

**Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:**

Experiential learning, participative learning and problem solving methodologies are well adopted by our college to ensure the holistic development of students. Besides, it focuses on the student-centric methods to develop latest skills, knowledge, attitude, values to shape students' career.

#### **Experiential Learning:**

Employability Enhancement Courses have been offered by the institution in the curriculum under Regulations 2019 to enrich the experiential learning to the students. In addition the institution imparts the following experiential learning practices to expand the creativity and intellectual levels of the students:

- Mini project and Project works are carried out by the students to showcase their innovative skills.
- Internship provided to the students to get Hands on Training with latest technologies.
- For real time exposures, students are encouraged to participate in National and International conferences, seminars (webinars) and workshops.
- Value Added Courses are given by the experts to develop their expertise in their domain.
- Guest Lectures are given by eminent experts from industry and academics to support learning process.

#### **Participative Learning:**

Participative Learning includes attending seminars, group discussion, quizzes, participating in project contexts, etc. This Participative Learning inculcates the students to become independent, improve leadership skills and augment the creativity.

- National Level Technical Symposiums are conducted through online mode.
- Students are encouraged to participate in National/ International conferences, Symposiums, Seminars and Workshops.
- Proficiency in soft and communication skills through lab sessions.
- Technical Quizzes are organized for student participation at intra or inter college level.
- Students develop their technical skills through Seminar Presentation by presenting papers.
- In order to acquire participative learning, the students are given exposure for Presenting and publishing of papers in conferences and journals.

- College organizes Team activities through NSS, NCC and YRC. Various activities such as Tree Plantation, Blood donation, Swatchh Bharat and Health awareness camp.

**Problem-Solving Methodologies:**

Faculty members encourage students to acquire and develop problem-solving skills. For this, each department organizes expert lectures on various topics, motivate students to join NPTEL courses, participate in various inter-college and intra-college technical activities and other competitions such as:

- Regular Assignments based on problems
- Mini Project development
- Case studies Discussion



# SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

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NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## DEPARTMENT OF CIVIL ENGINEERING

**Academic Year** : 2021-2022 (Even)  
**Subject Code** : 19CEE402  
**Subject Name** : Soil Mechanics  
**Year / Semester** : II / IV  
**Regulation** : 2019  
**Faculty Name & Designation** : S.Anand Kumar, AP/Civil

## INNOVATIONS IN TEACHING / LEARNING / EVALUATION PROCESSES

- 1) Jigsaws
- 2) Active Learning



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## DEPARTMENT OF CIVIL ENGINEERING

Academic Year : 2021-2022

Semester: Even

Subject Name : 19CEE402 / Soil Mechanics

Year / Semester : II / IV

Activity : Jigsaws

Name of the Student: Group A – A.Udhaya, S.Deepak Balu, V.Jeyabharathi, S.Kaviyarasan,  
G.S.Thanikaivelan.



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## DEPARTMENT OF CIVIL ENGINEERING

Academic Year : 2021-2022

Semester: Even

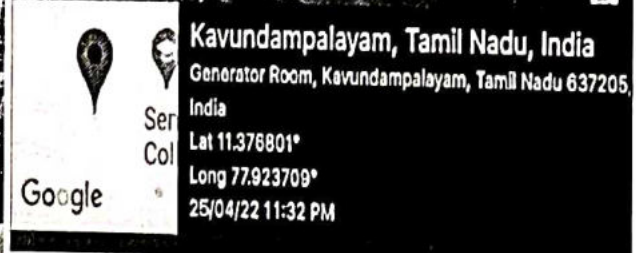
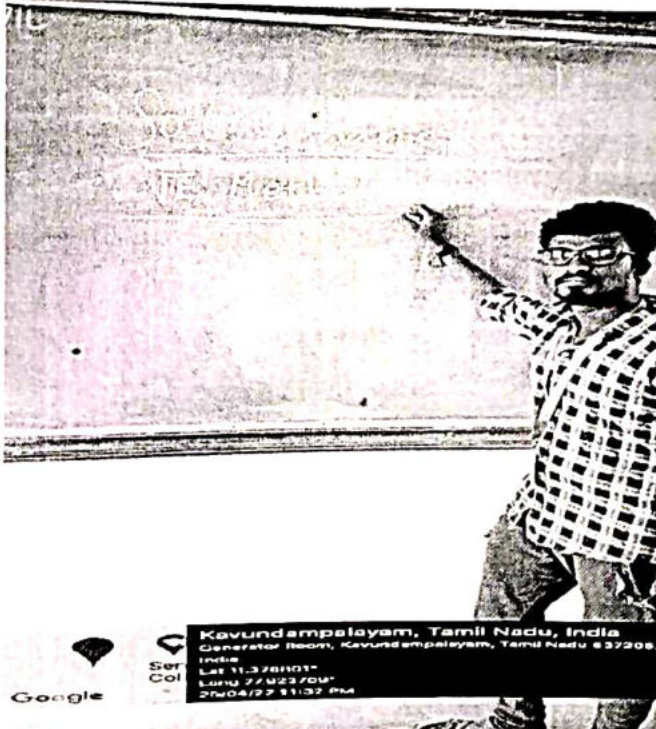
Subject Name : 19CEE402 / Soil Mechanics

Year / Semester : II / IV

Activity : Active Learning

Topic : Square Root  $t(\sqrt{t})$  Method

Name of the Student: Karthik C



*[Signature]*  
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# QUIZZZ

Highway Engineering  
10 Questions

NAME : \_\_\_\_\_

CLASS : \_\_\_\_\_

DATE : \_\_\_\_\_

1. The sieve size used to demarcate coarse and fine aggregate

☐ A 4.75mm

☐ B 300 micron

☐ C 10mm

☐ D 600 micron

2. The unit for specific gravity is \_\_\_\_\_

3. Aggregates are

☐ A Designated based on IS code

☐ B Smaller size particles from rock

☐ C Consolidated mass

☐ D Strength property depends on type rock

4. The unit to express impact value of the aggregate

☐ A Lit

☐ B Percentage

☐ C mm

☐ D Kg

5. The CBR value is expressed in what units?

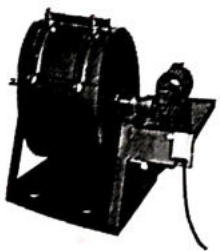
☐ A No units

☐ B 2.5mm

☐ C 5.00mm

☐ D Percentage

6. Identify the equipment used in aggregate testing



☐ A Los Angeles abrasion

☐ B Crushing test

☐ C Water absorption

☐ D Aggregate impact machine

7. CAD stands for

- |                            |                            |                            |                           |
|----------------------------|----------------------------|----------------------------|---------------------------|
| <input type="checkbox"/> A | Communication Aided Design | <input type="checkbox"/> B | Construction Aided Design |
| <input type="checkbox"/> C | Construction And Design    | <input type="checkbox"/> D | Communication And Design  |
| <input type="checkbox"/> E | Computer Aided Design      |                            |                           |

8. Graphics is a language used in the design process for:

- |                            |               |                            |               |
|----------------------------|---------------|----------------------------|---------------|
| <input type="checkbox"/> A | Visualization | <input type="checkbox"/> B | Equation      |
| <input type="checkbox"/> C | Documentation | <input type="checkbox"/> D | Communication |

9. KBE stands for ...

- |                            |                            |                            |                             |
|----------------------------|----------------------------|----------------------------|-----------------------------|
| <input type="checkbox"/> A | Known-Backlash Engineering | <input type="checkbox"/> B | Knowledge-Based Engineering |
| <input type="checkbox"/> C | Knowledge-Basic Engineer   | <input type="checkbox"/> D | Known-Bearing Engineer      |

10. AutoCAD can be downloaded from ...

- |                            |             |                            |                  |
|----------------------------|-------------|----------------------------|------------------|
| <input type="checkbox"/> A | VBA website | <input type="checkbox"/> B | Autodesk website |
| <input type="checkbox"/> C | FEM website | <input type="checkbox"/> D | Python website   |

11. 31/6

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3/6.22

# QUIZZZ

Quiz Name  
Highway Engineering

Date  
Mon May 15 2022 11:31 AM

Hosted by  
SOUNDAR RAJAN M

Average Accuracy

61%

Questions per Attempt

10

Number of Players

22

## Players

Rank	Player Name	Avg. Time	Points	Accuracy	Correct
1	DHAMODHARAJI S	9 secs	50	100%	10 / 10
2	Thanikal velan gs	8 secs	50	100%	10 / 10
3	DEEPAK BALU	4 secs	45	90%	9 / 10
4	Karthick. C	9 secs	40	80%	8 / 10
5	Udhaya A	8 secs	40	80%	8 / 10
6	SHIV kumar	7 secs	35	70%	7 / 10
7	Jeyabharathi v	21 secs	35	70%	7 / 10
8	elavarasan	8 secs	30	60%	6 / 10
9	kishorevenkat	96 secs	30	60%	6 / 10
10	Velapraveen	8 secs	30	60%	6 / 10
11	abdul farook	6 secs	30	60%	6 / 10
12	HAVEEN	7 secs	30	60%	6 / 10
13	HAVEEN KUMAR B	22 secs	20	40%	4 / 10
14	Kaviyarasan	6 secs	20	40%	4 / 10
15	Balasubramanian M	13 secs	20	40%	4 / 10
16	SHIV kumar	16 secs	10	20%	4 / 10
17	Ravikrishna	16 secs	10	20%	4 / 10
18	p.suresh	13 secs	10	20%	4 / 10
19	NANTHAKUMAR B	16 secs	10	20%	4 / 10
20	Sarathi	16 secs	10	20%	4 / 10
21	Siranjeevi	13 secs	10	20%	4 / 10
22	Bharath	12 secs	10	20%	4 / 10

M. S. S. 3/6

3/6, 122



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## DEPARTMENT OF CIVIL ENGINEERING

Academic Year : 2021-2022

Semester: Even

Subject Name : 19CET404 / Highway Engineering

Year / Semester : II / IV

Activity : Flipped Classroom

Topic : 20 Year Road Plan

Name of the Student: A.Udhaya (202011006)



Kavundampalayam, Tamil Nadu, India  
Generator Room, Kavundampalayam, Tamil Nadu 637205,  
India

Lat 11.376801°  
Long 77.923709°  
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*A. S. R. V.*  
FACULTY INCHARGE

*[Signature]*  
HOD

SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS),  
TIRUCHENGODE - 637 205.

19CET403\_APPLIED HYDRAULICS ENGINEERING

Email \*

thanikaivelangscivil2024@scteng.co.in

In open channel flow maximum velocity occurs at a

2 points

- ☐ little distance below the water surface.
- ☒ little distance above the water surface.
- ☐ large distance below the water surface.
- ☐ large distance above the water surface.

The equation for total specific energy is \*

2 points

- ☒  $z + h + (V^2/2g)$
- ☐  $z - h + (V^2/2g)$
- ☐  $z + h + (V/2g)$
- ☐  $z + h$

What is the Froude's number for a channel having mean velocity 4.34 m/s and mean hydraulic depth of 3m?

\* 2 points

- ☐ 0.4m
- ☐ 0.6m
- ☒ 0.7m
- ☐ 0.8m

Find the critical depth of water flowing through a rectangular channel of width 5m, when discharge is  $15\text{m}^3/\text{s}$ .

\* 2 points

- ☐ 3.088 m
- ☒ 0.972 m
- ☐ 0.89 m
- ☐ 0.78 m

The minimum specific energy of a rectangular channel is 1.3m and the base width of the channel is 10m, calculate the discharge through the channel.

\* 2 points

- ☐  $10\text{m}^3/\text{s}$
- ☒  $15\text{m}^3/\text{s}$
- ☐  $20\text{m}^3/\text{s}$
- ☐  $25\text{m}^3/\text{s}$

Calculate the mean hydraulic radius for a channel having  $20\text{m}^2$  cross sectional area and 50m of wetted perimeter. \* 2 points

- ☒ 0.4m
- ☐ 0.5m
- ☐ 0.6m
- ☐ 0.7m

Calculate the mean hydraulic depth of a channel having top width of 7m and cross sectional area of  $35\text{m}^2$ . \* 2 points

- ☐ 4m
- ☐ 5m
- ☒ 6m
- ☐ 7m

Calculate the aspect ratio having channel width of 6m and depth of 8m. \* 2 points

- ☐ 0.75m
- ☐ 1.33m
- ☒ 1.50m
- ☐ 1.68m

The overall efficiency of a reaction turbine is the ratio of \*

2 points

- ☐ Actual work available at the turbine to the energy imparted to the wheel
- ☒ Work done on the wheel to the energy (or head of water) actually supplied to the turbine
- ☐ Power produced by the turbine to the energy actually supplied by the turbine
- ☐ Actual work available at the turbine to energy imparted to the wheel

High head, low head and medium head turbines are classified based on \*

2 points

- ☐ Type of energy at inlet
- ☐ Direction of flow through runner
- ☒ Head at inlet of turbine
- ☐ Specific speed of turbine

This form was created inside of Sengunthar Engineering College.

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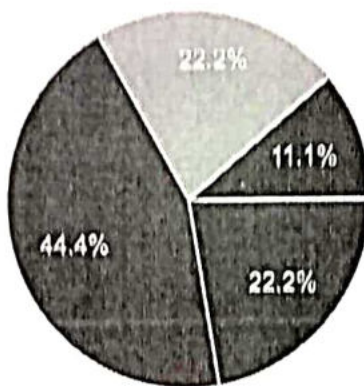
9 responses

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In open channel flow maximum velocity occurs at a

 Copy

9 responses

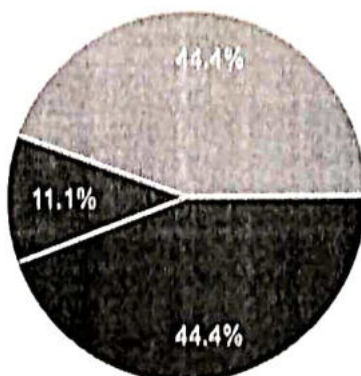


- little distance below the water surface.
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 Copy

9 responses

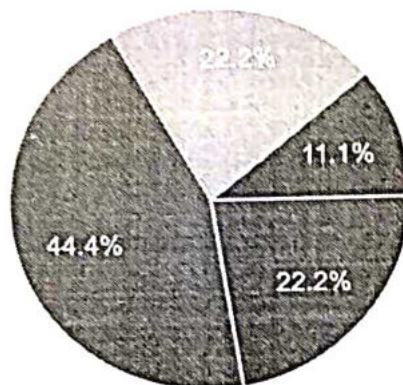


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9 responses

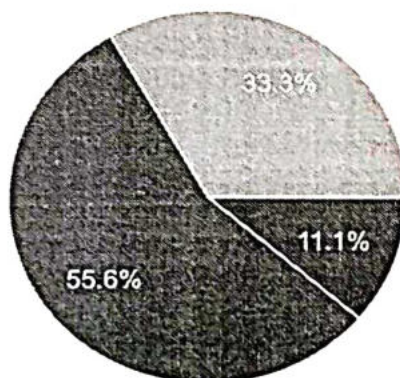


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9 responses

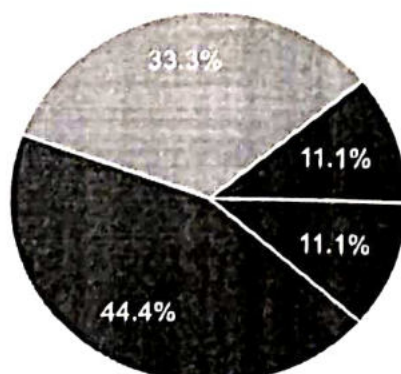


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9 responses

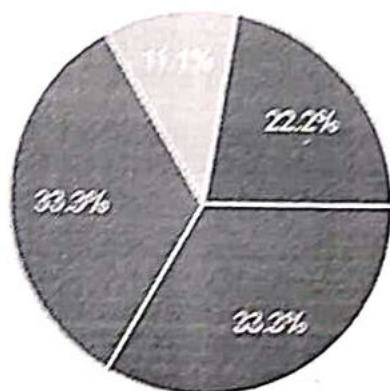


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9 responses

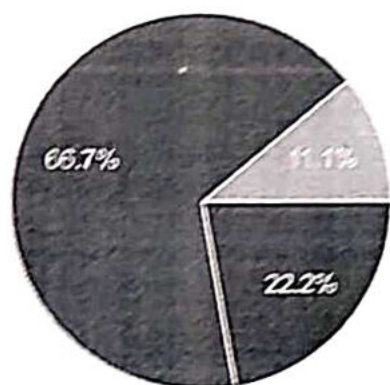


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9 responses

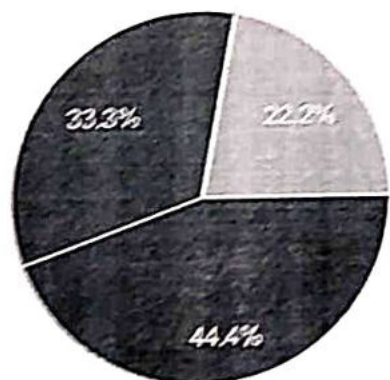


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- ☐ 5m
- ☐ 6m
- ☐ 7m

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9 responses

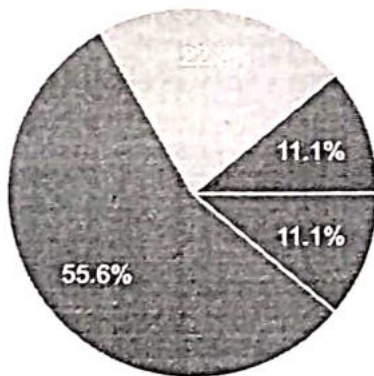


- ☐ 0.75m
- ☐ 1.33m
- ☐ 1.50m
- ☐ 1.62m

The overall efficiency of a reaction turbine is the ratio of

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9 responses

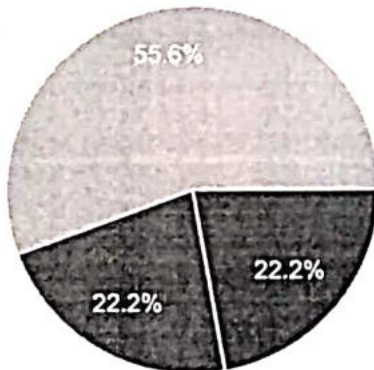


- Actual work available at the turbine to the energy imparted to the wheel
- Work done on the wheel to the energy (or head of water) actually supplied to the turbine
- Power produced by the turbine to the energy actually supplied to the turbine
- Actual work available at the turbine to energy imparted to...

High head, low head and medium head turbines are classified based on

 Copy

9 responses



- Type of energy at inlet
- Direction of flow through runner
- Head at inlet of turbine
- Specific speed of turbine

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## DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR : 2021-2022

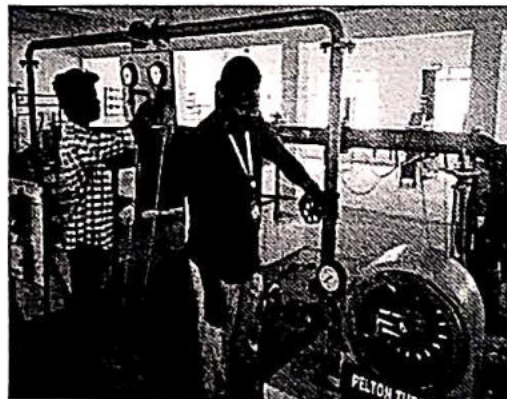
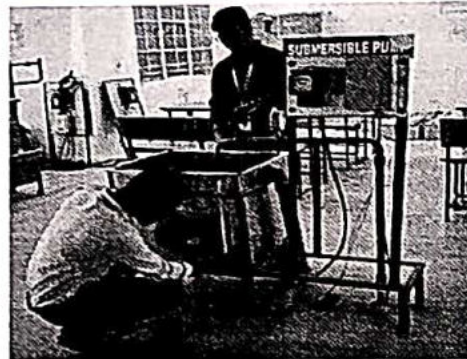
SEMESTER : EVEN

SUBJECT NAME : 19CET403 Applied Hydraulics Engineering

FACULTY INCHARGE : N.Kiruthika/AP

YEAR / SEMESTER : II / IV

TOPIC : Experience in lab experiments



N. Kiruthika  
8/6/22  
Faculty In-Charge

HoD  
8/6/22



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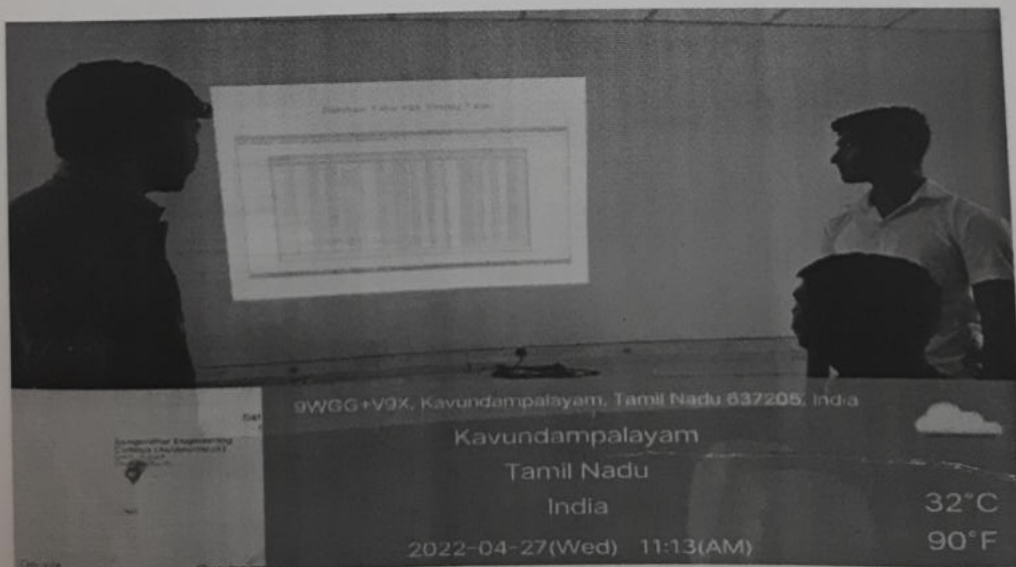
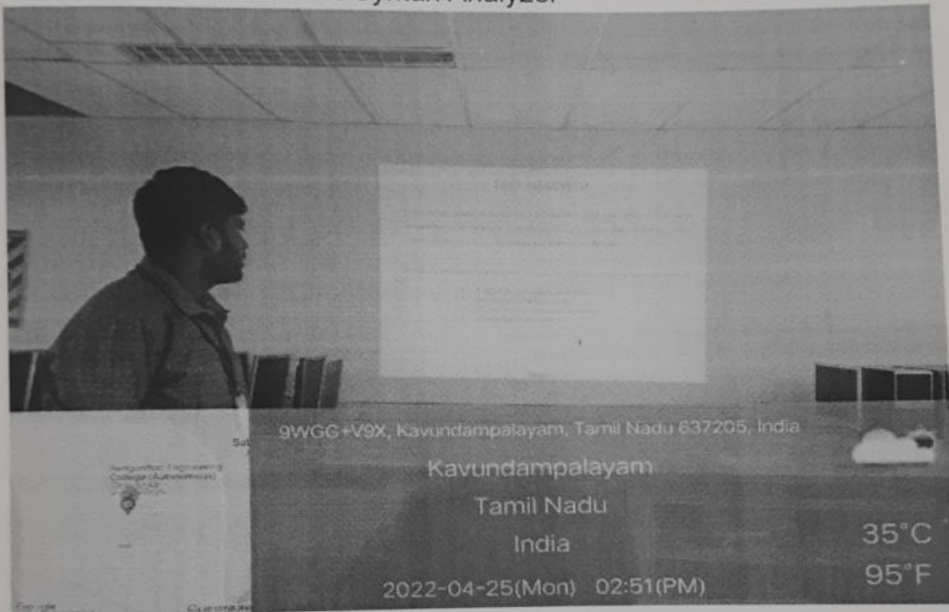
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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### Interactive Discussions

Subject Code / Name : 19CST602 / Compiler Design  
Regulation : 2019  
Year & Semester : III & VI  
Academic Year : 2021-2022  
No. of Students : 28  
Staff handled : Dr.S.Radha  
Student Involved : Kesavaraman.K, Gowtham.G & Kanagasabapathi.E  
Topics Discussed : Role of Syntax Analyzer



*[Signature]*  
27/4/22  
STAFF INCHARGE

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR : 2021-2022  
SUBJECT NAME : 19CST601-MACHINE LEARNING TECHNIQUES  
YEAR / SEMESTER : III / VI  
ACTIVITY : Think - Pair - Share  
TOPIC : Face Recognition Using Artificial Neural Network  
NAME OF THE STUDENTS : G. Gowtham (201912006), M.Lokesh(201912012), M.Sivanesan(201912022)



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31/5/22

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31/05/2022



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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR : 2021-2022 SEMESTER : EVEN

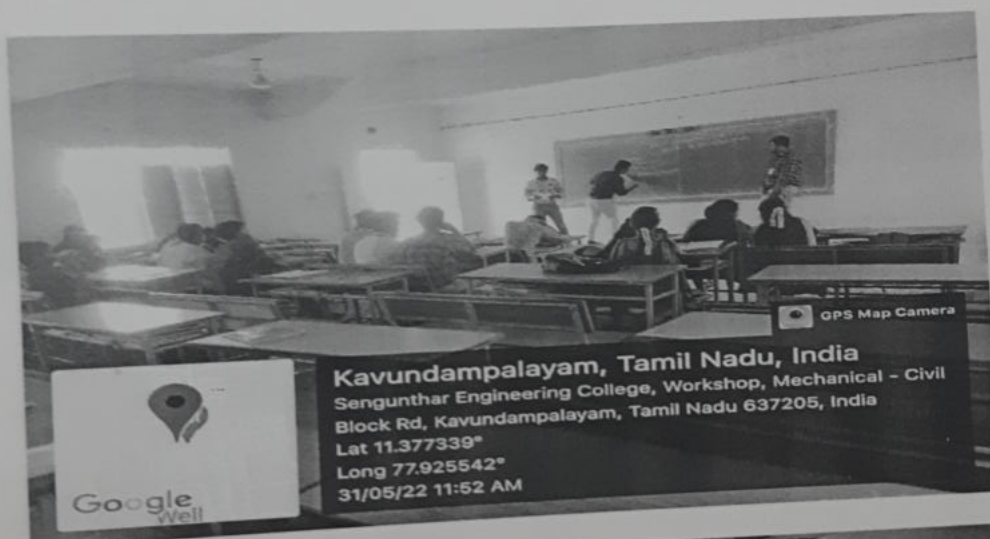
SUBJECT NAME : 19CST601-MACHINE LEARNING TECHNIQUES

YEAR / SEMESTER : III / VI

ACTIVITY : Think – Pair - Share

TOPIC : Face Recognition Using Artificial Neural Network

NAME OF THE STUDENTS : G. Gowtham (201912006), M.Lokesh(201912012), M.Sivanesan(201912022)



31/5/22

A. Jeyan- 31/05/2022



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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### FLIPPED CLASS ROOM

Subject Code : 19EET602  
Subject Name : Electrical Drives  
Regulation : R2019  
Course and Branch : B.E. & EEE (6<sup>th</sup> Semester)  
Academic Year : 2021 – 2022 (Even Semester)  
Staff Handled : Mr.D.Sathiyaraj, AP/EEE

S.No	Batch	Name of the Student(s)	Question
1	I	DINESHKUMAR D	What causes the poor input power factor in phase controlled DC drives?
		KOUSIK A	
		PRAVEIN K R	
2	II	MAGESHVARAN S	Can a semiconductor drive operated in quadrant IV? Justify your answer.
		RITHIC KUMAR S R	
		VIJAY VARMAN P	
3	III	RAJAMANI S	Why speed control of induction motor using stator voltage control is suited for fan and pump drives?
		VIGNESHWARAN R	
		VIJAY S	
4	IV	SRI NIVASHINI PRIYA V	What is the necessity of inner current loop is employed in closed loop operation of DC motor?
		RAJESWARAN V	

*Signature*  
01/5/22

FACULTY INCHARGE

*Signature*  
01/5/22

## Flipped Class Room

Group: I

Name(s): DINESHKUMAR D, KOUSIK A, PRAVEIN K R

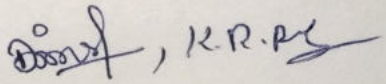
Subject Code : 19EET602

Subject Name : Electrical Drives

Topic: What causes the poor input power factor in phase controlled DC drives?

