2
COMM.SKILL	Communication Skill	-	Mr.D.Dinesh	ENGLISH	12
BC	Bridge Course	-	Mr.R.Ramchandrar	CIVIL	12
RFC	Refresher Course	-	Ms.S.Gayathri	CIVIL	08
T&P (A)	Training & Placement - Aptitude	-	Ms.P.Suganya	T&P	1
T&P(SS)	Training & Placement - Softskill	-	Dr.K.Sudhakar	T&P	1
CC	Certification Course - Sketchup	-	Mr.R.Chandrasekar	CIVIL	12

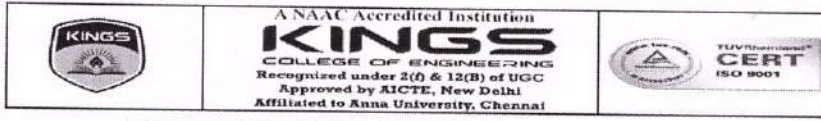
CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
Mr.K.Arun	B.Agalya M.Jayaseelan	01 08

VALUE ADDITION INITIATIVES (VAI) - REGULAR HOURS					
LIB/NET	Library / Internet	VAI	Mr.K.Arun	CIVIL	1
NPTEL	NPTEL Swayam Courses	VAI	Mr.K.Arun	CIVIL	1
RC	Refresher Course	VAI	Ms.S.Gayathri	CIVIL	2
T&P (A)	Training & Placement - Aptitude	VAI	Ms.P.Suganya	T&P	1
T&P(SS)	Training & Placement - Softskill	VAI	Dr.K.Sudhakar	T&P	1

D. Shafi
DEPT. TIC

R. Sundaram
30/07/2022
HOD

J. Manjula
30/7/2022
PRINCIPAL



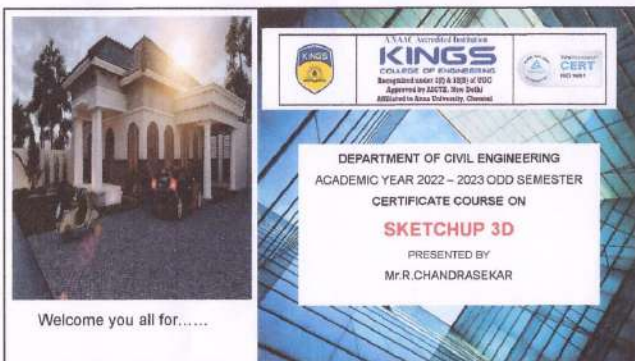
ACADEMIC YEAR 2022-23 (ODD SEM)
 CERTIFICATE COURSE ON "SKETCH-UP"
 ASSESSMENT MARKS

IV YEAR CIVIL / VII SEM


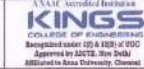

S.No.	Reg. Number	Student Name	Total Marks (50)
1	821119103001	AGALYA B	45
2	821119103002	ANBUMANI S	38
3	821119103003	ARUNKUMAR M	36
4	821119103004	ARUNPRASAD S	37
5	821119103005	DIVYA S	43
6	821119103006	JANANI T S	44
7	821119103007	JAYACHANDRAN N	39
8	821119103008	JAYASEELAN M	40
9	821119103010	KURALARASAN R	38
10	821119103011	MADHUMITHA R	42
11	821119103012	MONIKA M	41
12	821119103013	PREMKUMAR J	35
13	821119103014	RENGESWARI R	46
14	821119103015	RUBIKA M	39
15	821119103016	SANTHOSH S	38
16	821119103017	SATHYA P	37
17	821119103018	STALIN P	36
18	821119103019	VIMAL R	34
19	821119103301	DANIEL NAVIS F	35
20	821119103501	KARTHIKEYAN R	34
21		ABIRAMI	38

R. CM
 30/10/22
 COURSE INCHARGE
 (Mr.CHANDRASEKAR)

R. Saravanan
 20/10/22
 HOD/CIVIL
 (DR.R.SARAVANAN)



WELCOME YOU ALL FOR.....