Explanation:

The input power factor in the phase controlled rectifier is low **when the output voltage is less than the maximum**, that is when the firing angle is large. When the firing angle increases, the converter draws more lagging reactive power.

  
Signature

## Flipped Class Room

Group: II

Name(s) : MAGESHVARAN S, RITHIC KUMAR S R, VIJAY VARMAN P

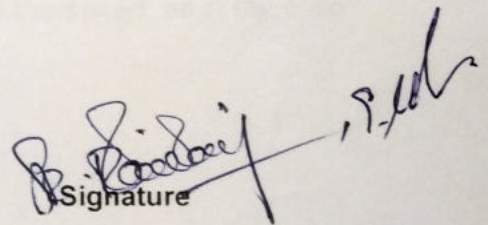
Subject Code : 19EET602

Subject Name : Electrical Drives

Topic: Can a semiconductor drive operated in quadrant IV? Justify your answer.

Explanation:

Yes. In the fourth quadrant, the motor speed is negative and the developed torque is positive, hence the motor power is negative which is corresponding to the braking operation. Therefore, the operating in fourth quadrant is known as **reverse breaking**.

  
Signature

## Flipped Class Room

Group: III

Name(s) : RAJAMANI S, VIGNESHWARAN R, VIJAY S

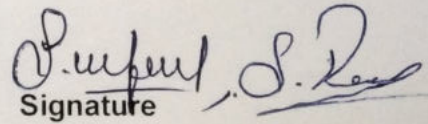
Subject Code : 19EET602

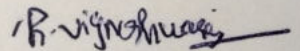
Subject Name : Electrical Drives

Topic: Why speed control of induction motor using stator voltage control is suited for fan and pump drives?

Explanation:

Hence, when the supply voltage is decreased to reduce the speed for the same current, the torque developed by the motor is reduced. Therefore, the stator voltage control method is suitable for applications where the load torque decreases with the speed, as in the case of a fan load.

  
Signature



## Flipped Class Room

Group: IV

Name(s): SRI NIVASHINI PRIYA V, RAJESWARAN V

Subject Code : 19EET602

Subject Name : Electrical Drives

Topic: What is the necessity of inner current loop is employed in closed loop operation of DC motor?

### Explanation:

The Closed Loop Speed Control of DC Motor schemes are provided with inner current control loop in order to limit the current within a safe limit and also to accelerate and decelerate the drive at the maximum permissible current and torque during transient operations.

V. S. N. P.  
Signature



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### VIRTUAL LAB EXPERIMENTS (For III YEAR / VI semester EEE students) (2019 Regulation)

T.GOHILA Asp/EEE

1

#### Virtual Power Lab Experiments

1. To study the Synchronization of alternator with infinite bus bar.
2. To determine the direct axis reactance ( $X_d$ ) and quadrature axis reactance ( $X_q$ ) of synchronous machine.
3. To determine positive sequence, negative sequence and zero sequence reactances of an alternator.
4. To measure the dielectric strength of transformer oil.
5. To study the effect of different shape of electrodes on dielectric (air) breakdown.
6. To study the gas actuated Buchholz relay for oil filled transformer.
7. To study the over-current relay and the effect of PSM and TSM.
8. To determine the sub-transient ( $x_d''$ ), transient ( $x_d'$ ) and steady state reactance ( $x_d$ ) of a synchronous machine.
9. To study the Ferranti Effect of a transmission line/cable.
10. To study the differential Protection of a three phase delta-delta connected transformer.

#### Goal of the Virtual Power Lab

To develop virtual machines and power laboratory to facilitate the students to work with their own convenience and easily understand the practical concepts. Also it helps in generating the interest in students' community to get better insight about the subjects related to machines and power systems.

Lab work is very important to bridge the gap between the theoretical knowledge and practical work. The motto of the laboratory work is to learn here and earn outside.

Students always have fear while working experimentally in the laboratories. Especially in electrical engineering labs like machines lab where the voltage level is generally 230 V or 415 V at 50 Hz, which may cause a serious shock or sometimes cause death also. Hence, there is a need to follow certain precautions to work safely in the lab. While working in lab, one must properly be isolated from ground (i.e. wear proper shoes), so that there is no chance of flowing the leakage current through the body.

T.GOHILA Asp/EEE

2

## Experiment-1

### OBJECTIVE

To study the Synchronization of the alternator with infinite bus bar.



### EQUIPMENTS REQUIRED

1. DC Motor - Alternator Set
2. Voltmeter-1
3. Rheostats-2
4. Tachometer- 1

## CONNECTION DIAGRAM

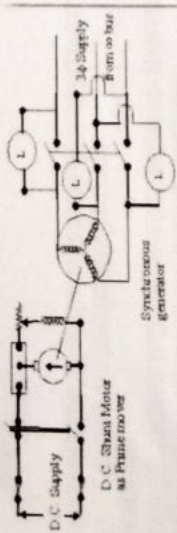


Fig 1.1: Connection diagram for synchronizing the alternator with 3-lamp method

### PROCEDURAL STEPS

1. Make the connection diagram as shown in figure 1.1
2. Run one of the alternators and adjust its voltage at rated value and close switch to bus bar.
3. Start the second set (alternator 2), bring it upto proper speed equal to that of the running alternator (or bus bar voltage).
4. Synchronize the incoming alternator by any one method described in theory.

**power system** consists of generation, transmission and distribution system. Typically **modern power system** refers to the technical advancements in generation, transmission and distribution.

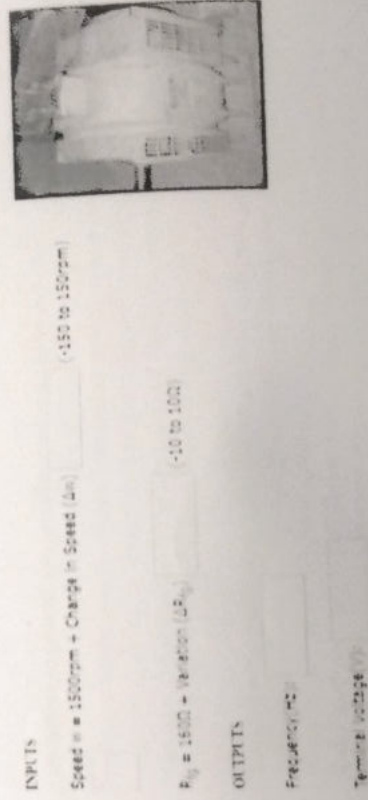
- ❖ Example : Technology like Automatic load frequency control, SCADA, HVDC, EMS systems etc.

The evaluation of power system is called as **power system analysis**. In monitoring power system analysis, we are mainly dealing with load flow analysis, short circuit analysis and stability analysis.

## Observations of Experiment - I

1. Measure and adjust voltage of incoming machine ( $V_g$ ) and bus bar ( $V_b$ ) till  $V_g = V_b$ .
2. Measure and adjust the speed of incoming machine, till synchroscope needle creeps.
3. Close synchronising switch

### Synchronous Generator Simulation



**Quizizz**

NAME : \_\_\_\_\_

Assignment - IV - Mechanical Design of T.L and UG Cables CLASS : \_\_\_\_\_

20 Questions

DATE : \_\_\_\_\_

1. When the potential across each disc is the same, then the string efficiency is.....

☐ A 100%☐ B 25%☐ C 50%☐ D 75%

2. The discs of the strain insulators are used in.....

☐ A Vertical plane only☐ B Both vertical and Horizontal☐ C Horizontal plane only☐ D Inclined

3. The shunt capacitance is increased, then the string efficiency is.....

☐ A doubled☐ B increased☐ C constant☐ D decreased

4. The most commonly used material for insulators of over head lines is.....

☐ A PVC☐ B Glass☐ C Mica☐ D Porcelain

5. The minimum and maximum dielectric stress in a cable is at.....

☐ A lead sheath, conductor surface☐ B both at lead sheath☐ C both at the center of the conductor☐ D conductor surface, lead sheath

6. The thickness of the layer of the insulation on the conductor in cable depends upon.....

☐ A reactive power☐ B voltage☐ C current carrying capacity☐ D power factor

7. A cable immediately above the metallic sheath.....is provided

- A bedding
- B serving
- C armouring
- D earthing

8. Capacitance grading implies....

- A using single dielectrics with different concentrations
- B different lengths to counter the effect of inductance
- C capacitance of cables per kilometres length
- D use of dielectrics of different permittivities

9. Formula for vertical sag...

- A  $s \tan \theta$       B  $s \sec \theta$   
C  $s \cos \theta$       D  $s \sin \theta$

10. A 100 kV transmission line has an ultimate strength of 3000 kg, a safety factor of 3 and working tension of .....kg

- |   |      |   |      |
|---|------|---|------|
| A | 2000 | B | 3000 |
| C | 1000 | D | 4000 |

11. The sag template is required for.....

- A finding the sag in the conductor
- B design of insulators
- C footing of towers
- D finding the length of conductor

12. Stringing chart is useful in.....

- A the design of insulator string
- B finding the length of the conductor
- C finding the sag in the conductor
- D the design of towers

13. The insulators used in guy cables are....

- A egg or stay insulators
- B disc type insulators
- C shackle insulators
- D pin type insulators

- D** remains unchanged

**Answer Key**

1.a	2.a	3.d	4.d
5.a	6.b	7.a	8.d
9.c	10.c	11.c	12.c
13.a	14.a	15.b	16.b
17.d	18.c	19.d	20.b



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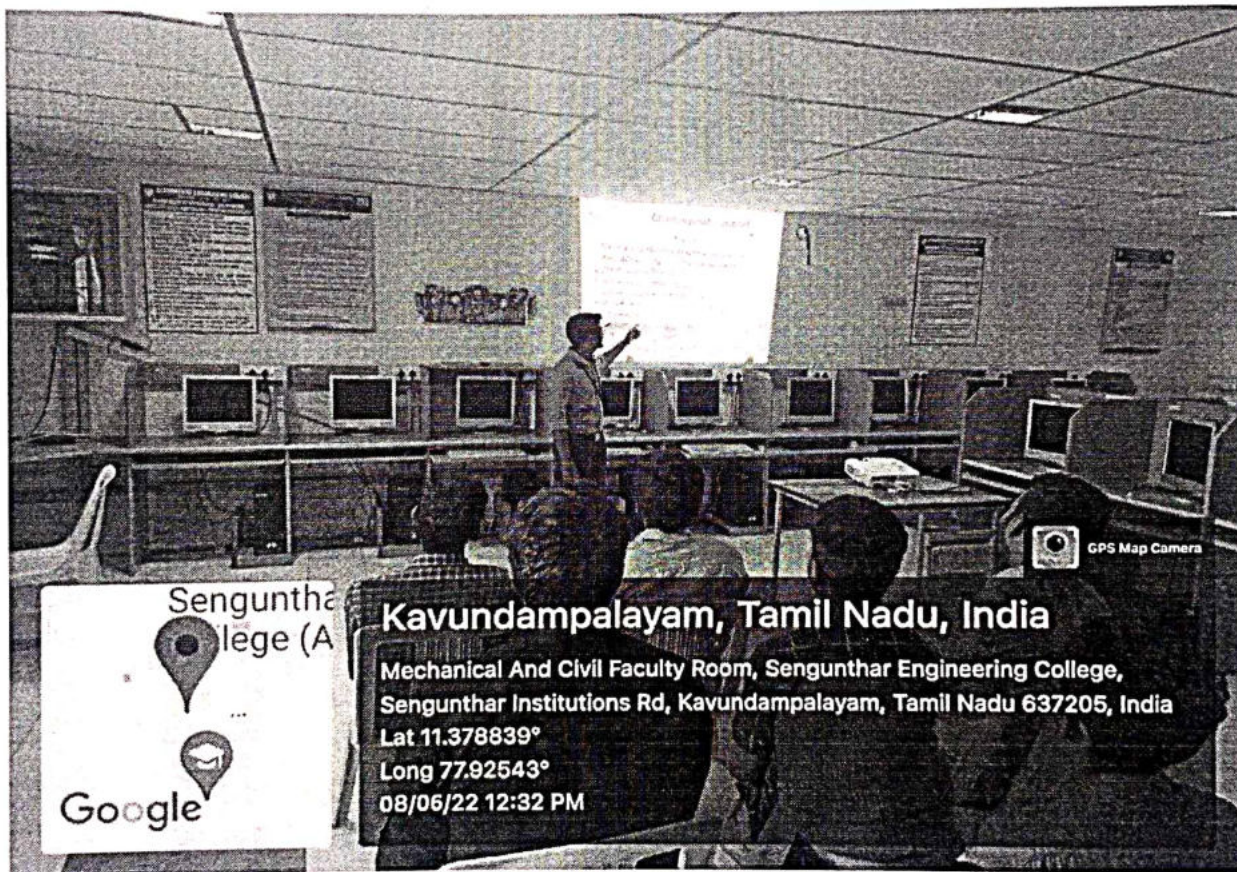
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## DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR : 2021-2022 SEMESTER : EVEN  
SUBJECT NAME : 19CEOX04- RENEWABLE ENERGY RESOURCES  
FACULTY INCHARGE : Mr.C.MOHANKUMAR / AP  
STUDENT NAME : HARIPRASAD M  
YEAR / SEMESTER : III / VI  
ACTIVITY : ACTIVE LEARNING  
TOPIC : WIND ENERGY



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Faculty In-Charge

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# WIND ENERGY

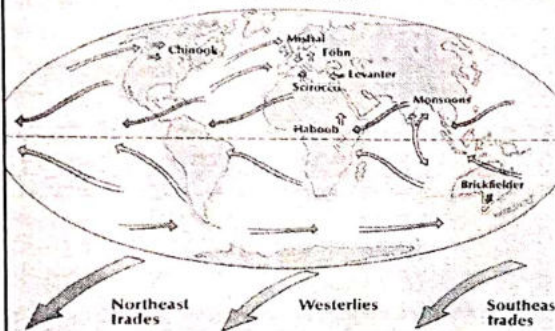
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## SOURCES OF WIND

- Wind is air in motion.
- Is the result of the conversion of the potential energy of the atmosphere into kinetic energy due to pressure differential.
- Most prominent feature of climatology in INDIA is the monsoon circulation.

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Uneven heating of earth's surface and rotation  
Map of world winds



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**Kinetic energy in the wind  
is about  $0.7 \times 10^{21}$  J.**

WIND ENERGY LAB, DEPARTMENT OF MECHANICAL ENGINEERING, MANIT BHOPAL

- The fuel is wind when the power is generated by wind

- 1% of land area is needed for installation of Wind Turbine

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## Wind Power

$$P_T = C_P \frac{1}{2} \rho A V^3$$

- $P_T$  wind power
- $C_P$  power coefficient or efficiency
- $\rho$  air density
- $A$  swept area of wind turbine
- $V$  wind speed

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## ENERGY EXTRACTION

$$C_{pMax} = 16/27$$

approximately 59%

**Betz Criterion**

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## Turbine Evolution

Used for

- Pumping water
- Grinding grain



Mainly used for

Generating Electricity



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## State-wise Wind Power Installed Capacity

State	Capacity (MW)	Capacity (MW)
Andhra Pradesh	8968	136
Gujarat	10,645	1864
Karnataka	11,531	1473
Kerala	1171	28
Madhya Pradesh	1019	229
Maharashtra	4584	2078
Orissa	255	-
Rajasthan	4858	1088
Tamil Nadu	5530	4907
Others		4
Total (All India)	48,561	11807

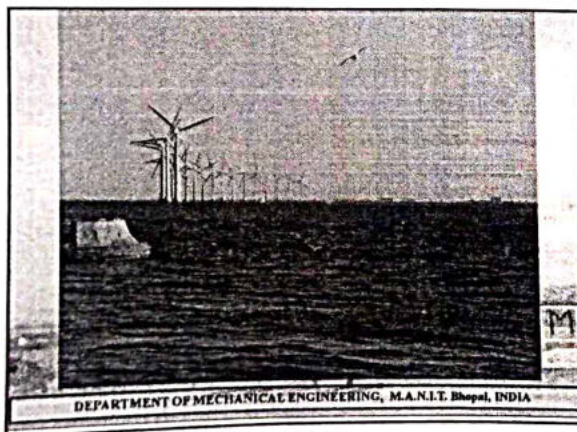
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## OFF-SHORE INSTALLATION

- Installation in shallow water few kilometers from the seashore.
- The key feature for off-shore is high reliability of wind.
- In innovative move, turbines are placed on floating platforms and anchored to the sea bottom.



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## WIND POWER PENETRATION

- Up to 10% is the short term goal for many countries.
- Germany in particular, several power utilities are expecting future wind contribution as high as 30%.
- Uncertainty of wind constitutes a challenge to achieve a much higher degree of grid penetration.
- Work is on for wind models for predicting the power for next 24 to 48 hours



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## CRITERION

- Criterion for identification of a potential site
- Sites having wind power density greater than  $200 \text{ W/m}^2$  at 50 m height

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## Environmental Impact

### Noise

- Mechanical Noise - gear box, generator
- Aerodynamic Noise - Swishing sound
- Wind farm at 350 m away
- noise level - dB(A) 35-45
- Electromagnetic interference
- Visual impact
- Shadow flicker
- Ecology, Loss of Bird Life

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## ECONOMICS

- Annual Energy Production
- Capital Cost
- Annual capital charge rate
- Pay back period
- Operation & maintenance cost, insurance, land leasing, etc.
- Life Cycle Cost Analysis

### ANNUAL ENERGY PRODUCTION DEPENDS

- Speed power curve of wind turbine
- Wind speed frequency distribution of site
- Availability of wind turbine

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## What is needed?

- Allow wind turbine projects on agricultural land where cultivation is not affected.
- Further off-shore wind power needs to be assessed and explored.

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## Need of the Hour

1

### National Plan

A nationwide wind monitoring campaign is to be started at the earliest to have clear picture of wind resource potential of India.

Other alternative is to seek advanced methods of assessment by International Agencies for drawing wind atlas of the country.

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WMS of 50 metre height and above in

- Himalayan region
- J&K
- Himachal Pradesh
- Laddak
- Thar Desert and
- Aravalis in particular &
- other inland areas in general

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Off-Shore

• Higher in Indian context and needs to be quantified with advanced techniques at

• Bay of Bengal

• Arabian sea

• around Andamans and Nicobar Islands, and Lakshadeep etc. for wind atlas of the off-shore areas

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Need of the Hour

2

Off-Shore

It needs to be quantified the wind energy potential with advanced techniques at several place around the shore line

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Need of the Hour

3

National Policy

Efforts at national level for indigenous development of commercial wind turbines is to be initiated.

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Need of the Hour

4

Massive Efforts

Training the man power for inland and off-shore wind farms, use of latest softwares and efforts for developing Indian version of wind analysis, simulation and modelling software and wind farm design software

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Need of the Hour

5

Education

M.Tech. level course on Wind Energy can be started in few Institutes

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## Need of the Hour

6

### Re-Powering

Replacing older, less efficient wind turbines with a smaller number of more powerful recent models

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## Need of the Hour

7

### Targets for Renewable Energy

To develop the necessary regulatory frameworks to expand renewables, including financial frameworks, grid access regulation, planning and administrative procedures.

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## Need of the Hour

8

### Specific Policy Mechanism

The market for generated power needs to be clearly defined in national laws, including stable long term fiscal measures that minimize investor's risk and ensure an adequate returns on investment.

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## Need of the Hour

9

### Electricity Market Reforms

Removal of barriers to market entry, removing subsidies to fossil fuels and nuclear and the social and environmental costs of polluting energy.

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## Current Research Areas

- Integration of WECS with large buildings
- Wind power forecasting model, short and long term
- Penetration limits in grid
- System integration of WE
- Lightning protection of blade and tower structure
- Testing and reliability of composite materials for blade in different environmental conditions
- Numerical & observed wind atlas – modeling, verification & application

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## ....Current Research Areas

- Stand alone and non-grid WECS
- Wind – Solar conversion systems for different applications
- VAWT – aerodynamic studies of various configurations
- Offshore – foundation, cable & peculiar issues of marine operation
- Human resource development & assessment in fast emerging wind energy sector
- Wind farm design and flow modelling

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7/29/2022

Conclusion

Wind power is emerging as an environment friendly alternative to meet the ever increasing world demand for electricity, at an affordable price.



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30/7/22

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## DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year : 2021-2022

Semester: Even

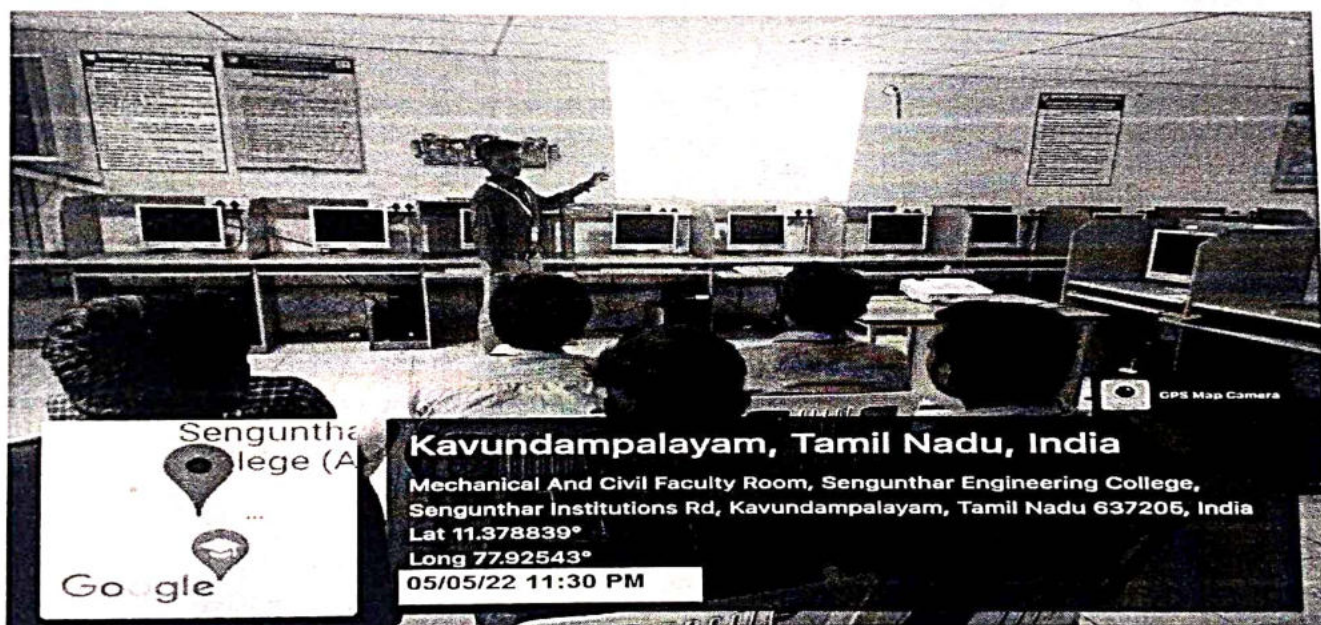
Subject Name : 19MEE404- Manufacturing Technology-II

Year / Semester : II / IV

Activity : Active Learning

Topic : Gear Cutting and Forming process

Name of the Student: Elayaraja.T



*W. S. S. S.*  
FACULTY INCHARGE

*N. Thiruv*  
5.5.22  
HOD

## METHOD OF GEAR MANUFACTURING

**Gear forming-** where the profile of the teeth are obtained as the replica of the form of the cutting tool (edge); e.g., milling, broaching etc.

**Gear generation-** where the complicated tooth profile are provided by much simpler form cutting tool (edges) through rolling type, tool – work motions, e.g., hobbing, gear shaping etc

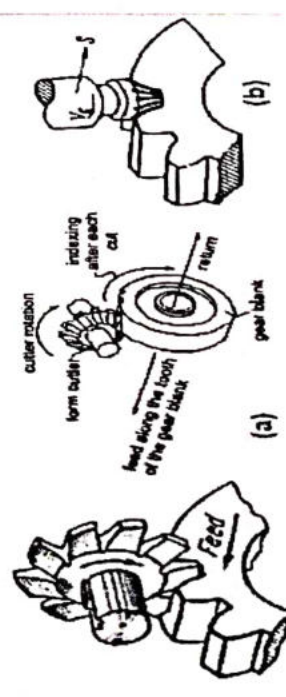
## METHOD OF GEAR MANUFACTURING

**Gear forming-** where the profile of the teeth are obtained as the replica of the form of the cutting tool (edge); e.g., milling, broaching etc.

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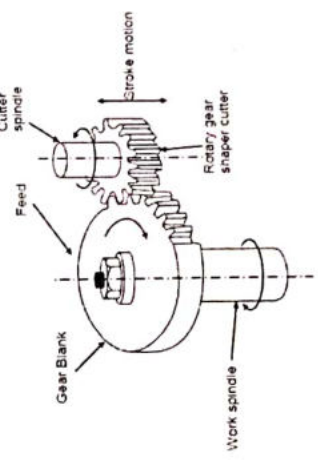
## METHOD OF GEAR MANUFACTURING

**Gear forming- Milling**



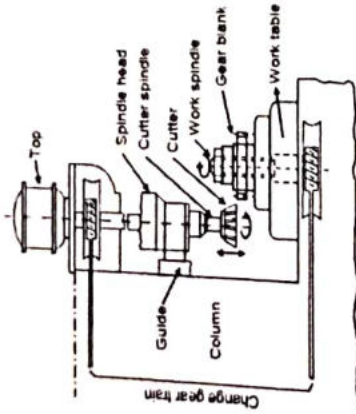
## Gear Shaping : 1. Gear Cutting by Gear Shaper

- Process of Gear Cutting by Shaper Cutter



## Gear Cutting by Gear Shaper

### • Setup for Gear Shaping Machine



Setup for Gear Shaping Machine

## Gear Cutting by Gear Shaper

### *Advantages of Gear Shaping Process*

- Shorter product cycle time and suitable for making medium and large sized gears in mass production.
- Different types of gears can be made except worm and worm wheels.
- Close tolerance in gear cutting can be maintained.
- Accuracy and repeatability of gear tooth profile can be maintained comfortably.
- For same value of gear tooth module a single type of cutter can be used irrespective of number of teeth in the gear.

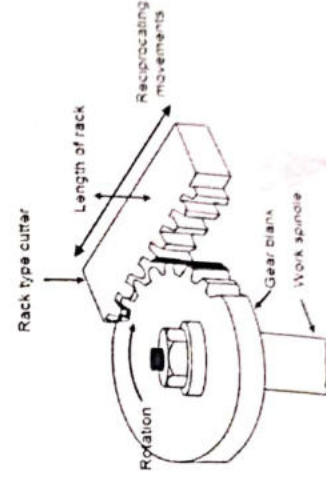
## Gear Cutting by Gear Shaper

### *Limitations of Gear Shaping Process*

- It cannot be used to make worm and work wheel which is a particular type of gear.
- There is no cutting in the return stroke of the gear cutter, so there is a need to make return stroke faster than the cutting stroke.
- In case of cutting of helical gears, a specially designed guide containing a particular helix and helix angle, corresponding to the teeth to be made, is always needed on urgent basis.

## 2. Gear Shaping by Rack Shaped Cutter

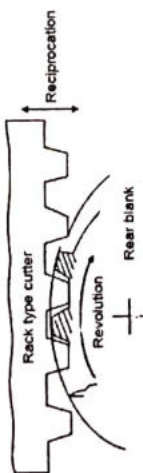
### • Gear Cutting by Rack Shaped Cutter



## 2. Gear Shaping by Rack Shaped Cutter

- **Rack Planning Process**

- This process is used for shaping of spur and helical gear teeth with the help of a rack type cutter.



Gear Shaping by Rack Type Cutter



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## DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year : 2021-2022

Semester: Even

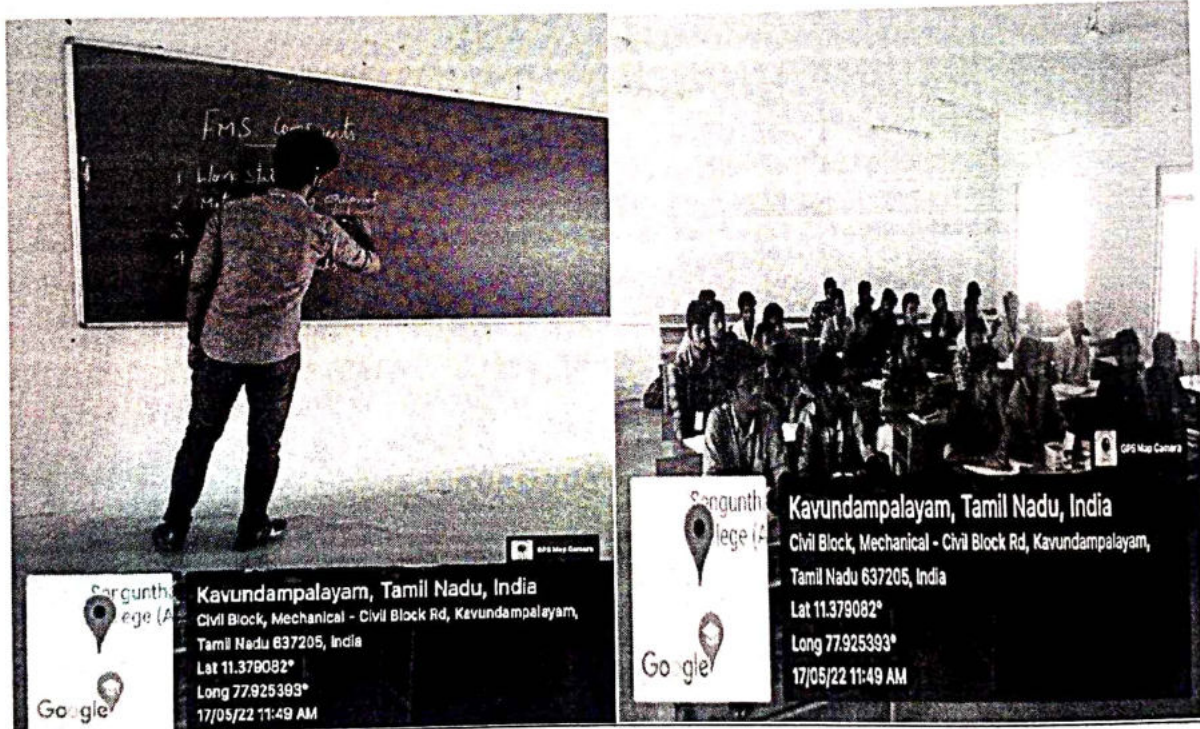
Subject Name : ME8094- Computer Integrated Manufacturing Systems

Year / Semester : IV / VIII

Activity : Active Learning

Topic : Components of Flexible Manufacturing System and Automated Guided Vehicle

Name of the Student: Karthikeyan. C



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FACULTY INCHARGE

*[Signature]*  
HOD

C. Karthikeyan

612318114020

ME8094-CIMS

Active Learning  
Methods

1. Define FMS and explain in detail about the FMS components :-

A flexible manufacturing system (FMS) consists of four or more processing workstations connected mechanically by a common part handling system and controlled automatically by a distributed computer system.

Components/Elements of FMS :-

- \* workstations.
- \* material handling and storage system.
- \* Computer control system, and.
- \* human resources.

FMS workstation :-

The workstation used in FMS depends upon the type of manufacturing by the system.

In metal cutting/machining system, the principle processing stations are used by CNC machine tools.

The types of work station are:

- \* Load / unload station.
- \* machine stations.
- \* Assembly work station.
- \* Inspection station.
- \* other processing stations.

1. Load / unload station:

The load / unload station is the physical interface between the FMS and the rest of the factory.

At loading station, raw work part enters the system. As unloading station, finishing parts exit the system.

2. machining station / centers:

A machining center is a multipurpose one machine tool that has an automatic tool changing capacity. Predominantly one machine tools are used as FMS machine centers.

One machining center possesses the facilities such

- \* automatic tool changing, and tool storage.
- \* use of palletized work parts.

\* use of cnc

\* capacity for distributed numerical control (DNC)

### 3. Assembly work station:

Assembly operation are also performed by some FMS. In such FMS Flexible automated assembly work station are developed to replace manual labor in the assembly of products.

### 4. Inspection system:

obviously FMS include inspection operations the inspection operation can be done either at making work station it self or at specific inspection station

### material handling system and storage system:

material handling and storage system is the second main component of an FMS

Generally requirement set against the FMS material handling and storage system include part transportation, raw material and final product transformation, and storage of work pieces, empty pallets, cutlery material waste, fixtures and tools.

- \* function of the material handling system.
- \* Types of FMS layout.
- \* Types of handling, equipment used in FMS.

### 3. Computer Control system:

The third major component of FMS is the Computer Control system.

\* In flexible manufacturing system, computer are required to control the automated and semi automated equipment and to participate in the overall coordination and management of the manufacturing system.

\* A typical FMS computer control system consist of a central computer and micro computer controlling individual machines and other components. The control computer coordinate the activities of the components to achieve smooth overall operation of the system.

### 4) Human Resource:

The fourth and final component in the FMS is human laborer like in any other manufacturing

approaches, the operations of the FMS also managed by human labour.

In FMS, human labour is needed to perform the following function.

- \* To load new work parts into the system.
- \* To unload finished work parts from the system.
- \* For tool changing and tool setting.
- \* For equipment maintenance and repair.
- \* To furnish new part programming in a machining system.

2. material handling system :-

- \* Primary handling system.
- \* Secondary handling system.

1. Primary handling :-

The primary handling system establishes the basic layout of the FMS and is responsible for moving work part between workstation in the system.

S.NO	Layout configuration	typical material handling system.
1	In Line Layout	* Conveyor system. * Shuttle system.

2.	loop Layout	<ul style="list-style-type: none"> <li>* Conveyor system.</li> <li>* In-floor turntable for</li> </ul>
3.	Ladder Layout	<ul style="list-style-type: none"> <li>* Conveyor system.</li> <li>* Rail guided vehicle.</li> <li>* AGV.</li> </ul>
4.	open field layout	<ul style="list-style-type: none"> <li>* In floor turntable</li> <li>* AGV.</li> </ul>
5.	open central system	* Industrial Robot.

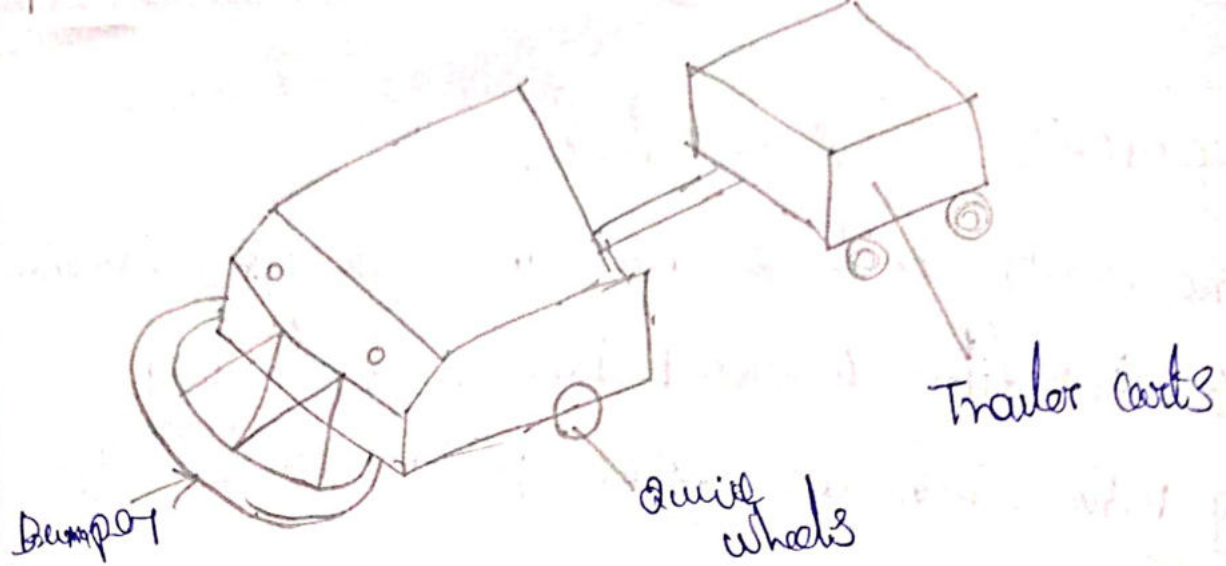
## 2. Secondary handling system :-

\* The Secondary handling system consists of transfer device, automatic pallet change, and similar mechanism located at the work station in the FMS.

\* The function of the secondary handling system is to transfer work parts from the primary system to the machine tool or other processing station.

\* To position the work parts with primary and repeatability at the work station for processing.

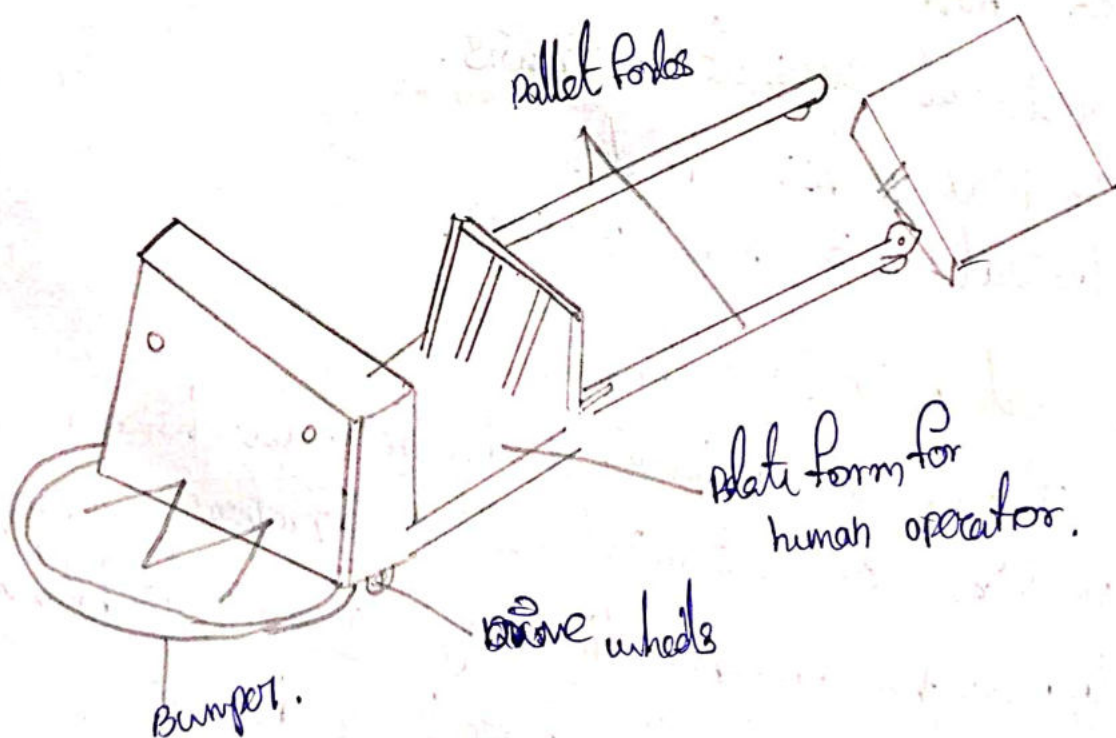
To provide buffer storage of work parts at each work station. if required and to reorient the work parts if necessary the present the surface that is to be processed.



## 2) Guided pallet Trucks:

The guided pallet trucks are designed to handle, and transport palletized load.

It is used for picking up or dropping off load from and on to floor level, thus it eliminates the need for fixed load stands.



\* There is not needed for any accessories for loading and unloading the guided pallet except that the loads should be on a pallet.

Usually the following sequence of operation are being carried out in pallet trucks.

\* Loads are pulled off into a pallet forks.

\* Lowering of the pallet forks to the floor.

\* Pulling out from the pallet.

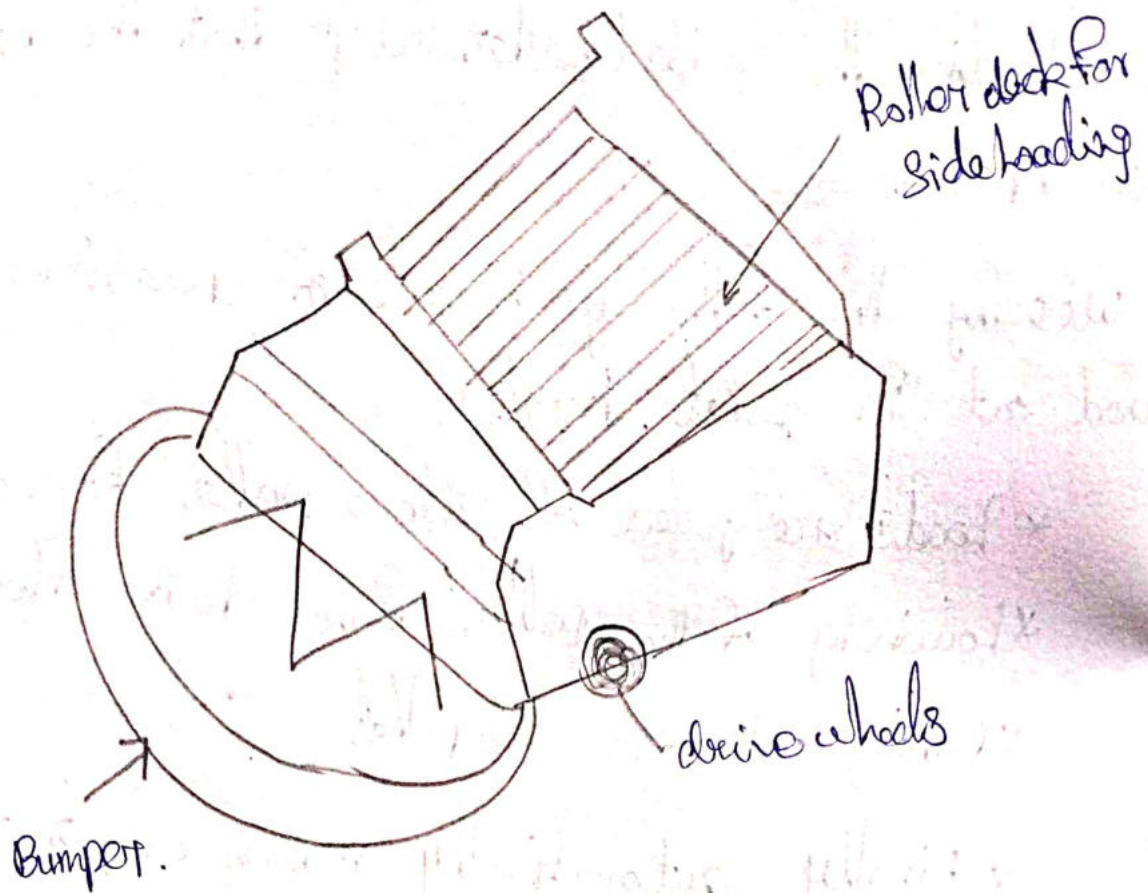
\* Finally automatically returns empty to the loading area.

3. Guided unit load carriers :-

\* Guided unit load carriers have a also that permit unit-load transport operation.

\* They are used in setting with short/medium guide paths, high volume and for in dependent and versatility.

\* They are used warehousing and distributing system.



Application:-

- \* Driveless train operation.
- \* storage and distribution operation
- \* Assembly line application.
- \* flexible manufacturing system.



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## DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year

: 2021-2022

Semester: Even

Subject Name

: 19MET601- Finite Element Analysis

Year / Semester

: III / VI

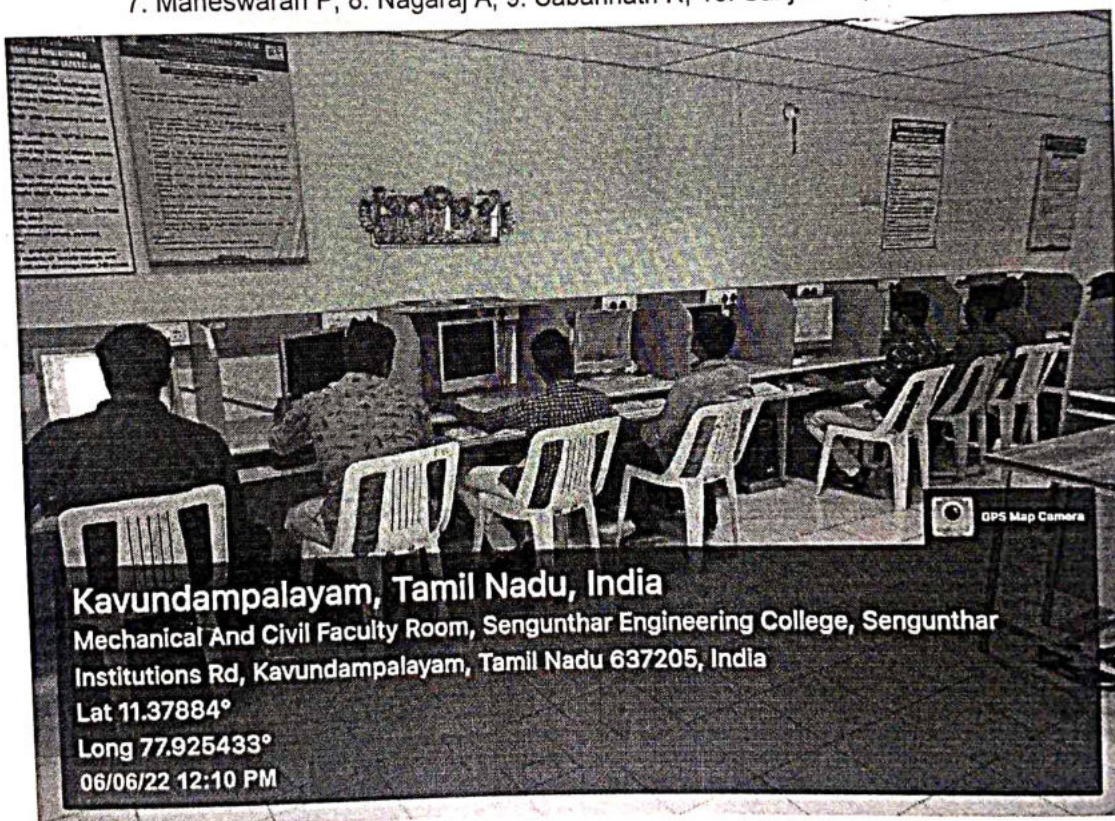
Activity

: Virtual Experiments

Experiment Name

1. Force and Stress Analysis of Trusses
2. Stress Analysis of Beam
3. Free Vibration of a Spring Mass System
4. Harmonically Excited Forced Vibration of a Single DOF System
5. Free Vibration of Cantilever Beam with Lumped Mass at Free End.

Name of the Students: 1. Bramoth S V, 2. Dinesh S, 3. Gowtham M, 4. Hariprasad M, 5. Kavin E, 6. Kavinraj B, 7. Maheswaran P, 8. Nagaraj A, 9. Sabarinath R, 10. Sanjeev S, 11. Vijay M, 12. Harishri S.



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## DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year : 2021-2022

Semester: Even

Subject Name : 19MET601- Finite Element Analysis

Year / Semester : III / VI

Activity : Virtual Experiments

### Experiment Name and Link

1. Force and Stress Analysis of Trusses

<https://bsa-iiith.vlabs.ac.in/exp/trusses/>

2. Stress Analysis of Beam

<https://bsa-iiith.vlabs.ac.in/exp/continuous-beams/>

3. Free Vibration of a Spring Mass System

[https://mv-iitg.vlabs.ac.in/SpringMass\\_intro.html](https://mv-iitg.vlabs.ac.in/SpringMass_intro.html)

4. Harmonically Excited Forced Vibration of a Single DOF System

[https://mv-iitg.vlabs.ac.in/ForcedVibration\\_intro.html](https://mv-iitg.vlabs.ac.in/ForcedVibration_intro.html)

5. Free Vibration of Cantilever Beam with Lumped Mass at Free End

[https://mv-iitg.vlabs.ac.in/LumpedMass\\_intro.html](https://mv-iitg.vlabs.ac.in/LumpedMass_intro.html)

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# BASIC STRUCTURAL ANALYSIS

## CIVIL ENGINEERING VIRTUAL LABORATORY

EXPERIMENT: 8

TRUSSES

### TRUSSES:

The basic building block of a truss is a triangle. Large truss are constructed by attaching several triangles together. A new triangle can be added truss by adding two members and a joint. A truss constructed in this fashion is known as a simple truss. A truss is analyzed by using  $m = 2j - 3$ , where  $m$  is number of members,  $j$  represents the number of joints and 3 represents the external support reactions.

Plane truss lie in a single plane.

In straight members forces act along the axis of the member. Compressive forces tend to shorten the member. Tensile forces tend to elongate the member.

Space trusses: not contained in a single plane and/or loaded out of the structure plane.

There are four main assumptions made in the analysis of truss

1. Truss members are connected together at their ends only.
2. Truss are connected together by friction less pins.
3. The truss structures is loaded only at the joints
4. The weights of the members may be neglected.