KINGS
 COLLEGE OF ENGINEERING
 Bangalore Institute of Technology
 Approved by AICTE, New Delhi
 Affiliated to Anna University, Chennai

DEPARTMENT OF CIVIL ENGINEERING
 ACADEMIC YEAR 2022 – 2023 ODD SEMESTER
 CERTIFICATE COURSE ON
SKETCHUP 3D
 PRESENTED BY
 Mr.R.CHANDRASEKAR


Introduction To SketchUp

- SketchUp is a 3D modeling computer program for a broad range of drawing and design applications — including architectural, interior design, industrial and product design, landscape architecture, civil and mechanical engineering, theater, film and video game development.
- Owned by Trimble Inc., the program is currently available as a web-based application, SketchUp Free, and three paid subscriptions, SketchUp Shop, SketchUp Pro, and SketchUp Studio, each with increasing functionality.
- SketchUp was developed by startup company @Last Software of Boulder, Colorado, co-founded in 1999 by Brad Schell and Joe Esch.
- Google acquired @Last Software on March 14, 2006
- Trimble Navigation (now Trimble Inc.) acquired SketchUp from Google on June 1, 2012

TOPICS IN THE 30 HOURS PROGRAM

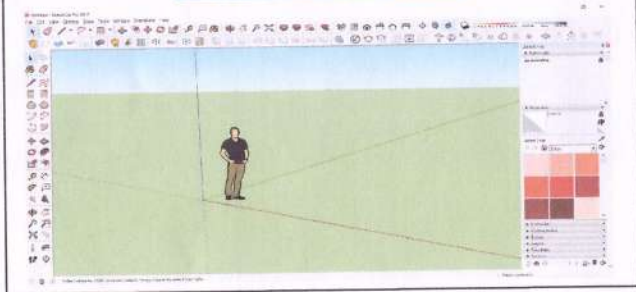
- ◆ Introduction to sketchup.
- ◆ 3d Modeling in sketchup.
- ◆ Creation of 2D Plan and 3D plan.
- ◆ Creation of Door, Window.
- ◆ Creation of Floor and Different roof Types.
- ◆ Elevation Design Concepts.
- ◆ Creation of Staircase, Railing and Ramp.
- ◆ Introduction to Interior design.
- ◆ Interior light setting in room.
- ◆ Components Import.
- ◆ Importing Textures for Wall tiles etc.
- ◆ Intro to Rendering Engine (Vray, Enscape, Artlantis Studio, Lumion etc).
- ◆ Photo Realistic rendering.

SKETCHUP TEMPLATE SELECTION



- ◆ Open sketchup 3D.
- ◆ Choose template and select simple template-feet & inches.
- ◆ Select start using sketchup.

SKETCHUP WORKSPACE



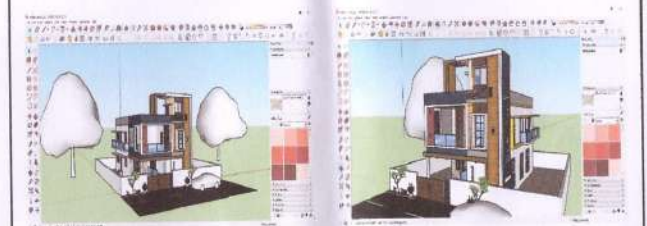
3D MODEL IN SKETCHUP



RENDERING VIEW OF PREVIOUS MODEL



3D MODEL IN SKETCHUP



RENDERING VIEW OF PREVIOUS MODEL



SketchUp Exterior Design



Sketchup Interior Design



Sketchup Interior Design



Sketchup 3d plan



Sketchup 3d plan



THANK YOU

A NAAC ACCREDITED INSTITUTION



KINGS COLLEGE OF ENGINEERING

RECOGNISED UNDER 2(F) & 12(B) OF UGC, APPROVED BY AICTE, NEW DELHI & AFFILIATED TO ANNA UNIVERSITY, CHENNAI
PUNALKULAM, GANDARVAKKOTTAI TALUK, PUDUKKOTTAI DISTRICT - 613 303

CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT **M.JAYASEELAN** OF IV YR CIVIL ENGINEERING HAS PARTICIPATED IN THE "**CERTIFIED COURSE ON SKETCH UP 3D**" ORGANIZED BY DEPARTMENT OF CIVIL ENGINEERING, KINGS COLLEGE OF ENGINEERING,

THANJAVUR,

FROM AUGUST 2022 TO OCTOBER 2022.



COURSE INCHARGE

Mr.R.CHANDRASEKAR

HOD/CIVIL

Dr.R.SARAVANAN

PRINCIPAL

Dr.J.ARPUTHA VIJAYA SELVI



DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2022-2023 (ODD SEM)
CERTIFICATE COURSE ON "SKETCH UP"
STUDENTS ENROLMENT - IV YEAR CIVIL