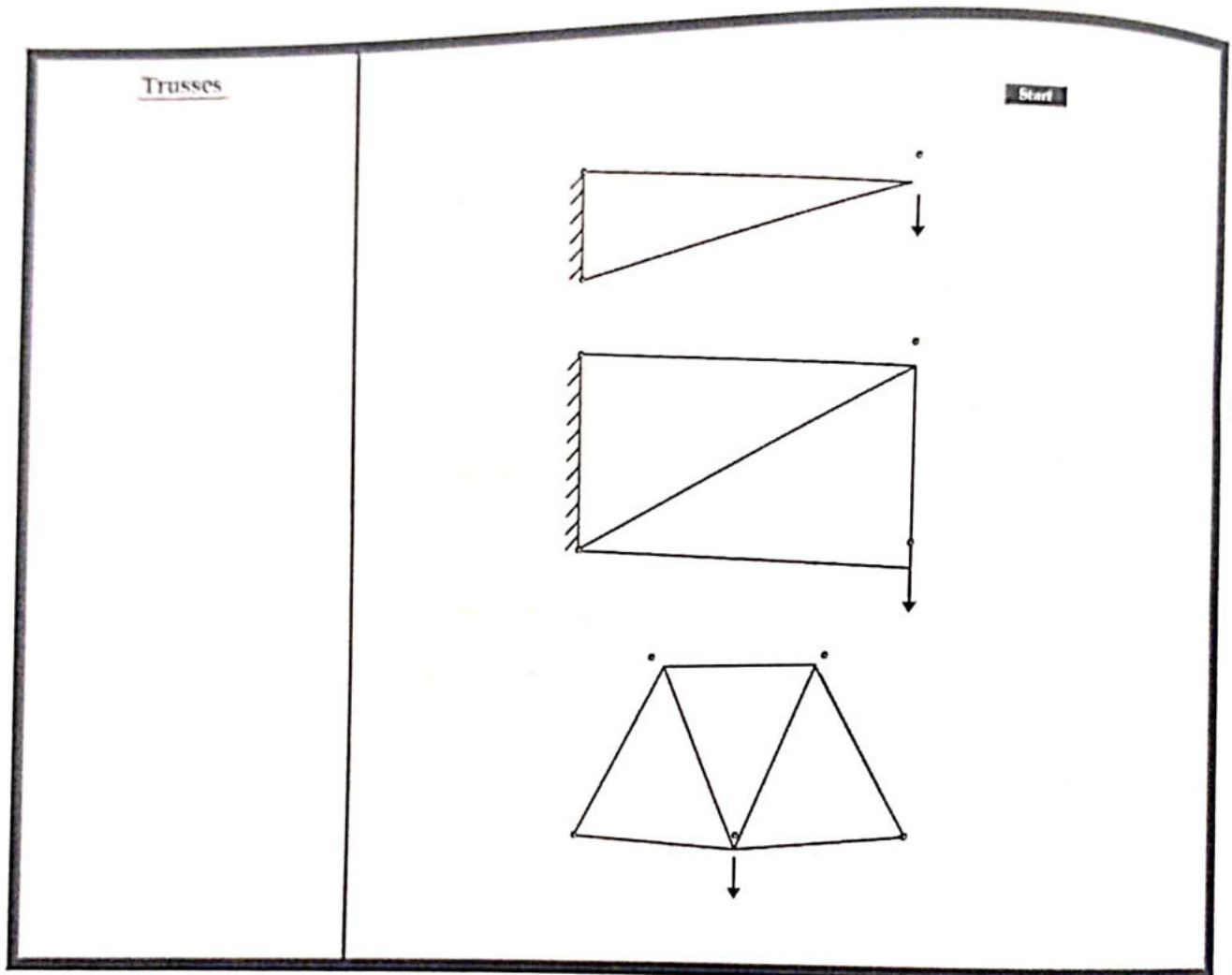
### Techniques for Truss Analysis

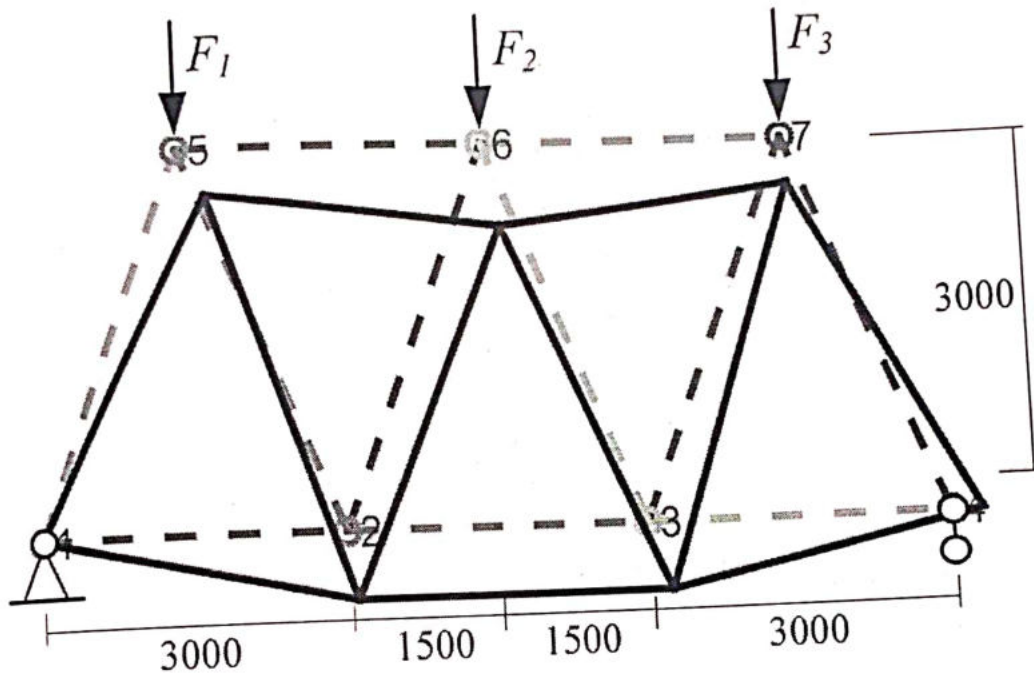
**Method of joints:** usually used to determine forces for all members of truss

**Method of sections:** usually used to determine forces for specific members of truss

**Determining Zero-force members:** members which do not contribute to the stability of a structure

**Determining conditions for analysis:** is the system statically determinate?

PART - 2  
ANIMATION STEPS

PART - 3  
VIRTUAL LAB FRAME

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## DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year : 2021-2022

Semester: Even

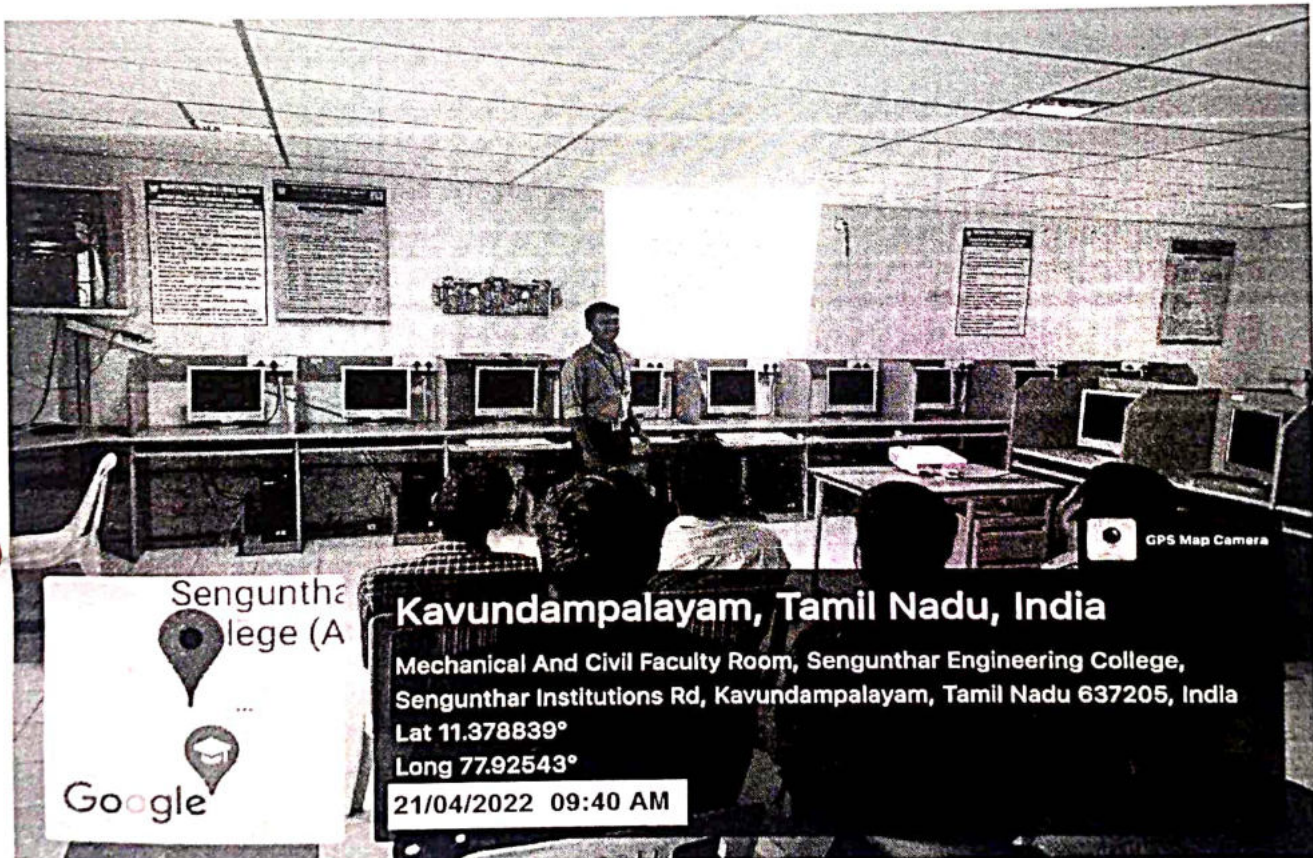
Subject Name : 19MEE601- CAD/CAM

Year / Semester : III / VI

Activity : Active Learning

Topic : Initial Graphics Exchange Specification(IGES)

Name of the Student: Hariprasad.M



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College (A)

Kavundampalayam, Tamil Nadu, India

Mechanical And Civil Faculty Room, Sengunthar Engineering College,  
Sengunthar Institutions Rd, Kavundampalayam, Tamil Nadu 637205, India

Lat 11.378839°

Long 77.92543°

21/04/2022 09:40 AM

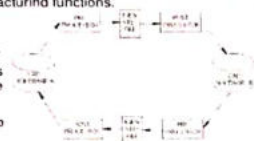
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# IGES INITIAL GRAPHICS EXCHANGE SPECIFICATION

- **INITIAL UNIFORM EXCHANGE OF INFORMATION**  
Shape based file format
- This file format was mainly developed by the efforts of Boeing Company, General Electric company & National Bureau of Standards (NBS).
- IGES is mainly to address the exchange of shape & non-shape based data.
- It is one of the first standards to be developed to address the concept of communication data among dissimilar CAD /CAM systems.
- Applications supported by IGES include traditional engineering drawings, models for analysis, and other manufacturing functions.
- IGES version 1.0 was released in 1980
- It converts the CAD model into neutral file.
- Conversion is done by preprocessors inbuilt in the software, which converts the native database into IGES format.
- Post Processor converts IGES files to native database.



## STRUCTURE OF IGES FILE

FLAG SECTION

- This is an optional section & is used only with compressed ASCII & Binary format
- It is a single line that comes before the start section of the file with the character "C" in column 73 to identify the file as compressed ASCII.

START SECTION

- It contains human readable line – Introduction section of the file.
- Information such as the names of the sending (Source) & receiving (Target) systems with a brief description of the product being converted is written in this section.
- Column 73 – Section code "S"

## GLOBAL SECTION

- This section contains details about the product, organization, software, date etc.
- This section includes information describing the preprocessor & the information needed by the post processor to interpret the file
- The Global section shows the path of the file, File name, Units etc.
- Column 73 – Section code "G"

## STRUCTURE OF IGES FILE

DIRECTORY ENTRY SECTION - Column 73 - Section code "D"

- This section consists of all the entities defined in the file.
- Each entity occupies two 80 character records.
- First field – Entity Type Number, Second field – It contains a pointer to the parameter data entry for the entity in the next section.

- 110 – Straight line - 1P0000001 – By end points (0,5,0) to (0,0,0)
- 100 – Circular arc – Arc defined by Center point, Start point & End point

PARAMETER DATA SECTION - Column 73 - Section code "P"

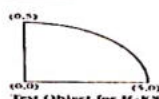
- This section contains the actual data defining each entity.
- Example – Straight line is identified by two end points – 6 Coordinates. (1point=3 Co.)
- Comma – Used to separate parameter

- Semicolon – Used as a record delimiter. Specified in the global section.

## TERMINATE SECTION - Column 73 - Section code "T"

- This is a single record which specifies the number of records in each of the preceding sections for error checking.
- EX - S0000002 - Two lines in start section, G0000004 - 4 lines in global section.

- **Ex - S0000002** – Two lines in start section, **G0000004** – 4 lines in global section.



### SUBSECTIONS OF IGES FILE

[illegible]

**Flag Section  
(Optional)**

Start Section

Global

Global

11

7

Entry  
Section

11

Parameter

	Data Section
1. Name of the person or organization that is the subject of the report	
2. Address of the person or organization that is the subject of the report	
3. City and state of the person or organization that is the subject of the report	
4. Date of the report	
5. Title of the report	
6. Author of the report	
7. Subject of the report	
8. Summary of the report	
9. Details of the report	
10. Conclusion of the report	
11. Recommendations of the report	
12. Other information	

Section

Continue

---

- Two POINT (Type 116)
- Two CIRCULAR ARC (Type 100)
- Two LINE (Type 110).

- 100: circular arc  
108: plane  
110: line  
116: point  
120: tabulated cylinder  
134: node  
158: sphere  
184: solid assembly  
190: plane surface

100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200

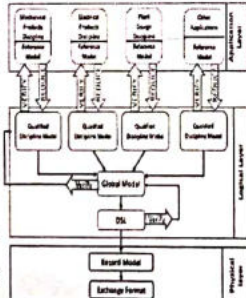
- Product Data Based Format
- To ensure complete exchange of shape, non-shape, design & manufacturing data
- This kind of transfer used to the entire life cycle of a product development such as design, manufacturing, quality assurance, testing & support
- For industrial automation, the required product data must contain all the four basic information of CAD file.
- PDES – Product Data Exchange using STEP
- STEP – the central unit of data exchange is the application, which in turn contains many entities.
- The Structure of STEP file has three basic layers.

- This is the interface between the user & PDES.
- It contains the complete description & information of the various application areas.
- Various discipline models form the core of the application layer.
- The descriptions & information's are expressed within the PDES as reference models

- First, discipline layer is developed in the application layer.
- It contains a qualified discipline model, which is written for applications defined in the previous layer.
- Then it is used to develop the logical layer.
- This layer presents **consistent & computer independent** information of the resource models whose data to be exchanged.

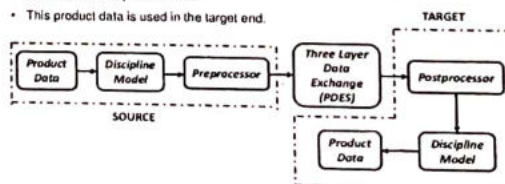
**Generic & Specific** application data are identified, it is important to ensure that no redundancy or repetitive data is reproduced.

- A **global model** is created to represent all discipline specific & generic entities.
- The global model is used to validate the correctness of the correspondence between application layer & Logical layer.
- Once the global model is developed, the **Data Specification Language(DSL)** is used to generate an information model.
- DSL**, Expressing the binary information on



- This layer deals with the structure & format of the data within the file.
- Main objective is to maintain efficiency in the file size to avoid the processing time.
- The user on Source end defines the product data in the form of a discipline model.
- The preprocessor use this discipline to produce a 3 layer data exchange PDES file.
- The post processor process this 3 layer PDES file, & it interprets the discipline model & converts it into product data.
- This product data is used in the target end.

**TARGET**



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## DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year : 2021-2022

Semester: Even

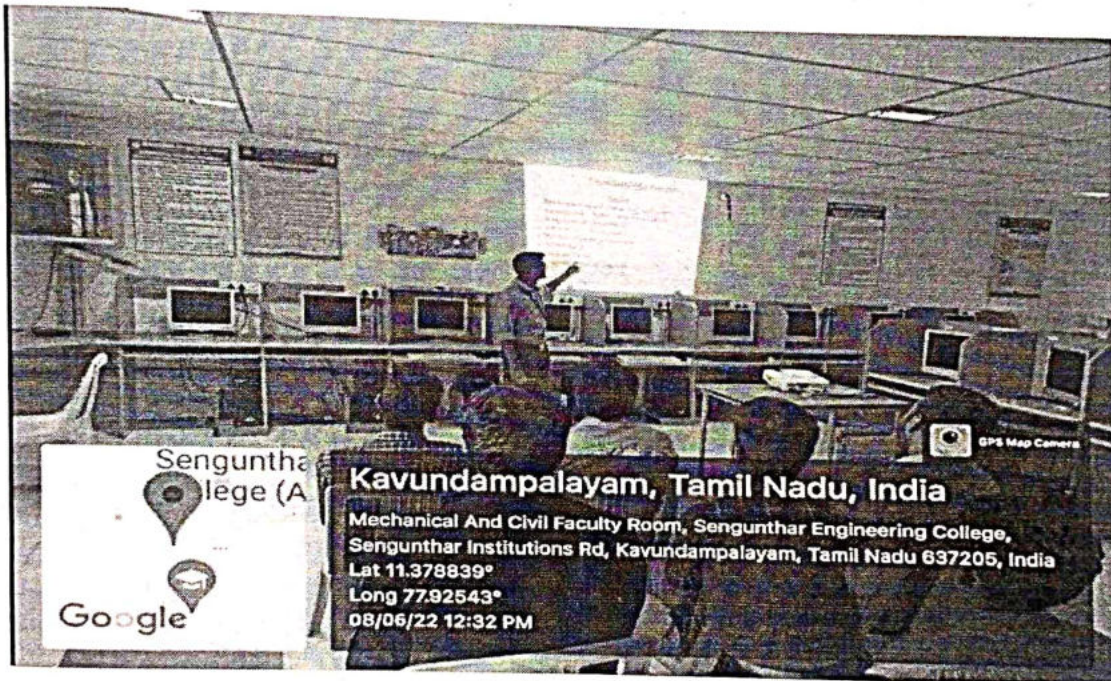
Subject Name : 19MEPX10/ Professional Ethics In Engineering

Year / Semester : III / VI

Activity : Active Learning

Topic : Engineers as managers

Name of the Student: Gowtham.M



S. Jeyaraj  
8.6.22  
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N. Thiruvudhayan  
8.6.22  
HOD

## 19MEPX10 - Professional Ethics in Engineering.

### Responsibility

Engineers as manager:

- \* promote an ethical climate, through framing organization policies, by personal, attitudes and obligations.

- \* Resolving conflicts by evolving priority, developing mutual understanding, generating various alternative solutions to problems.

- \* social responsibility to stake holders, customers and employers.

- \* They act to develop wealth as well as the welfare of the society.

- \* To protect safety, health and welfare of the public.

consulting engineers:-

- \* The consulting engineers works on a private.

\* There is no safety from the employers' power in private.

\* Still they have no absolute freedom because of their need to earn for their living.

\* For eg., 'undesign - only projects, the company engineers may design some things.

Engineers as expert witness:

\* Frequently engineers are required to consultancies and provide expert opinion and use many legal cases of the past events.

\* The focus is on the past. The Engineers who act as expert witness are likely to abuse their in the following manner:

\* Hired guns.

\* Money Bias.

\* EGO Bias

\* Sympathy Bias.

Engineers as advisers:

\* The engineers are required to give their view on the future such as in planning, policy making, which involves the technology.

\* Variety is such and requirement for engineers when act as adviser are,

\* objectivity.

\* Study All Aspects.

\* values

\* technical complexity

\* rational security.



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## DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year : 2021-2022

Semester: Even

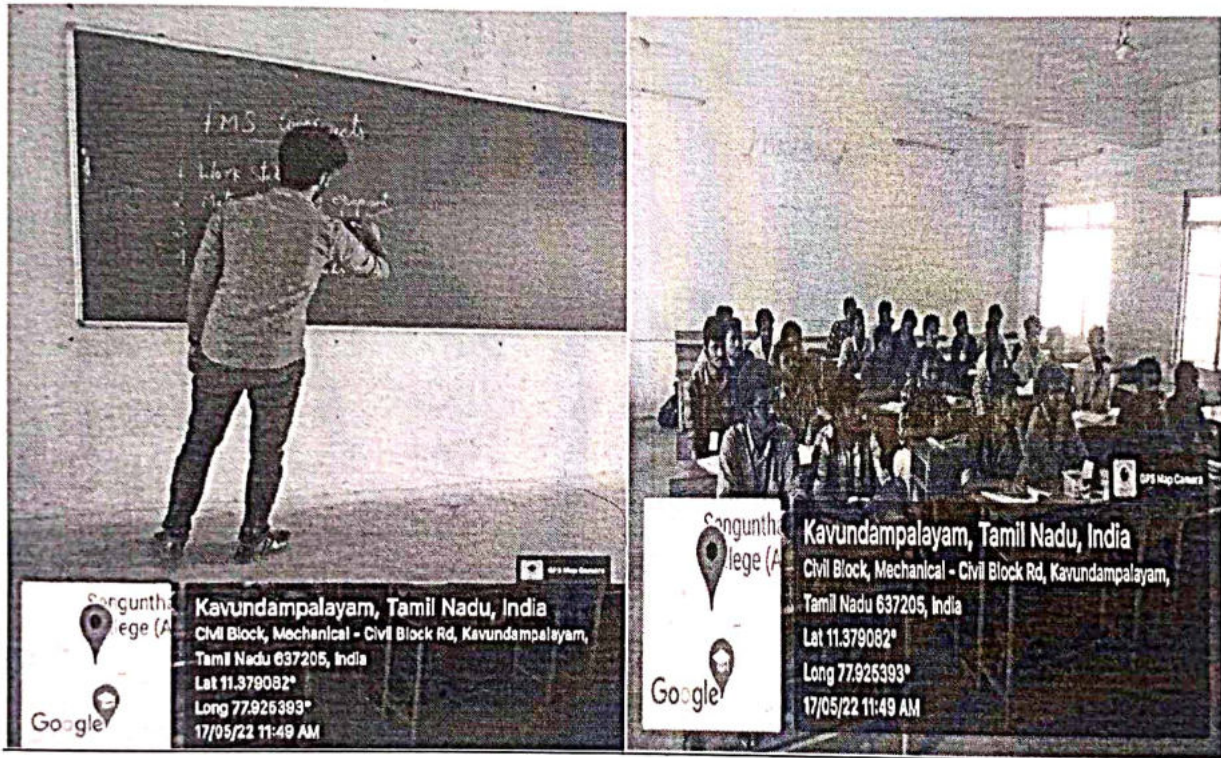
Subject Name : MG8591/ Principles of Management

Year / Semester : IV / VIII

Activity : Active Learning

Topic : Communication and barriers to effective communication

Name of the Student: Karthikeyan. C



S. J. D. 17.5.22  
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HOD

Define Communication. What are the barriers to effective communication..

According to Koontz and O'Donnel, "Communication" is an intercourse by words, letters, symbols or messages, and is a way that the organization members share meaning and understanding with another.

Barriers to effective Communication:

Barriers to effective Communication are factors that block or significantly distort successful Communication. Effective managerial Communication skills help overcome some, but not all, barriers to Communication in organizations.

The more prominent prominent barriers given:

1. Language barrier

2. \* Absence of Communication

\* Poor vocabulary

\* Inaccurate translation

2. Organizational Barrier:

\* Hierarchical barrier

\* Wrong choice of medium

\* Rules and regulation

\* Complex Organization

\* Facilities

### 3. Physical barriers:

\* Noise

\* Time

\* Distance

\* Gender

### 4. Psychological Barriers:

\* Attitudes and values

\* Perception

\* Lack of interest

\* Fear

\* Filtering of the message

\* Language

\* Physical distance

\* Status differences

\* Emotional barriers

### Channels of Communication:

#### a) Formal Communication:

Formal Communication follows the route formally laid down in the organization structure.

There are 3 communication flows:

#### i) Downward Communication:

Downward Communication involves a message travelling to one or more receivers at the lower level in the hierarchy.

The message frequently involves directions or performance feedback. The downward flow of communication generally corresponds to the formal organizational communication system, which is usually synonymous with the chain of command or line of authority.

### ii) Upward Communication:

In upward communication, the message is directed toward a higher level in the hierarchy. It is often takes the form of progress reports or information about success and failures. Sometimes employees also send suggestions. The participation by employees in formal organizations decisions.

### iii) Horizontal Communication:

When takes place among members of the same work group ~~among~~ members of work group at the same level, among managers at the same level or among any horizontally equivalent personnel, we describe it as lateral communication.

### b) Informal Communication or Grapevine:

Informal Communication, generally associated with interpersonal communication, was primarily seen as a potential hindrance to effective organizational performance. This is no longer the case.

Probably the most common term used for the communication in the work place is grapevine. This communication that sent through the organization is often considered gossip or rumour.

The use of organizational grapevine as an informal communication channel often results when employees feel threatened, vulnerable, or when the organization is experiencing



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## **DEPARTMENT OF SCIENCE AND HUMANITIES**

Academic Year	: 2021-2022 (Even)
Subject Code	: 19HST201
Subject Name	: Communicative Techno English - II
Year / Semester	: I / II
Regulations	: 2019
Faculty Name & Designation	: G.Yogeshwari, AP / English

### **Innovations in Teaching / Learning / Evaluation Processes**

- 1) Flipped Classroom Model
- 2) Creation of Flexible Learning Environments



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## DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR

: 2021-2022

SEMESTER : EVEN

SUBJECT NAME

: 19HST201 - Communicative Techno English - II

FACULTY INCHARGE

: G.Yogeshwari, AP/ English

YEAR / SEMESTER

: I / II

ACTIVITY

: Flipped Classroom Model

NAME OF THE STUDENT: GOBU.V/ECE (61232114009)

TOPIC

: Internet of Things



GPS Map Camera

MBA block, Main Block Cir Rd, Kavundampalayam,  
Tamil Nadu 637205, India

Latitude  
11.3773157°

Longitude  
77.925469°

Local 01:27:23 PM  
GMT 07:57:23 AM

Altitude 52.1 meters  
Friday, 03-06-2022

*G. Yogeshwari*  
23/6/22  
Faculty In-Charge

*[Signature]*  
HoD 23/6/22



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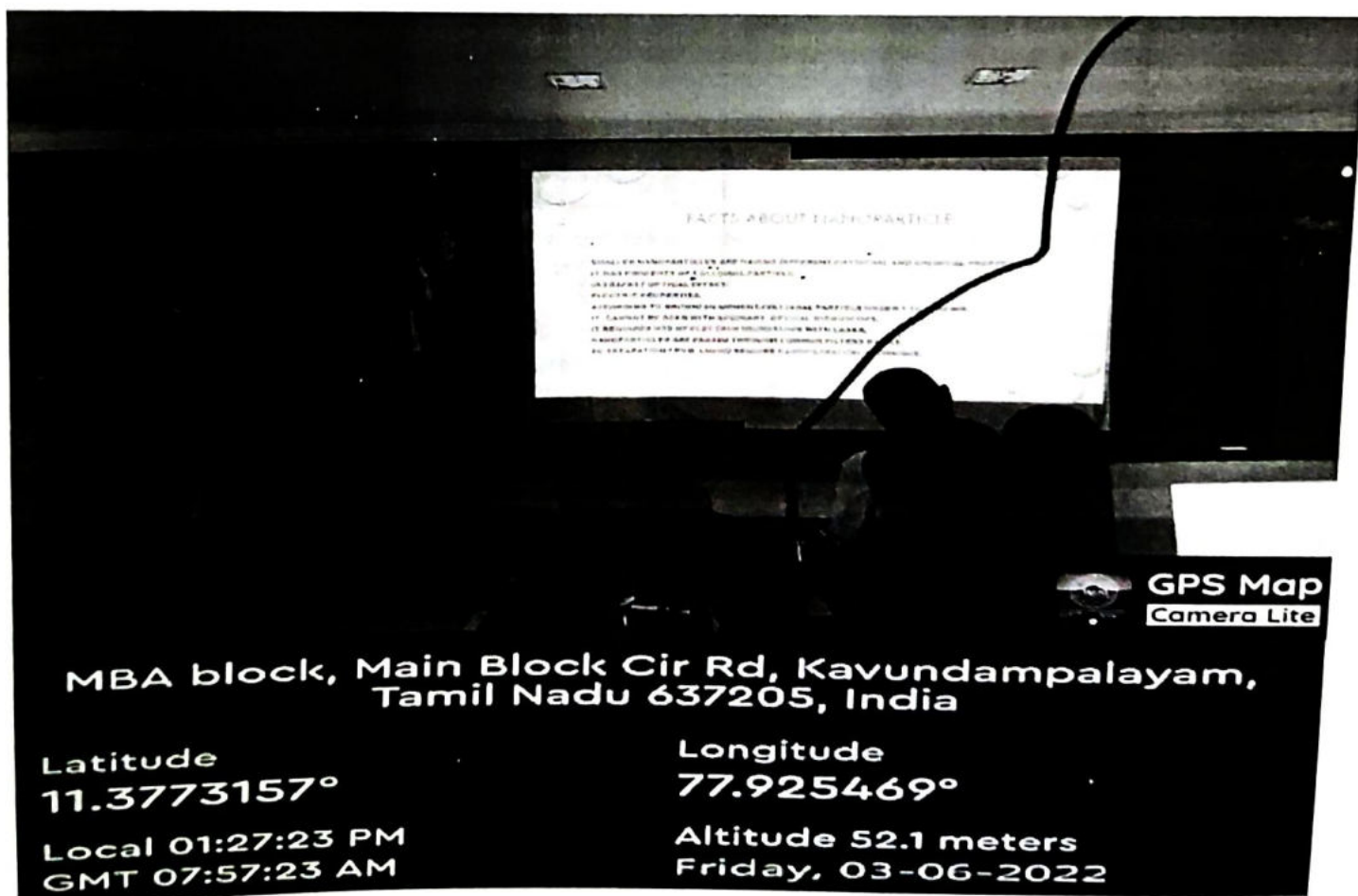
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## DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR : 2021-2022 SEMESTER : EVEN  
SUBJECT NAME : 19HST201 - Communicative Techno English - II  
FACULTY INCHARGE : G.Yogeshwari, AP/ English  
YEAR / SEMESTER : I / II  
ACTIVITY : Flipped Classroom Model  
NAME OF THE STUDENT : B.DINESH/EEE(61232113005)  
TOPIC : Screenplay Display



MBA block, Main Block Cir Rd, Kavundampalayam,  
Tamil Nadu 637205, India

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*G. Yogeshwari*  
03/06/2022  
Faculty In-Charge

*[Signature]*  
HOD 3/6/22



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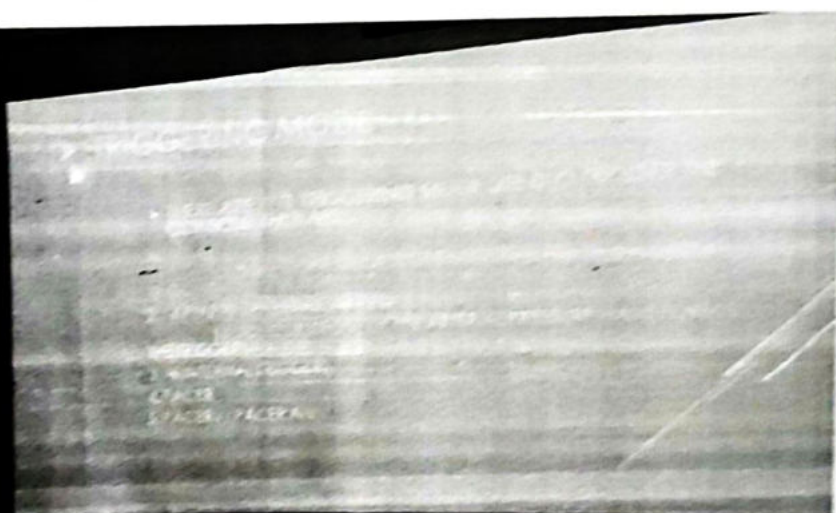
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SUBJECT NAME : 19HST201 - Communicative Techno English - II  
FACULTY INCHARGE : G.Yogeshwari, AP/ English  
YEAR / SEMESTER : I / II  
ACTIVITY : Flipped Classroom Model  
NAME OF THE STUDENT : SABARINATHAN S/MECH (61232115007)  
TOPIC : Innovations in Life



GPS Map Camera

MBA block, Main Block Cir Rd, Kavundampalayam,  
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*G. Yogeshwari*  
Faculty In-Charge

*S. Sabarinathan*  
HoD



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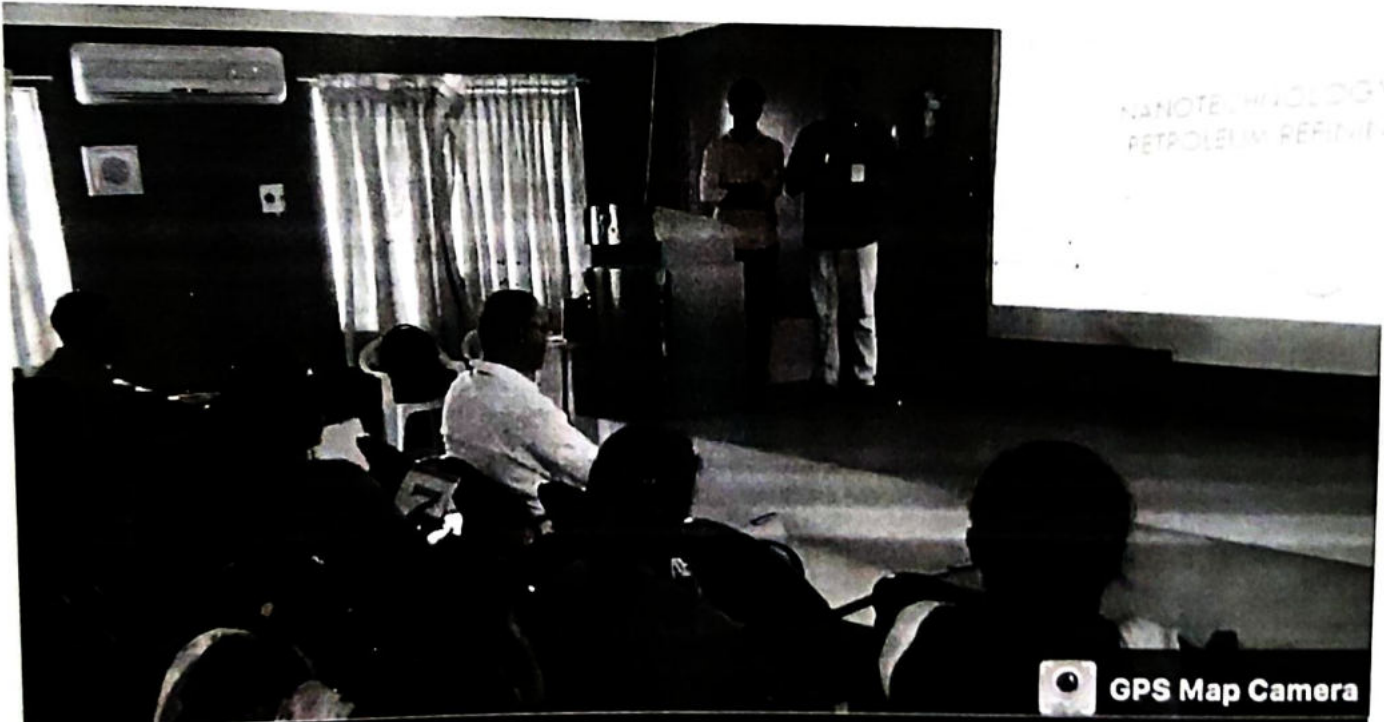
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SUBJECT NAME : 19HST201 - Communicative Techno English - II  
FACULTY INCHARGE : G.Yogeshwari, AP/ English  
YEAR / SEMESTER : I / II  
ACTIVITY : Flipped Classroom Model  
NAME OF THE STUDENT : SURIYANATH P/CIVIL(61232111006)  
TOPIC : Swami Vivekanandan



MBA block, Main Block Cir Rd, Kavundampalayam,  
Tamil Nadu 637205, India

Latitude  
11.3773157°

Longitude  
77.925469°

Local 01:27:23 PM  
GMT 07:57:23 AM

Altitude 52.1 meters  
Friday, 03-06-2022

*G. Yogeshwari*  
03/06/2022  
Faculty In-Charge

*[Signature]*  
HoD 312



# SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

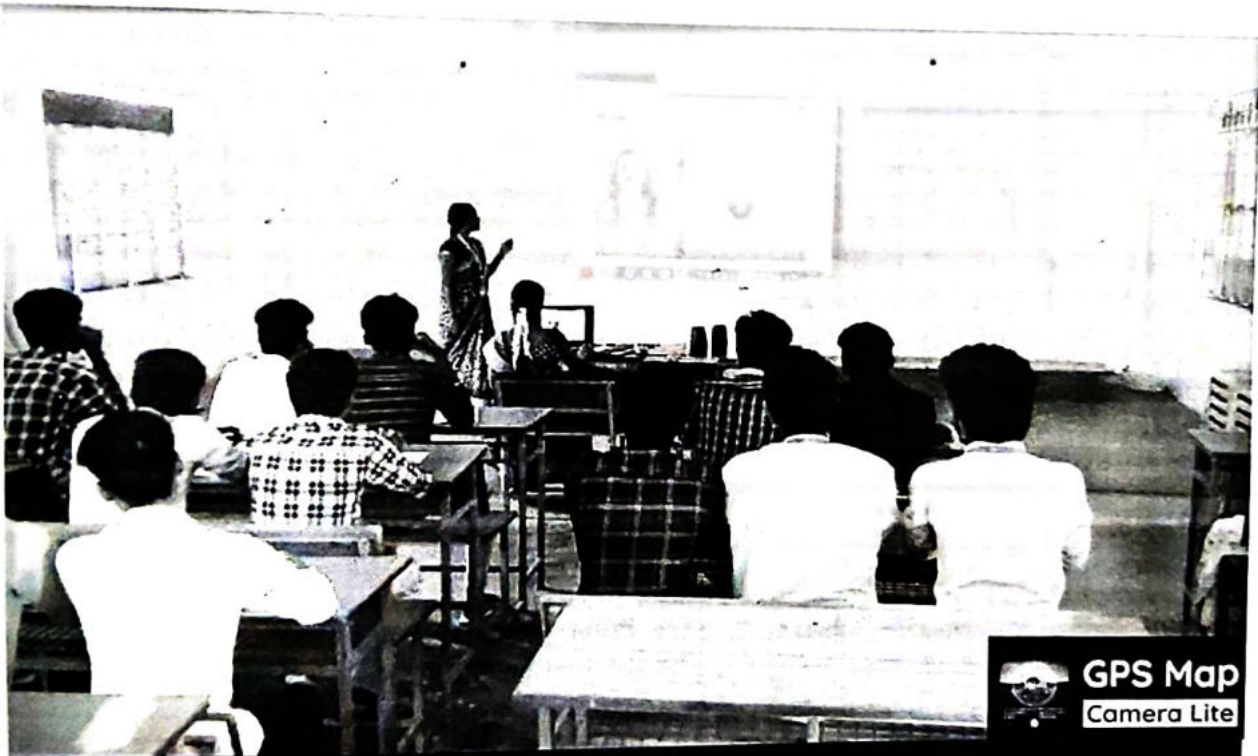
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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR : 2021-2022 SEMESTER : EVEN  
SUBJECT NAME : 19HST201 - Communicative Techno English - II  
FACULTY INCHARGE : G.Yogeshwari, AP/ English  
YEAR / SEMESTER : I / II  
ACTIVITY : Creation of Flexible Learning Environments



GPS Map  
Camera Lite

9WGG+V9X, Kavundampalayam, Tamil Nadu 637205,  
India

Latitude  
11.3773918°

Local 11:49:00 AM  
GMT 06:19:00 AM

Longitude  
77.9259242°

Altitude 144.5 meters  
Friday, 05-06-2022

*G. Yogeshwari*  
05/06/2022  
Faculty In-Charge

*[Signature]*  
HoD 3/6/22



## **SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)**

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# **Innovations in Teaching / Learning / Evaluation Processes**



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**TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU**



## DEPARTMENT OF PHYSICS

**Academic Year** : 2021-2022 (Even)

**Subject Code** : 19PHT202

**Subject Name** : Solid State Physics and Nanoelectronic Devices

**Year / Semester** : I / II

**Regulations** : 2019

**Faculty Name & Designation** : Dr.K.L.Palanisamy, Professor / Physics

### **Innovations in Teaching / Learning / Evaluation Processes**

- 1) 3D Model Video graphical Study
- 2) Seminar by Students



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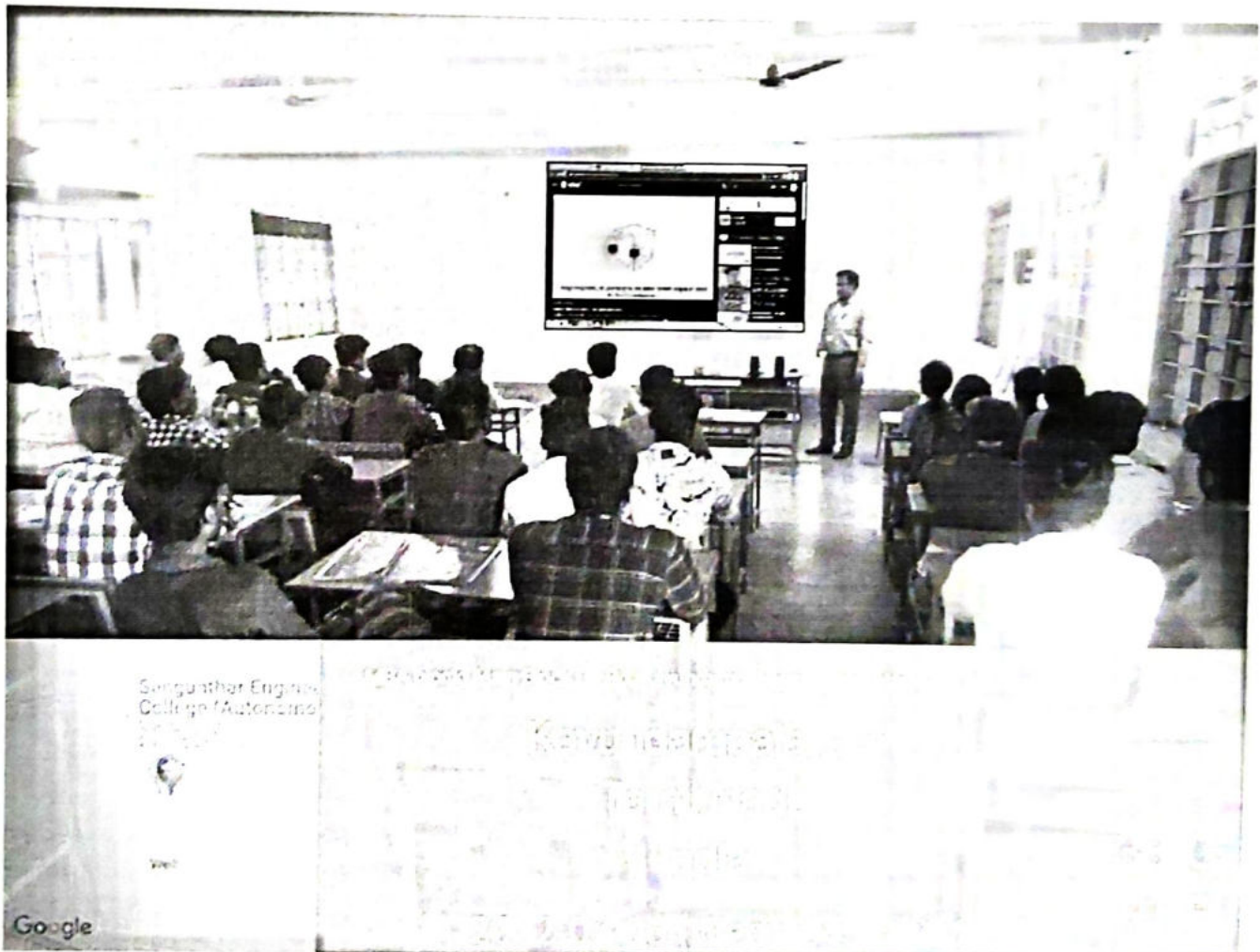
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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR : 2021-2022 SEMESTER : EVEN  
SUBJECT NAME : 19PHT202 – Solid State Physics and Nanoelectronic Devices  
FACULTY INCHARGE : Dr.K.L.Palanisamy, Professor/Physics  
YEAR / SEMESTER : I / II  
ACTIVITY : 3D Model Video graphical Study  
TITLE : QUBIT



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6/2/22

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6/2/22



# SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

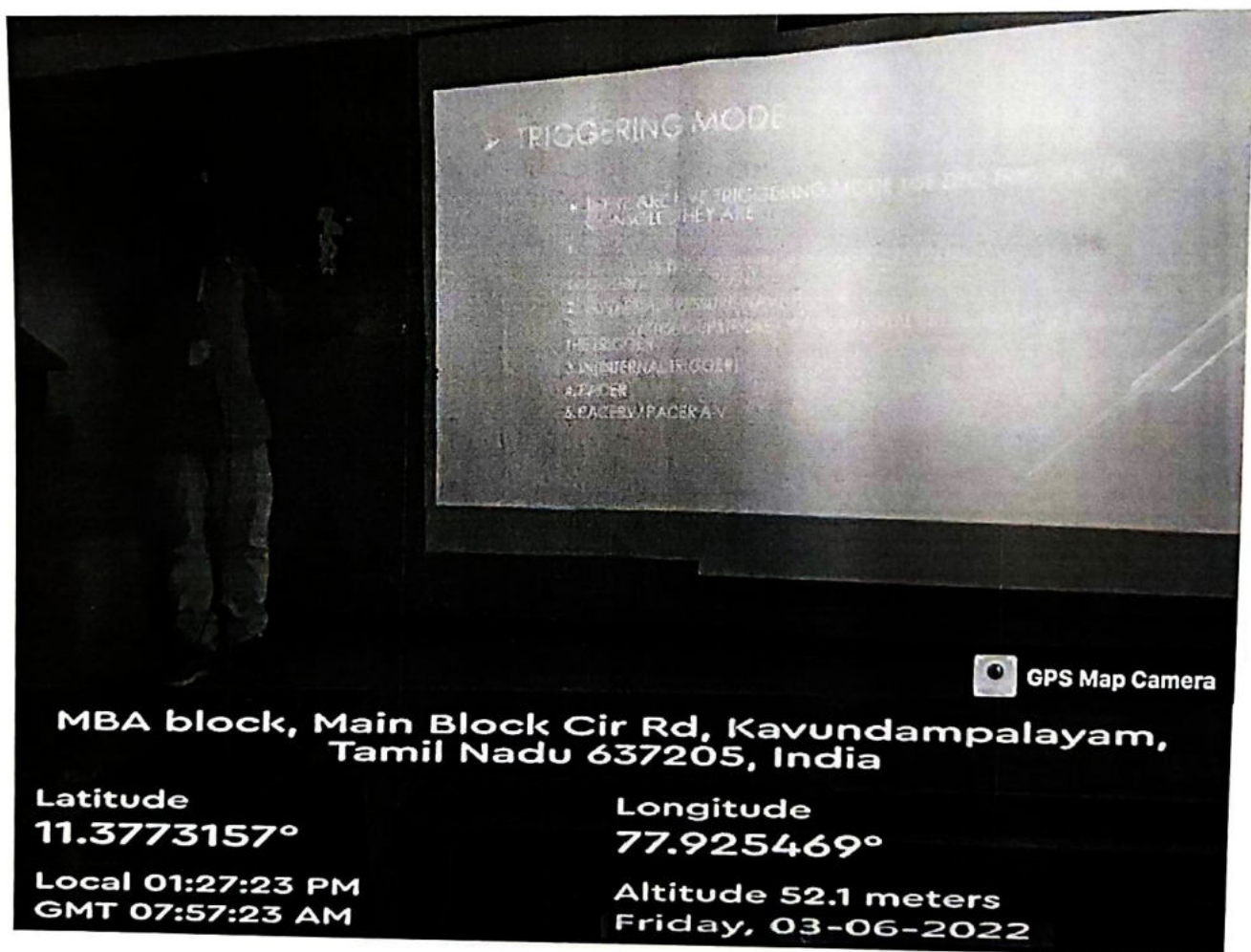
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## DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR : 2021-2022 SEMESTER : EVEN  
SUBJECT NAME : 19PHT202 – Solid State Physics and Nanoelectronic Devices  
FACULTY INCHARGE : Dr.K.L.Palanisamy, Professor/Physics  
ACTIVITY : Seminar by Students  
TITLE : Future semiconductor revolution



*Signature*  
3/6/22

*Signature*  
3/6



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**TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU**



## **Innovations in Teaching / Learning / Evaluation Processes**

*Signs*  
13/5/22

*Signs*  
13/5/22



# **SENGUNTHAR ENGINEERING COLLEGE** **(AUTONOMOUS)**

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**TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU**



## **DEPARTMENT OF SCIENCE AND HUMANITIES**

**Academic Year** : 2021-2022 (Even)

**Subject Code** : 19PHT202

**Subject Name** : Solid State Physics and Nanoelectronic Devices

**Year / Semester** : I / II

**Regulations** : 2019

**Faculty Name & Designation** : Dr.K.Vignesh, AP / Physics

### **Innovations in Teaching / Learning / Evaluation Processes**

- 1) 3D Model Video graphical Study
- 2) Seminar by Students



# SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

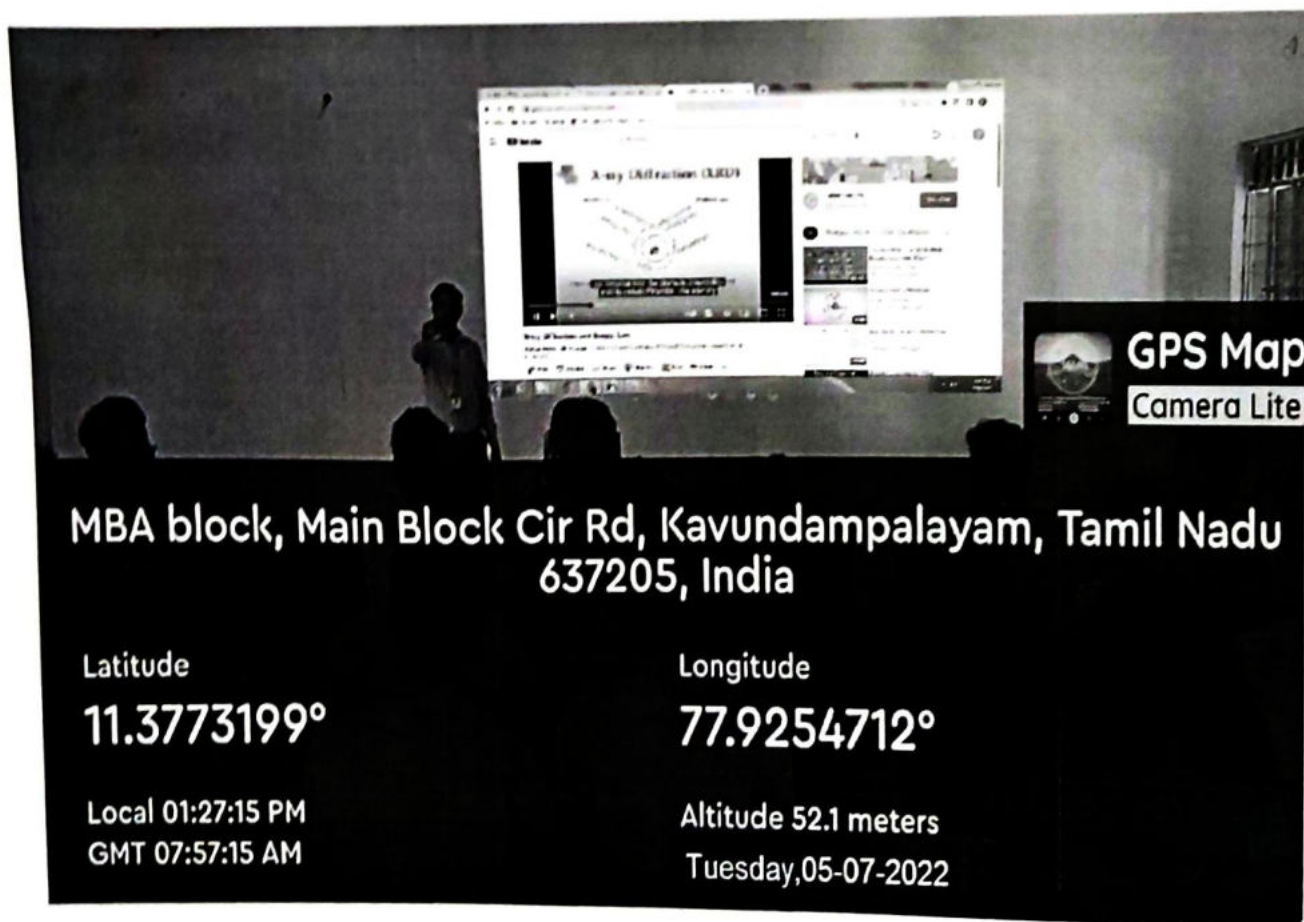
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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR : 2021-2022 SEMESTER : EVEN  
SUBJECT NAME : 19PHT201 – Physics of Materials  
FACULTY INCHARGE : Dr.K.Vignesh, AP/Physics  
YEAR / SEMESTER : I / II  
ACTIVITY : 3D Model Video graphical Study  
TITLE : X-ray Diffraction