S. No	Reg. No	Student name	Student Signature
1	821119103001	AGALYA B	B. Agalya
2	821119103002	ANBUMANI S	S. Anbumani
3	821119103003	ARUNKUMAR M	M. Anurkumar
4	821119103004	ARUNPRASAD S	S. Arunprasad
5	821119103005	DIVYA S	S. Divya
6	821119103006	JANANI T S	T. S. Janani
7	821119103007	JAYACHANDRAN N	N. Jayachandran
8	821119103008	JAYASEELAN M	M. Jayaseelan
9	821119103010	KURALARASAN R	R. Kuralarasan
10	821119103011	MADHUMITHA R	R. Madhumitha
11	821119103012	MONIKA M	M. Monika
12	821119103013	PREMKUMAR J	J. Premkumar
13	821119103014	RENGESWARI R	R. Rengeswari
14	821119103015	RUBIKA M	M. Rubika
15	821119103016	SANTHOSH S	S. Santhosh
16	821119103017	SATHYA P	P. Sathya
17	821119103018	STALIN P	P. Stalin
18	821119103019	VIMAL R	R. Vimal
19	821119103301	DANIEL NAVIS F	F. Daniel Navis
20	821119103501	KARTHIKEYAN R	R. Karthikeyan
21		ABIRAMI S	S. Abirami

Total Number of students enrolled: 21

R. C. M.
 COURSE INCHARGE
 18/8/22

R. Swarnam
 HOD/CIVIL
 01/08/2022



DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2022 - 2023 ODD SEMESTER
CERTIFICATE COURSE REPORT

The Department of Civil Engineering organized a certificate Course for IV Year students on 01.08.2022 to 20.10.2022.

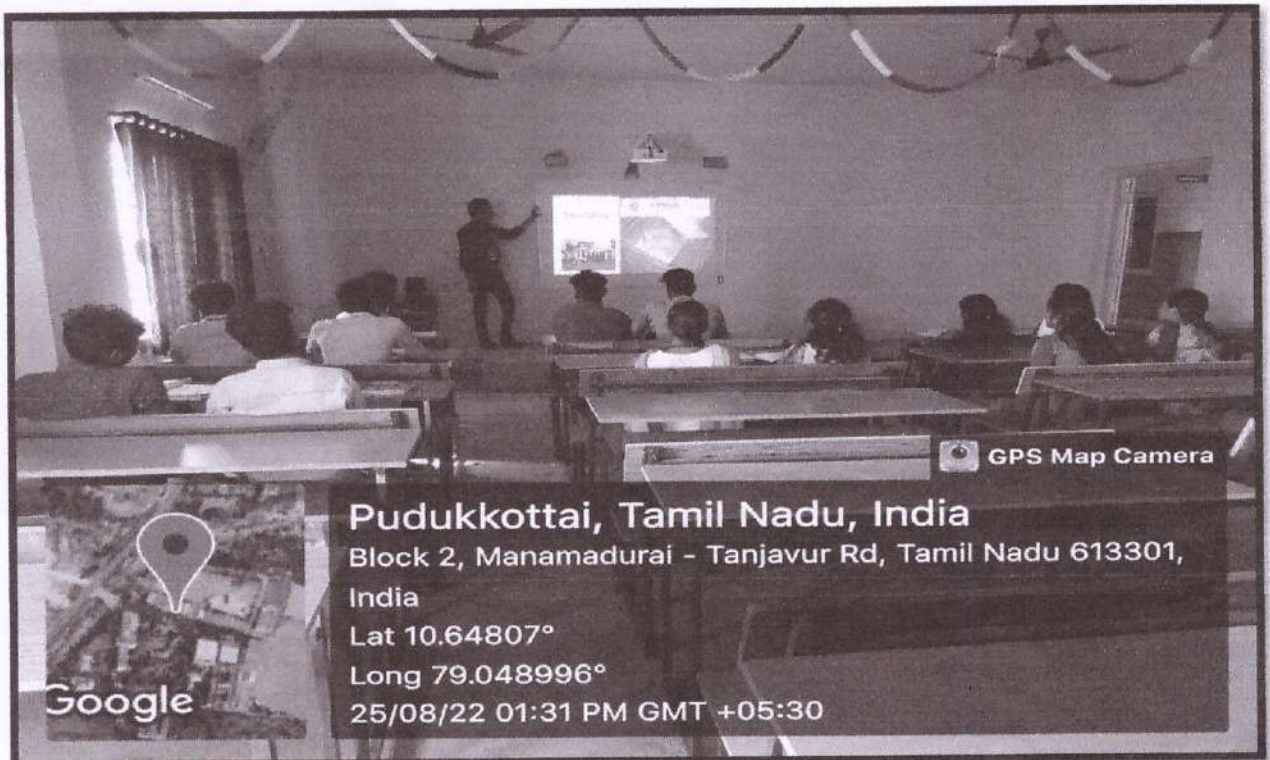
OBJECTIVE

The objective of the course is:

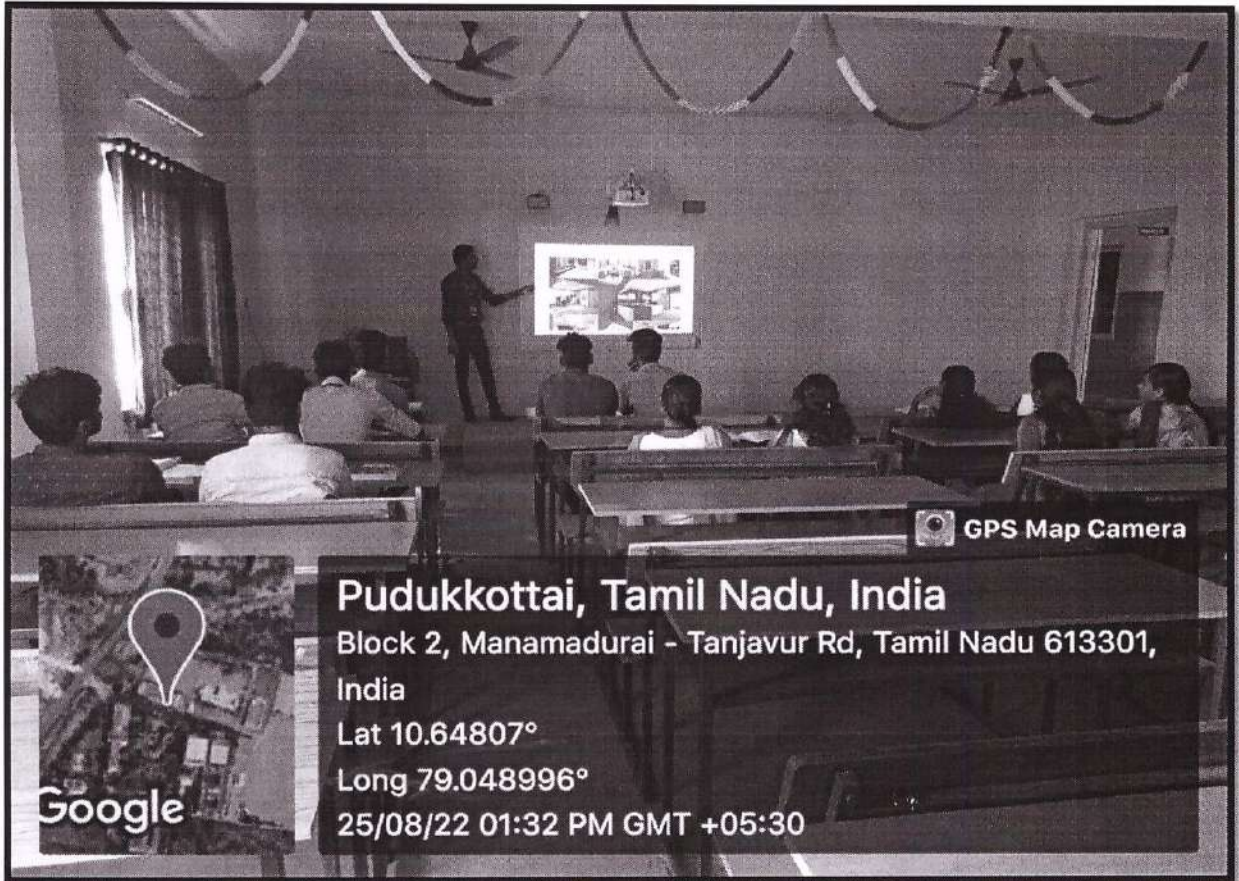
- To learn the concepts of 3D modelling in sketchup.
- To know the concept of 3D elevation and interior design concepts in sketchup.
- To know about the various rendering concepts.

SESSION DETAILS

Mr.R.CHANDRASEKAR, AP/CIVIL, handled the session for IV year students. He explained about the Sketchup 3D, various elevation and interior design concepts.



IV YEAR CIVIL STUDENTS ATTENDING THE SKETCHUP PROGRAM



IV YEAR CIVIL STUDENTS ATTENDING THE SKETCHUP PROGRAM

OUTCOME OF THE COURSE

At the end of session, the students would be able to:

- Understand the concepts in 3D modelling.
- Know the concept of 3D elevation.
- Understand the various concept in interior design.
- Know the concept of lighting in interior design.
- Know about the rendering in sketchup.

R. Chandrasekar
03/12/2022
PREPARED BY
(R. CHANDRASEKAR)

R. Swanan
03/12/2022
HOD/CIVIL

J. Mani
03/12/2022
PRINCIPAL