*Handwritten signature and date 5/2/22*



# SENGUNTHAR ENGINEERING COLLEGE

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## DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR : 2021-2022 SEMESTER : EVEN

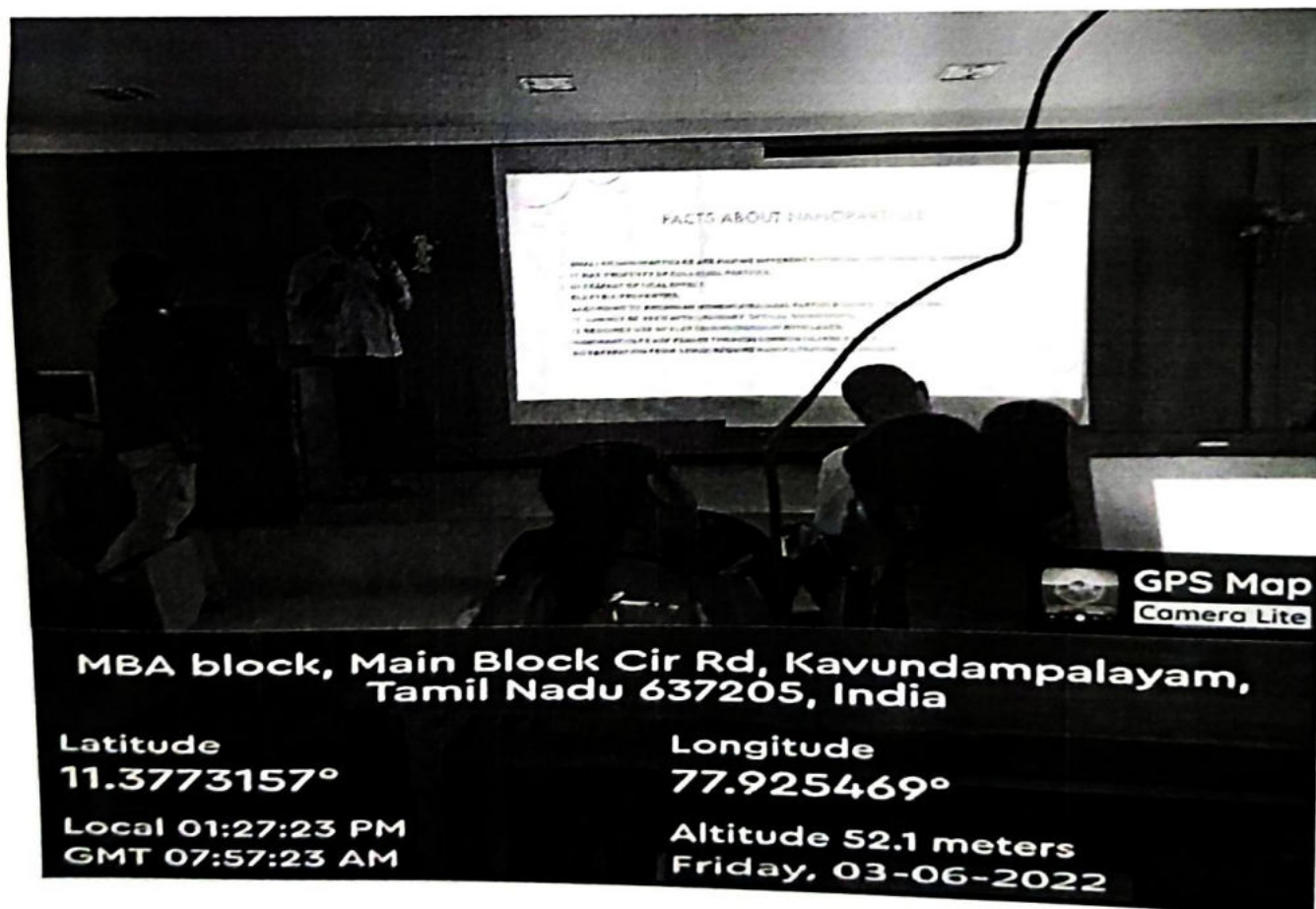
SUBJECT NAME : 19PHT202 – Solid State Physics and Nanoelectronic Devices

FACULTY INCHARGE : Dr.K.Vignesh, AP/ Physics

YEAR / SEMESTER : I / II

ACTIVITY : Seminar by Students

TITLE : Future semiconductor revolution



*Signature*  
3/6/22



## **SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)**

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### **DEPARTMENT OF SCIENCE AND HUMANITIES**

**ACADEMIC YEAR : 2021-2022**

**SUBJECT NAME : 19MAT201 / ENGINEERING MATHEMATICS II**

**FACULTY INCHARGE : V.NANDHENE/AP/MATHEMATICS**

**YEAR / SEMESTER : I / II**

**COURSE & BRANCH : B.E. (CSE-A, ECE, EEE)**

**SEMESTER : EVEN**

### **INNOVATIONS IN TEACHING/LEARNING/EVALUATION PROCESSES**

### **INDUCTIVE DEDUCTIVE METHOD**

### **ONLINE MCQ**

*V. Pandey*  
T.6.22

*Blazer*  
9.6.22

## INDUCTIVE - METHOD:

### Inverse Laplace Transforms

Convolution Theorem in Laplace transform

If  $f(t)$  and  $g(t)$  are functions defined for  $t \geq 0$  then  
$$L[f(t) * g(t)] = L[f(t)] * L[g(t)]$$

Convolution Theorem in Inverse Laplace transform

$$L^{-1}[F(s)G(s)] = L^{-1}[F(s)] * L^{-1}[G(s)]$$

#### Example (1):

Find the inverse Laplace Transform of  $\frac{s}{(s^2 + a^2)^2}$

Solution:

Here we use convolution theorem

$$L^{-1}[F(s)G(s)] = L^{-1}[F(s)] * L^{-1}[G(s)]$$

$$= L^{-1}\left[\frac{s}{(s^2 + a^2)}\right] * L^{-1}\left[\frac{1}{s^2 + a^2}\right]$$

$$= \cos at * \frac{1}{a} \sin at$$

$$= \frac{1}{a} [\cos at * \sin at]$$

$$\begin{aligned}
&= \frac{1}{a} \int_0^t \cos au \cdot \sin a(t-u) du \\
&= \frac{1}{a} \int_0^t \sin(at-au) \cos a u du \\
&= \frac{1}{a} \int_0^t \frac{\sin(at-au+au) + \sin(at-au-au)}{2} du \\
&= \frac{1}{2a} \int_0^t [\sin at + \sin a(t-2u)] du \\
&= \frac{1}{2a} \left[ (\sin at)u + \left( \frac{-\cos a(t-2u)}{-2a} \right) \right]_0^t \\
&= \frac{1}{2a} \left[ u(\sin at) + \frac{\cos a(t-2u)}{2a} \right]_0^t \\
&= \frac{1}{2a} \left[ t \sin at + \left( \frac{\cos at}{2a} \right) - \left( 0 + \frac{\cos at}{2a} \right) \right] \\
&= \frac{1}{2a} \left[ t \sin at + \frac{\cos at}{2a} - \frac{\cos at}{2a} \right] \\
&= \frac{1}{2a} t \sin at
\end{aligned}$$

**Example (2):**

Use convolution theorem, to find  $L^{-1}\left[\frac{s+2}{(s^2+4s+13)^2}\right]$

Solution:

$$L^{-1}\left[\frac{s+2}{(s^2+4s+13)^2}\right] = L^{-1}\left[\frac{s+2}{s^2+4s+13} \cdot \frac{1}{s^2+4s+13}\right]$$

$$L^{-1}\left[\frac{s+2}{s^2+4s+13}\right] * L^{-1}\left[\frac{1}{s^2+4s+13}\right]$$

$$L^{-1}\left[\frac{s+2}{(s+2)^2+13-4}\right] * L^{-1}\left[\frac{1}{(s+2)^2+13-4}\right]$$

$$L^{-1}\left[\frac{s+2}{(s+2)^2+9}\right] * L^{-1}\left[\frac{1}{(s+2)^2+9}\right]$$

$$= e^{-2t} L^{-1}\left[\frac{s}{s^2+3^2}\right] * e^{-2t} L^{-1}\left[\frac{1}{s^2+3^2}\right]$$

$$= e^{-2t} \cos 3t * \frac{1}{3} e^{-2t} \sin 3t.$$

$$= \frac{1}{3} [e^{-2t} \cos 3t * e^{-2t} \sin 3t]$$

$$= \frac{1}{3} \int_0^t e^{-2u} \cos 3u * e^{-2(t-u)} \sin 3(t-u) du.$$

$$= \frac{e^{-2t}}{3} \int_0^t \cos 3u \sin 3(t-u) du.$$

$$= \frac{e^{-2t}}{3} \int_0^t \cos 3u \sin(3t - 3u) du.$$

$$= \frac{e^{-2t}}{3} \int_0^t \frac{1}{2} [\sin 3t - \sin(-3t + 6u)] du.$$

$$= \frac{e^{-2t}}{6} \int_0^t [\sin 3t - \sin(6u - 3t)] du.$$

$$= \frac{e^{-2t}}{6} \sin 3t [u]_0^t - \frac{e^{-2t}}{6} \left[ \frac{-\cos(6u - 3t)}{6} \right]_0^t$$

$$= \frac{e^{-2t}}{6} t \sin 3t + \frac{e^{-2t}}{36} [\cos(6u - 3t)]_0^t$$

$$= \frac{e^{-2t}}{6} t \sin 3t + \frac{e^{-2t}}{36} [\cos 3t - \cos 3t]$$

$$= \frac{e^{-2t}}{6} t \sin 3t.$$

## DEDUCTIVE – METHOD

### Cauchys Residue Theorem

#### Cauchys Residue Formula with order

Order	Formula of Residue
<b>n</b>	$[\text{Res } f(z), z=a] = \frac{1}{(n-1)!} \lim_{z \rightarrow a} \frac{d^{n-1}}{dz^{n-1}} [(z-a)^n f(z)]$
<b>1</b>	$[\text{Res } f(z), z=a] = \lim_{z \rightarrow a} [(z-a)f(z)]$
<b>2</b>	$[\text{Res } f(z), z=a] = \lim_{z \rightarrow a} \frac{d}{dz} [(z-a)^2 f(z)]$
<b>3</b>	$[\text{Res } f(z), z=a] = \frac{1}{2!} \lim_{z \rightarrow a} \frac{d^2}{dz^2} [(z-a)^3 f(z)]$
<b>4</b>	$[\text{Res } f(z), z=a] = \frac{1}{3!} \lim_{z \rightarrow a} \frac{d^3}{dz^3} [(z-a)^4 f(z)]$

#### Example:1

Calculate the residue of  $f(z) = \frac{1 - e^{2z}}{z^3}$

Solution:

$$f(z) = \frac{1 - e^{2z}}{z^3}$$

Here  $z = 0$  is a pole of order 3.

$$\text{Res } (z = 0) = \frac{1}{2!} \lim_{z \rightarrow 0} \frac{d^2}{dz^2} \left[ (z-0)^3 \frac{1 - e^{2z}}{z^3} \right]$$

$$= \frac{1}{2} \lim_{z \rightarrow 0} \frac{d^2}{dz^2} [1 - e^{2z}]$$

$$= \frac{1}{2} \lim_{z \rightarrow 0} \frac{d}{dz} [-2e^{2z}]$$

$$= \frac{1}{2} \lim_{z \rightarrow 0} [-4e^{2z}]$$

$$= -2.$$

**Example:2**

Evaluate  $\int_c \frac{\sin \pi z^2 + \cos \pi z^2}{(z-1)(z-2)} dz$  where  $c$  is  $|z|=3$

Solution:

$$\int_c \frac{\sin \pi z^2 + \cos \pi z^2}{(z-1)(z-2)} dz$$

Here  $f(z) = \sin \pi z^2 + \cos \pi z^2$

Now  $\frac{1}{(z-1)(z-2)} = \frac{A}{z-1} + \frac{B}{z-2}$

$$1 = A(z-2) + B(z-1)$$

Put  $z = 2$

$$1 = B,$$

Put  $z = 1$

$$1 = -A \Rightarrow A = -1$$

$$\therefore \frac{1}{(z-1)(z-2)} = \frac{-1}{z-1} + \frac{1}{z-2}$$

$Z_0 = 1$  lies inside  $|z|=3$

$Z_0 = 2$  lies inside  $|z|=3$

$$\begin{aligned} \int_c \frac{\sin \pi z^2 + \cos \pi z^2}{(z-1)(z-2)} dz &= \int_c \frac{-(\sin \pi z^2 + \cos \pi z^2)}{z-1} dz + \int_c \frac{\sin \pi z^2 + \cos \pi z^2}{z-2} dz \\ &= -2\pi i f(1) + 2\pi i f(2) \text{-----} (2) \end{aligned}$$

$$f(z) = \sin \pi z^2 + \cos \pi z^2$$

$$f(1) = \sin \pi + \cos \pi = -1$$

$$f(2) = \sin 4\pi + \cos 4\pi = 1$$



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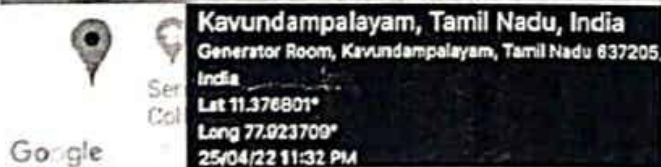
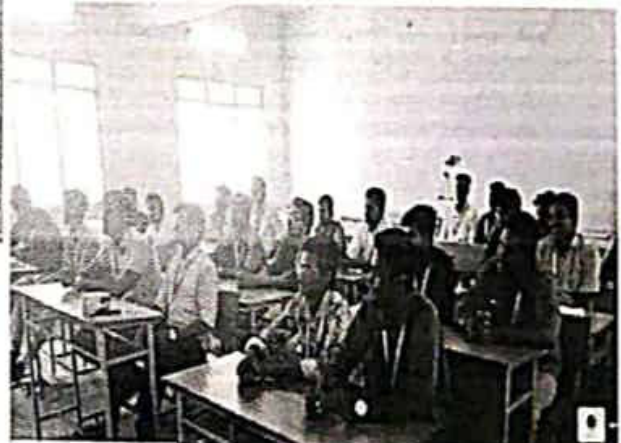
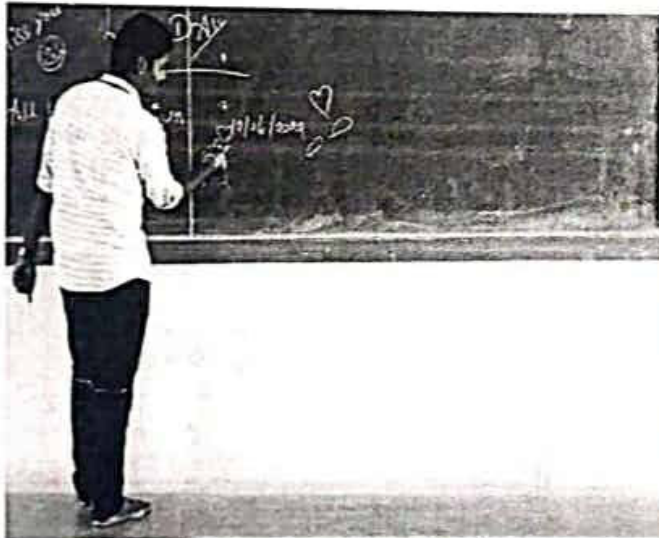
TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Year : 2021-2022  
Subject Name : 19ECE401 / Communication Theory  
Year / Semester : II / IV  
Activity : Active Learning  
Topic : Introduction to GSM  
Name of the Student : HARISH.R

Semester: Even



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FACULTY INCHARGE

*[Signature]*  
HOD



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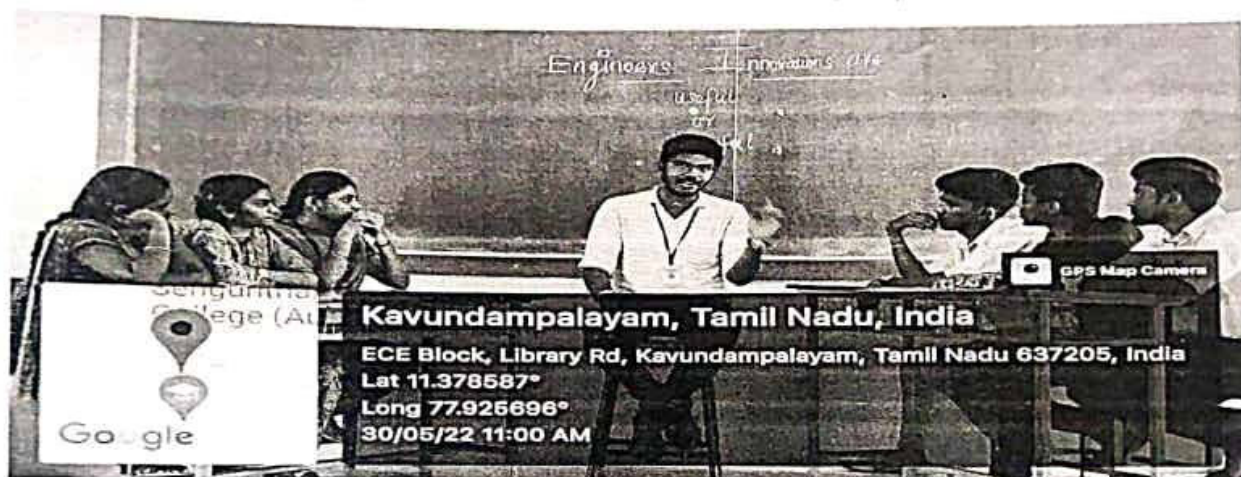
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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR : 2021-2022 SEMESTER : EVEN  
SUBJECT NAME : GE8076- PROFESSIONAL ETHICS IN ENGINEERING  
FACULTY INCHARGE : Mr.P.GOPINATH /ASSISTANT PROFESSOR  
YEAR / SEMESTER : IV / VIII  
ACTIVITY : Debates, Videos Related Case Studies  
TOPIC : Engineers Innovations are useful or Harmful, Bhopal Nuclear Disaster



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30/5/22  
Faculty In-Charge

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30/5/22  
HoD



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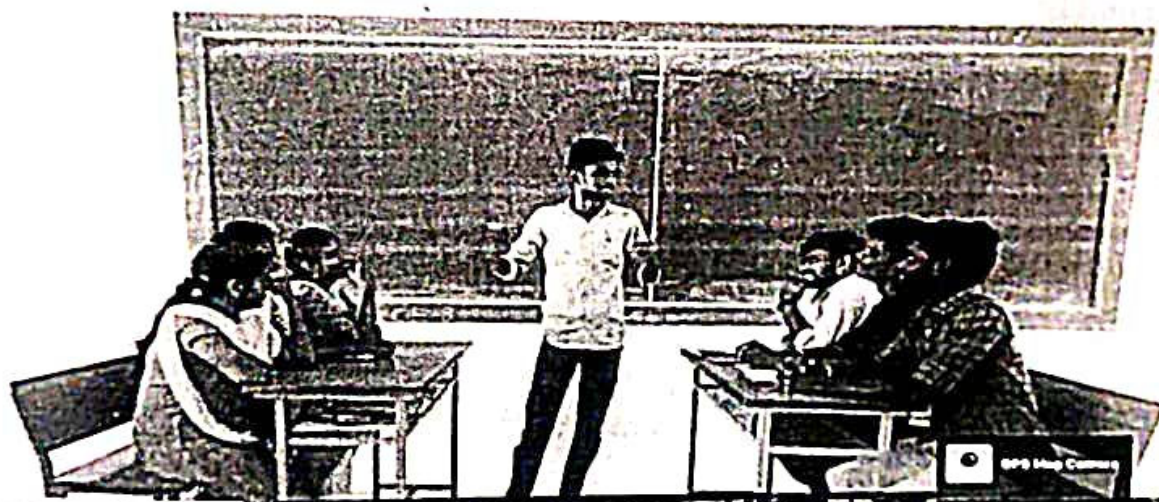
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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR : 2021-2022 SEMESTER : EVEN  
SUBJECT NAME : 19ECT602 - WIRELESS COMMUNICATION  
FACULTY INCHARGE : GOWTHAMAN .V/AP  
YEAR / SEMESTER : III / VI  
ACTIVITY : GROUP DISCUSSION  
TOPIC : TRENDS IN WIRELESS COMMUNICATION-2023-GROUP DISCUSSION



*[Signature]*  
21/4/22

Faculty In-Charge

*[Signature]*  
21/4/22  
HoD



# SENGUNTHAR ENGINEERING COLLEGE

TIRUCHENGODE, NAMAKKAL - 637 205

NAAC Accredited with 'A' Grade



## IN-PLANT / SUMMER TRAINING RECORD

Department of Mechanical Engineering

Degree/Branch/Semester: B.E/Mechanical / VIII

Academic Year: 2021-2022

Total Number of Students: 10

Reg. No.	Name of the Students	Date / Industries where In-plant / Summer Training is taken				IPT I/c	Remarks
		Date	Name of the Industry	Report Submission Details	Performance in the Presentation		
612318114019	Karthick S	01.12.21 to 01.04.22	Lakshmi Enterprises	Yes	Good	Mr.G.Chandramohan	
612318114030	Nisanth P			Yes	Good		
612318114050	Vaishnavi L			Yes	Good		
612318114006	Balaji R	01.12.21 to 01.04.22	United Manufac ture India	Yes	Good		
612318114014	Gokula Kannan R			Yes	Good		
612318114020	Karthikeyan C			Yes	Good		
612318114025	Mahendran S	28.03.22 to 27.05.22	CRI Pumps	Yes	Good		
612318114029	Muralikrishnan T			Yes	Good		
612318114035	Ragavan Y			Yes	Good		
612318114303	Nethaji P			Yes	Good		

  
IPT/ST Coordinator

  
Academic Coordinator

  
H. O. D.



**C.R.I. PUMPS**

TRG/CRI/2022/MAY/009

31.05.2022

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that Mr.Karthi.S (18ME18), student of B.E (Mechanical Engineering) from Sengunthar Engineering College, Tiruchengode had undergone his internship training in our organization from 07.04.2022 to 20.05.2022.

We wish him every success in future endeavours.

**For C.R.I. Pumps Private Limited**

**Vijay Anand P**  
Associate Vice President – Human Resources

**C.R.I. PUMPS PRIVATE LIMITED**

**Corporate Office**

7/46-1, Keeranatham Road, Saravanampatti, Coimbatore - 641035, INDIA. CIN - U291201Z1996PTC006902

GST : 33AAACC9497N1Z1, Phone : +91-422-7117000, 4597000, Fax : +91-422-7117005

E-Mail : [corporateoffice@cripumps.com](mailto:corporateoffice@cripumps.com), Website : [www.crigroups.com](http://www.crigroups.com)

# TVS UPASANA LIMITED

(formerly Upasana Engineering Ltd)

G108/1 & G110, SIPCOT Industrial Park, Kothagondapalli  
Village, Harita TK, Hosur, Krishnagiri Dt, Tamil Nadu India 635 109.

Phone: 91-44 - 6714 0800 E-mail: upasana@uel.in Website: <https://www.uel.in/>

Ref: TVS/HR/IT/20

Date: 13/05/2022

## **INTERNSHIP TRAINING CERTIFICATE**

This is to certify that **Mr. KARTHICK S, (Reg. No – 612318114019)**, a student of **B.E (Mechanical Engineering)** from **SENGUNTHAR ENGINEERING COLLEGE**, Tiruchengode, Namakkal District has Internship Training at our Plant from (31.03.2022 to 13.05.2022)

During This training his code and conduct were good.

We wish him every success in life.

Yours Faithfully  
For Tvs Upasana Ltd.,



**K.Daniel**  
Asst, Manager P&A  
Tvs Upasana Ltd





C.R.I/. PUMPS

TRG/CRI/2022/MAY/013

31.05.2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr.MAHENDRAN.S (18ME25), student of B.E (Mechanical Engineering) from Sengunthar Engineering College, Tiruchengode had undergone his internship training in our organization from 04.03.2022 to 30.04.2022.

We wish him every success in future endeavours

For C.R.I. Pumps Private Limited

Vijay Anand P  
Associate Vice President - Human Resources

**C.R.I PUMPS PRIVATE LIMITED**

Corporate Office

7/46-1 Keeranatham Road, Saravanampatti, Coimbatore - 641005, INDIA. CIN: U29120TZ1996PTC006902  
GST: 33AAACC049N21 Phone: +91-422-7817000, 4587000 Fax: +91-422-7817005  
E-Mail: corporateoffice@crigroups.com, Website: www.crigroups.com

AN ISO 9001 COMPANY

pumping trust, worldwide.



C.R.I/. PUMPS

TRG/CRI/2022/MAY/013

31.05.2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr.MURALIKRISHNAN.T (18ME29), student of B.E (Mechanical Engineering) from Sengunthar Engineering College, Tiruchengode had undergone his internship training in our organization from 04.03.2022 to 30.04.2022.

We wish him every success in future endeavours.

For **C.R.I.Pumps Private Limited**

Vijay Anand P

Associate Vice President-Human Resources

**C.R.I PUMPS PRIVATE LIMITED**

Corporate Office

7/46-1, Keeranatham Road, saravanampatti, Coimbatore. 641035. INDIA. CIN - U29120TZ1996PTC006902

GST : 33AAACC949rNIZ1. Phone : +91-422-7317000. 4597000, Fax : +91-422.7117005

E-Mail : corporateoffice@cripumps.com, Website www.crigroups.com



**C.R.I. PUMPS**

TRG/CRI/2022/MAY/010

31.05.2022

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that Mr.Nisanth.P (18ME30), student of B.E (Mechanical Engineering) from Sengunthar Engineering College, Tiruchengode had undergone his internship training in our organization from 04.03.2022 to 25.05.2022.

We wish him every success in future endeavours.

**For C.R.I. Pumps Private Limited**

**Vijay Anand P**  
Associate Vice President – Human Resources

**C.R.I. PUMPS PRIVATE LIMITED**

Corporate Office

7/46-1, Keeranatham Road, Saravanampatti, Coimbatore - 641035, INDIA. CIN - U29120TZ1996PTC006902

GST : 33AAACC9497N1Z1, Phone : +91-422-7117000, 4597000, Fax : +91-422-7117005

E-Mail : corporateoffice@cripumps.com, Website : www.cngroups.com

Pumping trust. Worldwide.



C.R.I/. PUMPS

TRG/CRI/2022/MAY/015

31.05.2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr.Poovarasana.R (18ME32), student of B.E (Mechanical Engineering) from Sengunthar Engineering College, Tiruchengode had undergone his internship training in our organization from 04.03.2022 to 30.04.2022.

We wish him every success in future endeavours

For C.R.I. Pumps Private Limited

Vijay Anand P

Associate Vice President-Human Resources

**C.R.I PUMPS PRIVATE LIMITED**

Corporate Office

7/46-1. Keeranatham Road, Saravanampatti, Coimbatore. 641035. INDIA. CIN - U29120TZ1996PTC006902

GST : 33AAACC949NIZ1. Phone : +91-422-7317000. 4597000, Fax : +91-422.7117005

E-Mail : corporateoffice@cnpumps.com, Website [www.crigroups.com](http://www.crigroups.com)



C.R.I/. PUMPS

TRG/CRI/2022/MAY/007

31.05.2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr.PRANESH.R (18ME33), student of B.E (Mechanical Engineering) from Sengunthar Engineering College, Tiruchengode had undergone his internship training in our organization from 04.03.2022 to 30.04.2022.

We wish him every success in future endeavours

For C.R.I. Pumps Private Limited

Vijay Anand P

Associate Vice President-Human Resources

**C.R.I PUMPS PRIVATE LIMITED**

Corporate Office

7/46-1, Keeranatham Road, Saravanampatti, Coimbatore, 641035, INDIA. CIN : U29120TZ1996PTC006902

GST : 33AAACC949NIZ1 Phone : +91-422-7317000, 4597000, Fax : +91-422 7117005

E-Mail : corporateoffice@cnumpscorp.com, Website www.crigroups.com

AN ISO 9001 COMPANY

pumping trust, worldwide.



C.R.I/. PUMPS

TRG/CRI/2022/MAY/016

31.05.2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr.Ragavan.Y (18ME35), student of B.E (Mechanical Engineering) from Sengunthar Engineering College, Tiruchengode had undergone his internship training in our organization from 04.03.2022 to 30.04.2022.

We wish him every success in future endeavours

For C.R.I. Pumps Private Limited

Vijay Anand P

Associate Vice President-Human Resources

**C.R.I PUMPS PRIVATE LIMITED**

Corporate Office

7/46-1. Keeranatham Road, saravanampatti, Coimbatore. 641035. INDIA. CIN - U29120TZ1996PTC006902

GST : 33AAACC949rNIZ1. Phone : +91-422-7317000. 4597000, Fax : +91-422.7117005

E-Mail : corporateoffice@cnpumpscom, Website wmq.crigroups.com

Ref: JBMA / HR / IT/ 20

03.05.2022

## INTERNSHIP TRAINING CERTIFICATE

This is to certify that **Mr. SABESAN M S (Reg. No - 612318114039 )** a student of **B.E (Mechanical Engineering)** from **SENGUNTHAR ENGINEERING COLLEGE, Thiruchengode, Namakkal District** has done his Internship Training at our Plant from **17.03.2022 to 03.05.2022**

During this training his code and conduct were good.

We wish all the best for his future endeavors.

Yours Faithfully  
For **JBM Auto Ltd.,**

  
K. Anand

Asst, Manager - P&A  
JBM Auto Limited



# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956

NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## PROJECT / INTERNSHIP JOINING REPORT

Name of the Student : SANDHIYA.A

Reg. No. : 612318102006

Name of the Company : Eagle Rebar Engineering Service India Pvt. Ltd.

Date of Reporting : 17.01.2022 to 16.04.2022.

Reporting Department and Person : H.R./ Jagatheesh Eswaran

Organizational Guide : G.Prabhakaran

Address : Kumaramangalam, Namakkal  
Tamilnadu 637205.

Telephone No. : -

Fax No. : -

E-mail id : hr@eaglerebar.com

Student Contact Address : 5/426, Indra Nagar, 87 Kavundapalayam,  
Kumaramangalam, Namakkal DT. - 637205.

Telephone / Mobile No. : 91-6380893981

Email id. : 18ce006@scteng.co.in

Project Title : Rebar Detailing of US Projects.

Area of Research : Reinforcement Design for RC Elements.



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NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



IAS-ANZ



ISO 9001 REGISTERED

## DETAILS OF STUDENTS INTERNSHIP

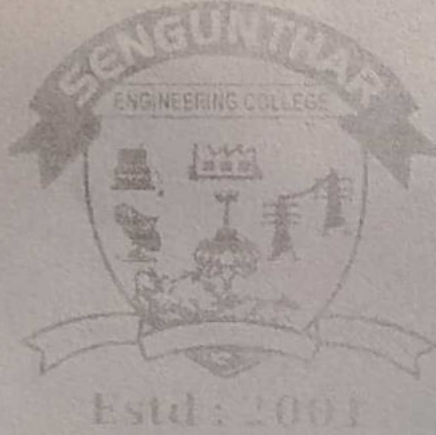
Department of Civil Engineering

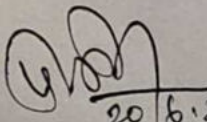
Degree/Branch/Year: B.E/Civil/IV

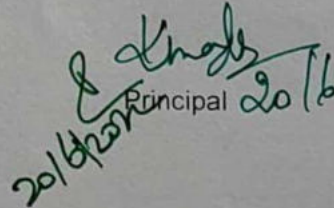
Academic Year: 2021-2022

Reg. No.	Name of the Student	Industry	Internship Title	Guide	Remarks
612318102006	Sandhiya.A	Eagle Rebar Engineering Service India Pvt. Ltd.	Rebar Detailing of US Projects	G.Prabhakaran	Knowledge Dissemination

Total Number of Students: 1



  
20/6/22  
H.O.D.

  
20/6/22  
Principal



# SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

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NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## INTERNSHIP MARK LIST

Department of Civil Engineering

Degree/Branch/Year: B.E/Civil/IV

Academic Year: 2021-2022

Total Number of Students: 1

Reg. No.	Name of the Student	Presentation (20)	Viva Voce (40)	Report (40)	Total Marks (100)
612318102006	Sandhiya.A	20	39	37	96 (Nine Six)

*N. 10/20/6/22*  
Academic Coordinator

*20/6.22*  
H.O.D.

*20/6/22*  
Principal

Date: **MAY 01 ,2022**

Ref: ERS/HR/M/APPTO/355

**Mr. A.SANTHIYA  
D/O ANGAMUTHU  
5/426 INDIRA NAGAR  
87 KAVUNDAMPALAIYAM  
KUMARAMANGALAM,  
NAMAKKAL  
TAMIL NADU 637205**

**Appointment as Junior Trainee Detailer**

Dear **Mr. A.SANTHIYA**

This has reference to our offer of employment in **Eagle Rebar Engineering Services India Private Limited (ERS)**. We are pleased to appoint you as **Junior Trainee Detailer** with effect from **27-APR-2022**.

This offer of appointment is based on the information furnished in your application for employment. If, at any time, in future it comes to our notice that any of this information is incorrect or that any relevant information has been withheld, then **Eagle Rebar Engineering Services India Private Limited (ERS)** reserves the right to terminate your employment without notice.

Please note your designation / duties may be changed at the discretion of the Management. The terms and conditions of services applicable to you will be as follows:

**I. A. SALARY**

You will be placed with the **Annual CTC of 144000 /-**. Eagle Rebar Engineering Services India Private Limited (ERS) has specially designed your compensation that helps you to plan your needs comfortably and motivates you to consistently perform at high levels towards contributing both in meeting your personal life and as well as mission and the objectives of the organization.

**B. LOCATION & REPORTING**

Your current place of posting Location is, **Kumaramangalam, Namakkal, Tamil Nadu 637205**. You will be reporting to HR Desk on the Day of joining.

**II. PROBATION**

You will be on probation for six months from the date of joining. After the expiry of the probation period, it is the option of the management either to confirm your services or extend your probationary period and it is purely based on your performance.

**III. MEDICAL INSURANCE**

You will be entitled for Group Medical & Accidental Insurance Scheme as applicable.

**IV. TRANSFER**

The management reserves the right to transfer you to any location or any branch of the organization or to any other associates or subsidiaries with which the organization has or would have an arrangement of operation for providing services.

**V. CONFIDENTIALITY**

It is assumed, that you would not, except in the proper course of your duties, disclose or divulge to any person or persons whomsoever other than in connection with the business of Eagle Rebar Engineering Services India Private Limited (ERS), or yourself make use of any information of a secret or confidential nature acquired by you during the period of such employment relating to the trade or business of Eagle Rebar Engineering Services India Private Limited (ERS).

**VI. NON-COMPETING CLAUSE**

In addition to holding all confidential information as a member of our organization, you will not directly or indirectly engage in services with any of our competitors or start your own consultancy of similar nature during your tenure of employment or two years after leaving the company.

**VII. NON SOLICIT**

During the term of your employment with Eagle Rebar Engineering Services India Private Limited (ERS) and, after your term of employment you shall not solicit, endeavour to solicit, influence or attempt to influence any client, customer or other Person directly or indirectly direct his or its purchase of the product of Eagle Rebar Engineering Services India Private Limited (ERS) and/or services to himself or any person in competition with the business of Eagle Rebar Engineering Services India Private Limited (ERS).

**VIII. INDEMNIFICATION**

You agree to indemnify Eagle Rebar Engineering Services India Private Limited (ERS) for any losses or damages sustained by it which is caused by you or related to your breach of any of the provisions or obligations set out in this letter.

**IX. TERMINATION**

After confirmation, Eagle Rebar Engineering Services India Private Limited (ERS) can terminate your employment. You will have to give a notice or gross pay in lieu of the notice in case you leave the services of the company. Adjustment of privilege leave against notice period is purely at the discretion of the Management. Notice period will be (90-days)

**X. COOPERATION FOLLOWING TERMINATION**

You agree that, following notice of termination of your employment, you will cooperate fully with the company in all matters relating to the completion of his pending work on behalf of the company and the orderly transition of such work to such other employees as the Company may designate. You further agree that during and following the termination of his employment you shall cooperate fully with the company as to any and all claims, controversies, disputes or complaints over which you have any knowledge or that may relate to your employment relationship with the company. Such cooperation includes, but is not limited to, providing the company with all information known to you related to such claims, controversies, disputes or complaints and appearing and giving testimony in any forum.

**XI. GENERAL CONDITIONS**

- a. You will be required to observe the rules and regulations applicable to all employees of the company.
- b. You shall at all times, devote your full attention and skill to the affairs of the Company and will endeavor to your utmost ability to promote and advance the interests of the Company.
- c. During the term of your employment you are expected to adhere to the service conditions of the company that are in existence and framed by the company from time to time.
- d. Your employment is subject to your being medically fit as confirmed by a Registered Medical Practitioner.
- e. You are advised to visit our Eagle - Rebar Application frequently by using your credentials which has been provided by HR Dept. for practicing and following the laid down HR policies such as Leave Policy, Official News, Information from HR Desk, etc. for your access and benefit.
- f. You are required to abide by the rules and regulations under various regulatory and government authorities and amendments from time to time.
- g. You would devote the whole of your attention and abilities exclusively to the business of the company and shall in all respects obey and conform to the regulations from time to time issued by the company and applicable to you, shall at all times well and faithfully serve the company and use your best endeavors to promote the interest thereof.

**XII. JOINING**

As per our records, your date of Joining is **27-APR-2022**.

**XIII. ACCEPTANCE**

If the foregoing terms and conditions are acceptable to you, please confirm this in writing indicating your understanding and acceptance of the terms on duplicate copy of this letter, which should be signed by you and returned to us.

We take this opportunity to extend a warm welcome to Eagle Rebar Services.

Wish you a long and enjoyable career with Eagle Rebar Services!

Yours sincerely

For **Eagle Rebar Services**

For EAGLE REBAR ENGINEERING  
SERVICES INDIA PRIVATE LIMITED,

*E. J. J.*  
DIRECTOR

*Sandhya A*

**Jegatheesh Eswaran**  
Management / Chief Executive Officer

**EAGLE REBAR**  
ENGINEERING SERVICES INDIA PRIVATE LIMITED

[www.eagle-rebar.com](http://www.eagle-rebar.com)

**Memorandum of Understanding**  
**Between**  
**Sengunthar Engineering College (Autonomous), Tiruchengode**  
**And**  
**EXTOLTECH SOLUTION, Erode.**

This Agreement is made on 01.06.2022 between  
**Sengunthar Engineering College (Autonomous), Tiruchengode**  
**And**  
**EXTOLTECH SOLUTION, Erode.**

**Sengunthar Engineering College (Autonomous)** is a leading educational institute in **Tiruchengode** providing various Degree programs approved by AICTE, hereinafter referred as **INSTITUTE**.

**And**  
**EXTOLTECH SOLUTION** having its office at **159, Amman Complex, Mettur Road, Erode - 639001.**

**EXTOLTECH SOLUTION** specializes in software development on all softwares, hereinafter referred as **COMPANY**.

**1. Now therefore both the parties hereby agree as follows:**

- 1.1 **COMPANY** will conduct **CAD, CAM, CAE, Software and Networking Courses** for students of **INSTITUTE** at Institute premises by providing specialized and certified Faculty.
- 1.2 **Both parties** will create better awareness and products of all softwares for better employability of participants at the **INSTITUTE**.
- 1.3 The **COMPANY** in consultation with the **INSTITUTE**, will create and refine courses as per current software program, industry demands and accreditation requirements.
- 1.4 The **COMPANY** will support for final year students placements.
- 1.5 Course selection and fixation of course fee will be as per the current situation and demands.

## **2. Responsibility of Company**

2.1 Provide Faculty with requisite knowledge and experience in teaching all the software courses. The **COMPANY** will ensure substitute faculty of similar specialization, as per requirement.

## **3. Responsibility of the Institute**

3.1 Provide requisite infrastructure to conduct course, like Classrooms, Computer Hardare/Software, Computer Projector, black/white board, power, power backup and other necessary equipments.

3.2 The **INSTITUTE** will register students in course by adequate information to all relevant engineering streams.

3.3 The **INSTITUTE** will collect the course fee or any other fee pursuant to this Agreement from participating students in advance. The **INSTITUTE** will facilitate the collection of fees on behalf of students.

3.4 Reimburse fee as applicable to the **COMPANY** as per agreed terms.

3.5 Ensure that all the participating students attend course classes as per schedule and all required infrastructure is made available for uninterrupted classes.

3.6 Institute would ensure that all students are regular in attendance.

## **4. Duration for this Agreement**

4.1 The duration of this Agreement shall be for a period of 5 years from the date of signing and If not renewed or amended in writing the same shall be considered as expired and/or terminated.

## **5. Termination**

5.1 This agreement shall take effect immediately on the execution of these presents. This agreement can be terminated by any party by a written letter giving one month notice period.

5.2 Upon expiry of the notice period this agreement will be terminated & both the parties will settle their accounts within one month of termination of this agreement.

5.3 Any notice request or other communication required or permitted to be given or made under this agreement to **INSTITUTE** or **COMPANY** shall be in writing. Such notice or request shall have been given or made when it shall have been delivered by hand, with a copy by facsimile, to the party to which it is addressed at such party's address specified below or at such other address as such party shall have designed by notice to the party for giving such notice or making such request:

**EXTOLTECH SOLUTION**  
159, Amman Complex, 2<sup>nd</sup> Floor,  
Mettur Road,  
Erode-638011.

**SENGUNTHAR ENGINEERING COLLEGE**  
(Autonomous)  
Kumaramangalam (Po),  
Tiruchengode,  
Namakkal Dist-637 205.

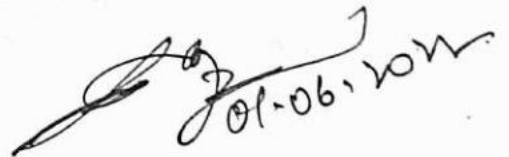
5.4 Nothing expect as otherwise specifically provided here in this agreement, shall bind each party's successors & permitted assignors.

5.5 The parties hereto acting themselves or through representative duly authorized, have caused this agreement to be signed in their respective names as of the day & year written above.



**CENTRE HEAD**

**EXTOLTECH SOLUTION,**  
159, Amman Complex, 2<sup>nd</sup> Floor,  
Mettur Road,  
Erode-638011.



01.06.2022

**SECRETARY & CORRESPONDENT**

**Sengunthar Engineering College (Autonomous)**

Kumaramangalam (Po),  
Tiruchengode,

Namakkal Dist-637 205.

SECRETARY & CORRESPONDENT,  
SENGUNTHAR ENGINEERING COLLEGE  
(AUTONOMOUS)  
TIRUCHENGODE - 637 205.

8/11/6

Place : Tiruchengode

Date : 01.06.2022



# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956

NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



Ref: SEC/VAC/2021-2022/02

Date: 30.05.2022

## Submitted to the Correspondent for Approval:

Sir,

Sub: Requesting permission for conducting value added courses - Reg.

We would like to bring to your kind consideration to accord approval to conduct the value added courses to the B.E. - II Year (Fourth Semester) students of all departments as per the curriculum. In this connection, MoUs are to be made between our Institution and Industries as Training Partner mentioned against respective Departments for mutual benefits on 01.06.2022.

INDUSTRY	DEPARTMENT	COURSE
EXTOLTECH SOLUTION, ERODE	CIVIL	SKETCHUP
EXTOLTECH SOLUTION, ERODE	CSE	PC HARDWARE TROUBLESHOOTING
EXTOLTECH SOLUTION, ERODE	ECE	MOBILE HARDWARE TROUBLESHOOTING
C-CUBE TECHNOLOGIES, ERODE	EEE	PCB DESIGN
EXTOLTECH SOLUTION, ERODE	MECH	SOLID WORKS

We request your permission for the same.

## Submitted by

## Forwarded by

1. S. ANAND KUMAR (S. Anand 30/5/22)
2. G. MOHESHKUMAR (G. Mohesh Kumar 30/5/22)
3. V. GOWTHAMAN (V. Gowthaman)
4. FOR K. PRASHANTH (K. Prashanth 30/5/22)
5. P. JAYDEESWARAN (P. Jayadeeswaran 30/5/22)

VAC I/C(s)

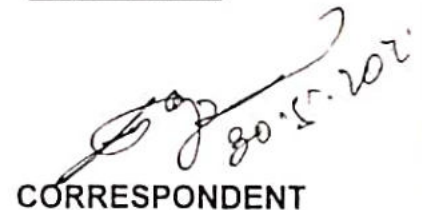
1. M. Seenirajan (M. Seenirajan 30/5/22)
2. M. SATHISH (M. Sathish 30/5/22)
3. Dr. C. Aarthi (Dr. C. Aarthi 30/5/22)
4. Dr. K. Umadevi (Dr. K. Umadevi 30/5/22)
5. N. THIRU SETHIL (N. Thiru Sethil 30/5/22)

HoD(s)

## Recommended by

## Approved by

  
PRINCIPAL  
30/5/22

  
CORRESPONDENT  
30.5.2022

Copy to:

1. Office File
2. IQAC



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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## APPROVAL FORM

### FOR THE CONDUCTION OF INTERNAL MODE EXAMS TO NON CREDITED COURSES (EEC & MDC)

Ref. No.: SEC/AC/CIA/2021-22/01

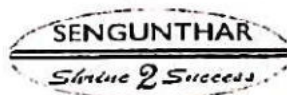
Date: 07.05.2022

Department	Civil Engineering	Year / Semester		II / IV					
Branch	Civil Engineering	Section		-					
Regulation	2019								
Course Code & Name	19MDC401 – Value Added Courses								
Category of Course	Employability Enhancement Course		Mandatory Course <input checked="" type="checkbox"/>						
Faculty Name(s)	Name	Designation		Department					
	Mr.S.Anand Kumar	Assistant Professor		Civil Engineering					
No. of Students in the Class	26								
Is Invigilation required?	No		No. of Invigilators required		Nil				
Mode of Exam	Pen and Paper	MCQ in Google Form	Oral Exam (Viva – Voce)	Demonstration <input checked="" type="checkbox"/>					
Duration	3 Hours								
Maximum Marks	100		Minimum Marks to Pass		50				
Question Pattern	CIA 1			CIA 2		CIA 3			
	Part A	Part B	Part C	Part A	Part B	Part C	Concept Present ation	Query	
No. of Questions	-	-	-	-	-	-	-	-	
Mark of Each Question	-	-	-	-	-	-	30	60	10
Total Mark	-	-	-	-	-	-	30	60	10
Weightage of this Internal Mode Exams	CIA 1			CIA 2		CIA 3			
						100			

Submitted by	Forwarded by	Recommended by	Approved by
Faculty	HOD(s)	Dean ( A )	Academic Council / MS
			Principal

Copy to :

1. COE
2. IQAC
3. Dept.File
4. Exam Cell





# SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



19MDC401

VALUE ADDED COURSE – I  
(SKETCHUP SOFTWARE)

L T P C  
----

## OBJECTIVES

The main objective of this course is to:

- Draw shapes and lines for move the surfaces back and forth for turning them into 3D forms quickly and accurately.
- Apply drawing scales and insert dimensions, graphics, further to learn the sketch up for building design applications.
- View and presenting models in 3D and also to make everyday shapes, 2– D plans, elevations and sections.
- Create rectangles, circles, polygons, arcs for moving, scaling and rotating objects with the process of applying, creating and editing materials.

## COURSE CONTENTS

3D – modeling using sketch up software.

**TOTAL: 15 PERIODS**

## OUTCOMES

Upon the completion of the course, the students will be able to:

- Apply basic 3D modeling and concepts to create simple building models.
- Create everyday shapes, from 2D plans, elevations; create rectangles, circles, polygons and arcs.
- Move, scale and rotate objects with processes of applying, creating and editing materials.
- Export in 2D, 3D and Map textures on straight and curved objects.

## TEXT BOOKS

1. Marcus Ritland, “3D Printing with SketchUp”.
2. Paul Lee, “Construction Documents Using SketchUp Pro 2020”.

## REFERENCES

1. Robert Lang, “Building Blocks of SketchUp”.
2. John Romeo, “Create Scenery & Props with SketchUp”.

## E-RESOURCES

1. [https://www.iit.edu/sites/default/files/2021-02/google\\_sketchup.pdf](https://www.iit.edu/sites/default/files/2021-02/google_sketchup.pdf)(SketchUp Introduction)
2. <https://www.naukri.com/learning/design-your-room-using-sketchup-course-udeml724> (Design your Room Using Sketchup)



COLLEGE NAME: SENGUNTHAR ENGINEERING COLLEGE

STARTING DATE: 10.06.2022

DEPARTMENT: CIVIL

ENDING DATE: 17.06.2022

YEAR: II<sup>nd</sup> YEAR

INCHARGE: S. ANAND KUMAR

PHONE NO.: 9655 7787 17

DAY	DATE	SYLLABUS	SIGNATURE	
			TRAINER	STAFF
1	10.6.22	Introduction to Sketch up GUI (Graphical User Interface) Template setting Screen Settings		
2	10.6.22	<u>Toolbars:</u>  ❖ UNIT ❖ PAN ❖ ZOOM ❖ ORBIT		
3	10.6.22	<u>Basic Tools:</u>  ❖ Line ❖ Freehand ❖ 2 point arc ❖ 3 point arc ❖ Pie ❖ Rectangle ❖ Rotated rectangle ❖ Circle		



	14-6-22	<ul style="list-style-type: none"> <li>❖ Polygon</li> <li>❖ Push/Pull</li> <li>❖ Groups</li> <li>❖ Components</li> <li>❖ Move</li> <li>❖ Rotate</li> <li>❖ Copy</li> <li>❖ Array</li> <li>❖ Polar Array</li> <li>❖ Follow me</li> <li>❖ Offset</li> <li>❖ Scale</li> <li>❖ Paint Bucket</li> <li>❖ Erase</li> <li>❖ Select</li> </ul>	<i>N. S. S.</i>	<i>N. S. S.</i>
4	14-6-22	<p><u>VIEWS:</u></p> <ul style="list-style-type: none"> <li>❖ Iso</li> <li>❖ Top Bottom</li> <li>❖ Front Back</li> <li>❖ Left Right</li> </ul> <p><u>STYLES:</u></p> <ul style="list-style-type: none"> <li>❖ Xray</li> <li>❖ Wireframe</li> <li>❖ Hidden Line</li> <li>❖ Shaded</li> <li>❖ Shaded With Texture</li> <li>❖ Monochrome</li> </ul>	<i>N. S. S.</i>	<i>N. S. S.</i>
5	14-6-22	<p><u>Solid tools</u></p> <ul style="list-style-type: none"> <li>❖ Outer shell</li> <li>❖ Intersect</li> <li>❖ Union</li> <li>❖ Subtract</li> <li>❖ Trim Split</li> </ul>	<i>N. S. S.</i>	<i>N. S. S.</i>



6	14-6-22	<b><u>Creating Materials</u></b> <ul style="list-style-type: none"> <li>❖ Apply materials</li> <li>❖ Create new material</li> <li>❖ Add patterns</li> </ul>	<i>[Signature]</i>	<i>[Signature]</i>
7	15-6-22	<b><u>Modeling :</u></b> <ul style="list-style-type: none"> <li>❖ Walls</li> <li>❖ Floors</li> <li>❖ Windows</li> <li>❖ Doors</li> <li>❖ Components</li> <li>❖ Roof</li> <li>❖ Landscape</li> </ul>	<i>[Signature]</i>	<i>[Signature]</i>
8	15-6-22	<b><u>Warehouse :</u></b> <ul style="list-style-type: none"> <li>❖ Download Models</li> <li>❖ Edit Models</li> <li>❖ Group vs Components</li> <li>❖ Scale</li> </ul>	<i>[Signature]</i>	<i>[Signature]</i>
9	15-6-22	<b><u>Section Plan :</u></b> <ul style="list-style-type: none"> <li>❖ Sections - Elevations</li> <li>❖ Display section plane</li> <li>❖ Display section cut</li> <li>❖ Display section fill</li> </ul>	<i>[Signature]</i>	<i>[Signature]</i>
10	16-6-22	<b><u>Sandbox :</u></b> <ul style="list-style-type: none"> <li>❖ From contour</li> <li>❖ From scratch</li> <li>❖ Smoove</li> <li>❖ Stamp</li> <li>❖ Drape</li> </ul>	<i>[Signature]</i>	<i>[Signature]</i>



# SketchUp



# Academy

		<ul style="list-style-type: none"> <li>❖ Add details</li> <li>❖ Flip edge</li> </ul>		
11	17-6-22	<b><u>V-RAY INTRODUCTION:</u></b>  <b>V-RAY ASSET EDITOR</b>  <b>V-RAY MATERIALS</b>  <b>V-RAY LIGHTING</b> <ul style="list-style-type: none"> <li>❖ Rectangle light</li> <li>❖ Sphere light</li> <li>❖ Spot light</li> <li>❖ IES Light</li> <li>❖ Dome light</li> <li>❖ Mesh light</li> </ul>		
12	17-6-22	<b><u>Camera tools</u></b> <ul style="list-style-type: none"> <li>❖ Camera</li> <li>❖ Position camera</li> <li>❖ Walk</li> <li>❖ Look around</li> <li>❖ Add scene</li> <li>❖ Animation</li> </ul>		
13	17-6-22	<b><u>VRAY RENDERING</u></b>  <b><u>IMPORT AND EXPORT</u></b>  <b><u>PROJECT</u></b>		



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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## DEPARTMENT OF CIVIL ENGINEERING 19MDC401-VALUE ADDED COURSE I (SKETCHUP SOFTWARE) ATTENDANCE SHEET

SL.NO	Reg. No.	Name of the Student	10.06.2022	14.06.2022	15.06.2022	16.06.2022	17.06.2022
1	202011001	DEEPAK BALU S	S. Deepak	S. Deepak	S. Deepak	S. Deepak	S. Deepak
2	202011002	JEYABHARATHI V	V. Jayabharathi	V. Jayabharathi	V. Jayabharathi	V. Jayabharathi	V. Jayabharathi
3	202011003	KAVIYARASAN S	S. Kant	S. Kant	S. Kant	S. Kant	S. Kant
4	202011004	SHIV KUMAR MALI	S. Kumar	S. Kumar	S. Kumar	S. Kumar	S. Kumar
5	202011005	THANIKAIVELAN G.S	G.S. Thini	G.S. Thini	G.S. Thini	G.S. Thini	G.S. Thini
6	202011006	UDHAYA A	A. Udhaya	A. Udhaya	A. Udhaya	A. Udhaya	A. Udhaya
7	202011302	BALASUBRAMANIAN M	M. Balasubramanian	M. Balasubramanian	M. Balasubramanian	M. Balasubramanian	M. Balasubramanian
8	202011303	BHARATH S V	S.V. Bharath	S.V. Bharath	S.V. Bharath	S.V. Bharath	S.V. Bharath
9	202011305	DHAMODARAN S	S. Dharmodaran	S. Dharmodaran	S. Dharmodaran	S. Dharmodaran	S. Dharmodaran
10	202011306	ELAVARASAN A	A. Elavarasan	A. Elavarasan	A. Elavarasan	A. Elavarasan	A. Elavarasan
11	202011307	KARTHIK C	C. Karthik	C. Karthik	C. Karthik	C. Karthik	C. Karthik
12	202011308	KISHORVENKAT S	S. Kishorvenkat	S. Kishorvenkat	S. Kishorvenkat	S. Kishorvenkat	S. Kishorvenkat

13	202011309	MOHAMED ABDUL FAROOK A	A. Farook	A. Farook	A. Farook	A. Farook	A. Farook
14	202011311	NANTHAKUMAR B	Antheluy	Antheluy	Antheluy	Antheluy	Antheluy
15	202011312	NAVEEN P	P. Naveen	P. Naveen	P. Naveen	P. Naveen	P. Naveen
16	202011313	NAVEENKUMAR M	M. Naveen	M. Naveen	M. Naveen	M. Naveen	M. Naveen
17	202011315	RAVIKRISHNA M.G	M.G. Ravi	M.G. Ravi	M.G. Ravi	M.G. Ravi	M.G. Ravi
18	202011316	SARATHI S	S. Sarathi	S. Sarathi	S. Sarathi	S. Sarathi	S. Sarathi
19	202011317	SARAVANAN V	V. Saravanan	V. Saravanan	V. Saravanan	V. Saravanan	V. Saravanan
20	202011318	SIRANJEEVI S	S. Siranjeevi	S. Siranjeevi	S. Siranjeevi	S. Siranjeevi	S. Siranjeevi
21	202011319	SURESH P	P. Suresh	P. Suresh	P. Suresh	P. Suresh	P. Suresh
22	202011320	VELAPRAVEEN T	T. Velapraveen	T. Velapraveen	T. Velapraveen	T. Velapraveen	T. Velapraveen

  
17/6/22  
VAC COORDINATOR

  
17/6/22  
STAFF I/C

  
17/6/22  
HoD



Sengunthar Engineering College(Autonomous) , Tiruchengode - 637 205

(An Autonomous Institution, Affiliated to Anna University , Chennai)

UG/PG END SEMESTER EXAMINATIONS - APR / MAY 2022

Programme : B.E - CIVIL ENGINEERING

Batch : 2020

Name of the subject : Value Added Course - I

Subject code : 19MDC401

Semester : 4

Date & Session : 27-06-2022 - FN

S. No	Register No	Name of the candidates	Answer Book No	*Write AB for Absent	Signature of the candidate	Photo of the candidate
1	202011001	DEEPAK BALU S			S. Deepak	
2	202011002	JEYABHARATHI V			V. Jeba Bharathi	
3	202011003	KAVIYARASAN S			S. Kaviyasan	
4	202011004	SHIV KUMAR MALI			S. Kumar	
5	202011005	THANIKAIVELAN G S			G.S. Thiruvengadam	
6	202011006	UDHAYA A			A. Udhaya	
7	202011302	BALASUBRAMANIAN M			M. Balasubramanian	
8	202011303	BHARATH S V			S.V. Bharath	
9	202011305	DHAMODARAN S			S. Dharmodaran	
10	202011306	ELAVARASAN A		AB		
11	202011307	KARTHIK C			C. Karthik	

Present : 10

Absent : 01

Total : 11

Certified that the following particulars have been verified:

\*Hall Superintendent should mark "AB" for Absent

1. The register No. of the attendance-sheet with that in the hall ticket.
2. The identification of the candidate with the photo given in hall ticket.
3. The answer book number entered in the attendance sheet by the candidate with the Serial No. on the Answer Book.

Signature of the Hall Superintendent with Name and Designation

Signature of the Chief Superintendent with Name and Designation

S. ANANDKUMAR  
AP/CIVIL

Signature of the Chief Superintendent with Name and Designation  
27/06/22  
External Examiner



Sengunthar Engineering College(Autonomous), Tiruchengode - 637 205  
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UG/PG END SEMESTER EXAMINATIONS - APR / MAY 2022

Programme : B.E - CIVIL ENGINEERING

Batch : 2020

Name of the subject : Value Added Course - I

Subject code : 19MDC401

Semester : 4

Date & Session : 27-06-2022 - FN

S. No	Register No	Name of the candidates	Answer Book No	*Write AB for Absent	Signature of the candidate	Photo of the candidate
12	202011308	KISHORVENKAT S			S. Kishor Venkat	
13	202011309	MOHAMED ABDUL FAROOK A		AB		
14	202011311	NANTHAKUMAR B			Nanthakumar	
15	202011312	NAVEEN P			P. Naveen	
16	202011313	NAVEENKUMAR M			M. Naveen Kumar	
17	202011315	RAVIKRISHNA M G			M. G. Ravi Krishna	
18	202011316	SARATHI S			S. Sarathi	
19	202011317	SARAVANAN V		AB		
20	202011318	SIRANJEEVI S			S. Siranjeevi	
21	202011319	SURESH P			P. Suresh	

Present : 08

Absent : 02

Total : 10

Certified that the following particulars have been verified:

\*Hall Superintendent should mark "AB" for Absent

1. The register No. of the attendance sheet with that in the hall ticket.
2. The identification of the candidate with the photo given in hall ticket.
3. The answer book number entered in the attendance sheet by the candidate with the Serial No. on the Answer Book.

S. Anand Kumar  
27/6/22

Internal Examiner  
Signature of the Hall Superintendent with Name  
and Designation

S. ANAND KUMAR  
AP/CIVIL

N. S. S. S. S.  
27/6/22  
External Examiner

Signature of the Officer Superintendent with Name  
and Designation



Sengunthar Engineering College(Autonomous), Tiruchengode - 637 205  
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UG/P/G END SEMESTER EXAMINATIONS - APR / MAY 2022

Programme : B.E - CIVIL ENGINEERING

Batch : 2020

Name of the subject : Value Added Course - I

Subject code : 19MDC401

Semester : 4

Date & Session : 27-06-2022 - FN

S. No	Register No	Name of the candidates	Answer Book No	*Write AB for Absent	Signature of the candidate	Photo of the candidate
22	202011320	VELAPRAVEEN T				

Present : 01

Absent : -

Total : 01

Certified that the following particulars have been verified:

\*Hall Superintendent should mark "AB" for Absent

1. The register No. of the attendance sheet with that in the hall ticket.
2. The identification of the candidate with the photo given in hall ticket.
3. The answer book number entered in the attendance sheet by the candidate with the Serial No. on the Answer Book.

24/6/22

Internal Examiner

Signature of the Hall Superintendent with Name and Designation

S. ANAND KUMAR  
UP/CIVIL

27/6/22

External Examiner

Signature of the Chief Superintendent with Name and Designation



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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : S. Deepak Bala Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)

B-Good (3)

C-Satisfactory (2)

D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

S. Deepak Bala  
Student's Signature



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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : V. Joya Bharathi Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

V. Joya Bharathi  
Student's Signature



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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : S. Karimathar Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

S. Karimathar  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : *Shiv Kumar Mali* Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions:	

*S. Kumar*  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : GS Thirunavukkarasu Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course - I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

GS Thirunavukkarasu  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : *A. UDHAYA* Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	D
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions:	

Student's Signature



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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : Babasubramaniam Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	B
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	B
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	C
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : S.V. Bharath Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	B
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

S.V. Bharath

Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : Dharmodaran Academic Year: 2021-2022 (Even)


Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	D
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions:	

  
Student's Signature



# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : Elavarasan A Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)

B-Good (3)

C-Satisfactory (2)

D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	B
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	B
4	Effectiveness of assignments/other activities given in the value added course	C
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

Elavarasan A.  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : C. KARTHIK Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from: Theory to Practical	B
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : S. Kishor Venkat Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course - I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions:	

S. Kishor Venkat  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : Abdul Taseem Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	B
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	C
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions: <u>Need more practice</u>	

M.A. Abdul  
Student's Signature



# SENGUNTHAR ENGINEERING COLLEGE

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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : ANANDH VEDAR Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course - I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)

B-Good (3)

C-Satisfactory (2)

D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions: <i>The value added course is very useful for my future.</i>	

*Anandh Vedar*  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

Department of Civil Engineering

Student's Name : P. PAVAN Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course - I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	D
2	The course contents are illustrated with adequate practical examples	D
3	Associative level of learning from Theory to Practical	E
4	Effectiveness of assignments/other activities given in the value added course	D
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : M. Navon Kumar Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course - I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	C
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	C
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

Department of Civil Engineering

Student's Name : M. G. Ravi Krishna Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

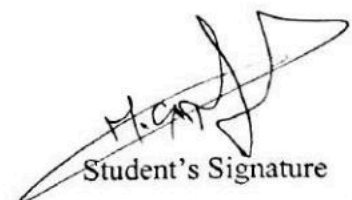
A-Very Good (4)

B-Good (3)

C-Satisfactory (2)

D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:  Useful to improve our skill	

  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : M. G. Ravi Krishna Academic Year: 2021-2022 (Even)

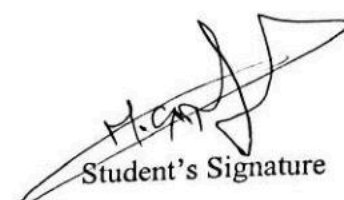
Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course - I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:  Useful to improve our skill	

  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : Saravanan V Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	B
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	B
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions: <u>Short key Manual may be provide.</u>	

V. Saravanan.

Student's Signature



# SENGUNTHAR ENGINEERING COLLEGE

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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : *P. Sivanjari* Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)

B-Good (3)

C-Satisfactory (2)

D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	<i>A</i>
2	The course contents are illustrated with adequate practical examples	<i>B</i>
3	Associative level of learning from Theory to Practical	<i>A</i>
4	Effectiveness of assignments/other activities given in the value added course	<i>A</i>
5	The competencies and skills developed from the Value added course are relevant to industry needs	<i>C</i>
6	Regularity and Punctuality and competency of the course instructor	<i>A</i>
7	The Interaction and Individual attention given by the course instructor	<i>A</i>
8	The outcome of the course exposes new knowledge and practices	<i>A</i>
9	Relevance of the Value added course content towards employability and entrepreneurship	<i>A</i>
10	Any other suggestions: <i>What I say, It's very useful, and learn more thing. are here. Thank for giving me this opportunity. (Thank you)</i>	

*[Signature]*  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : SURESH . P Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

Department of Civil Engineering

Student's Name : VELP PRAVEEN Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course - I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions:	

  
Student's Signature



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DEPARTMENT OF CIVIL ENGINEERING

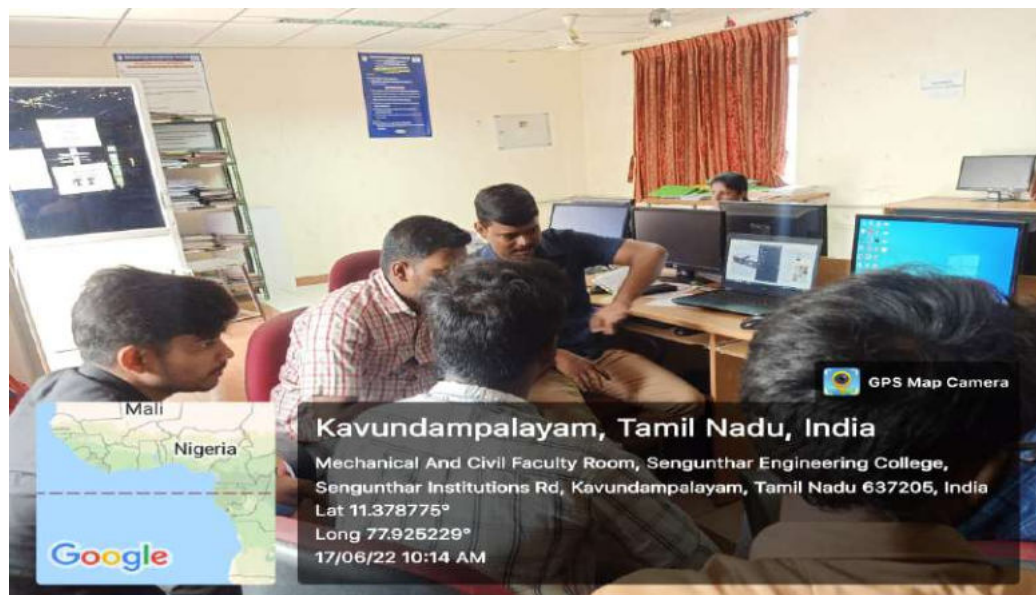
## PROGRAMME PHOTOGRAPH WITH GEOTAG

PROGRAMME TITLE : VALUE ADDED COURSE – I (SKETCHUP)

Academic Year : 2021-2022

Semester : EVEN

Date / Period : 10.06.2022 to 17.06.2022



*[Signature]*  
17.6.22

Co-ordinator

*[Signature]*  
17/6.22

HOD



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## DEPARTMENT OF CIVIL ENGINEERING

### CONTINUOUS INTERNAL ASSESSMENT 3

Academic Year: 2021 - 2022(Even)

Year/Sem: II/IV

Subject code/Subject Name: 19MDC401 / Value Added Course-I (SKETCHUP)

S.No.	Reg. No.	Name of the Student	Marks statement				
			Concept (30)	Implentation/ Presentation (60)	Viva Voce (10)	Total (100)	Remarks
1	202011001	DEEPAK BALU S	28	58	8	94	Completed
2	202011002	JEYABHARATHI V	26	57	9	92	Completed
3	202011003	KAVIYARASAN S	25	55	6	86	Completed
4	202011004	SHIV KUMAR MALI	28	57	8	93	Completed
5	202011005	THANIKAIVELAN G.S	28	58	9	95	Completed
6	202011006	UDHAYA A	26	56	9	91	Completed
7	202011302	BALASUBRAMANIAN M	25	55	6	86	Completed
8	202011303	BHARATH S V	22	55	5	82	Completed
9	202011305	DHAMODARAN S	26	56	9	91	Completed
10	202011306	ELAVARASAN A	←	ABSENT	→		Not completed
11	202011307	KARTHIK C	28	57	8	93	Completed



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12	202011308	KISHORVENKAT S	28	58	9	95	Completed
13	202011309	MOHAMED ABDUL FAROOK A	←	ABSENT	→		Not completed
14	202011311	NANTHAKUMAR B	25	55	6	86	Completed
15	202011312	NAVEEN P	26	56	6	88	Completed
16	202011313	NAVEENKUMAR M	26	56	8	90	Completed
17	202011315	RAVIKRISHNA M.G	24	52	6	82	Completed
18	202011316	SARATHI S	24	58	7	89	Completed
19	202011317	SARAVANAN V	←	ABSENT	→		Not completed
20	202011318	SIRANJEEVI S	25	55	7	87	Completed
21	202011319	SURESH P	22	54	8	84	Completed
22	202011320	VELAPRAVEEN T	27	55	8	90	Completed

S. Anand  
27/6/22

INTERNAL EXAMINER

S. ANAND KUMAR  
[APRIVIL]

N. Gobinath  
27/6/22  
EXTERNAL EXPERT

N. GOBINATH  
SR. DESIGN ENGINEER.  
[EXTOLTECH SOLUTION]



# SENGUNTHAR ENGINEERING COLLEGE

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## CONTINUOUS INTERNAL ASSESSMENT 3 – APR/MAY 2022

### 19MDC401 – VALUE ADDED COURSE – I (SKETCHUP)

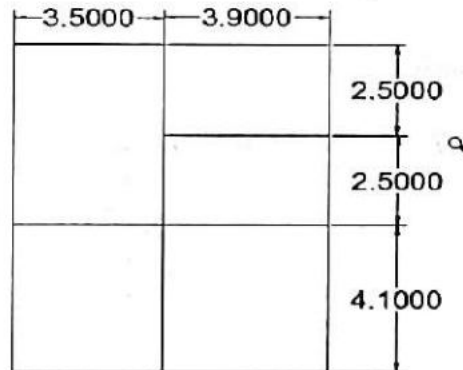
#### Practical Questions

Branch/Year/Semester: Civil / II / IV

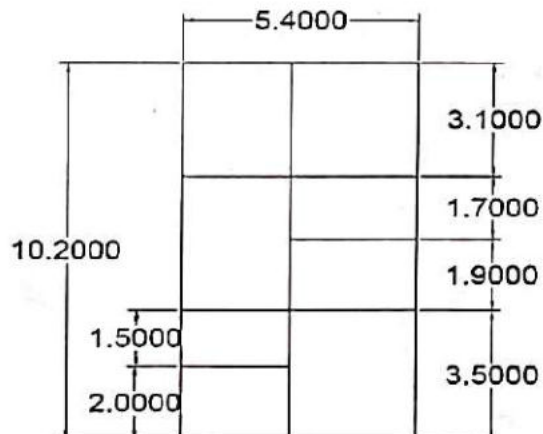
Date: 19.11.2022

Concept	Implementation / Presentation	Viva Voce	Total
30	60	10	100

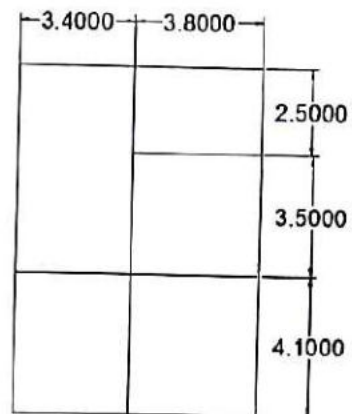
1.Design the given plan using Sketchup software.



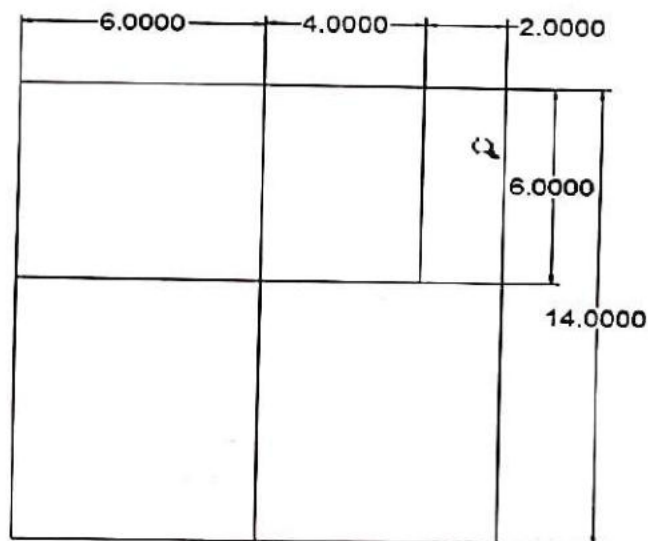
2.Design the given plan using Sketchup software.



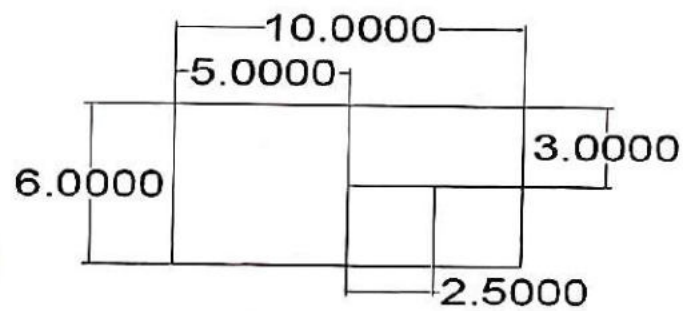
3.Design the given plan using Sketchup software.



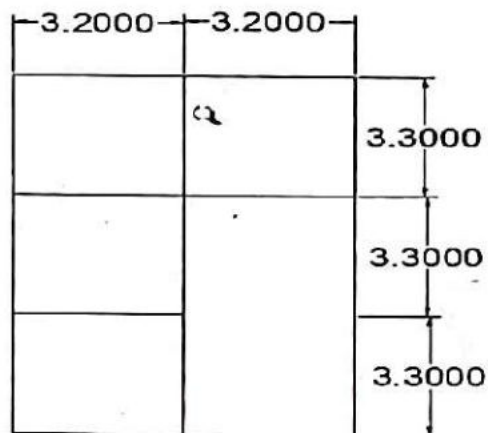
4.Design the given plan using Sketchup software.



5.Design the given plan using Sketchup software.



6.Design the given plan using Sketchup software.



*S. Anand*  
27/6/22  
INTERNAL EXAMINER  
S. ANAND KUMAR  
(AP/CIVIL)

*N. Gobinath*  
27/6/22  
EXTERNAL EXAMINER  
(TECHNICAL EXPERT)  
N. GOBINATH  
SR. DESIGN ENGINEER  
(ARTOL TECH SOLUTION)

# CERTIFICATE OF Appreciation



DATE: **25-06-2022**



**This is to certify that DEEPAK BALU S**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



**MSME**  
MINISTRY OF SMALL & MEDIUM ENTERPRISES  
भारत छोड़ो भारत छोड़ो

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002631**

Authorised Signature



**Skill India**  
कौशल भारत - कुशल भारत



**PMKVY**  
PRASHANTH MATHI KALSHAL VIJAY YOUNG



IT - ITeS SSC  
NASSCOM



AICTE INTERNSHIP

  
**CERTIFICATE**  
OF  
*Appreciation*



DATE: **25-06-2022**



**This is to certify that JEYABHARATHI V**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002632**

Authorised Signature





# CERTIFICATE OF Appreciation



DATE: **25-06-2022**



**This is to certify that KAVIYARASAN S**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
महान, लघु व मध्यम उद्यम

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002633**

Authorised Signature



  
**CERTIFICATE**  
OF  
**Appreciation**

DATE: **25-06-2022**



**This is to certify that SHIV KUMAR MALI**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



**MSME**  
MINISTRY OF MSME GOVT. OF INDIA  
महानिर्माण - महानिर्माण

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002634**



Authorised Signature





# CERTIFICATE OF Appreciation



DATE: **25-06-2022**



**This is to certify that **THANIKAIVELAN G S**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the **SKETCHUP** Course**  
**conducted by **Extol Tech Solution, Erode.****  
**from **10-06-22 to 17-06-22******



**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
सूक्ष्म, लघु एवं मध्यम उद्यम

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002635**

Authorised Signature



AICTE INTERNSHIP



# CERTIFICATE OF Appreciation



DATE: **25-06-2022**



**This is to certify that **UDHAYA A**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the **SKETCHUP** Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22****



**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
सूक्ष्म, लघु एवं मध्यम उद्यम

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002636**

Authorised Signature



# CERTIFICATE OF Appreciation

DATE: **25-06-2022**



**This is to certify that **BALASUBRAMANIAN M**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the **SKETCHUP** Course**  
**conducted by **Extol Tech Solution, Erode.****  
**from **10-06-22 to 17-06-22******



**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
क्षुद्र, लघु व मध्यम उद्यम

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002637**

A handwritten signature in black ink, appearing to read 'Sundar'.

Authorised Signature



**Skill India**  
विश्वविद्यालय - कृषि विद्या



**PMKVY**  
प्रधानमंत्री कर्मचारी विकास योजना



**IT - ITes SSC**  
**NASSCOM**



AICTE INTERNSHIP



# CERTIFICATE OF Appreciation



DATE: **25-06-2022**



**This is to certify that BHARATH S V**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
सूक्ष्म, लघु एवं मध्यम उद्यम

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002638**

Authorised Signature





# CERTIFICATE OF Appreciation



DATE: **25-06-2022**



**This is to certify that **DHAMODARAN S**  
**II year Civil Engineering** from **Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the **SKETCHUP** Course**  
**conducted by **Extol Tech Solution, Erode.****  
**from **10-06-22 to 17-06-22******



**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
सूक्ष्म, लघु एवं मध्यम उद्यम

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002639**

Authorised Signature



**Skill India**  
शिक्षण भारत - कुशल भारत



**PMKVY**  
PRADHAN MANTRI KAUSHAL YOGA YOJANA

**IT - ITes SSC**  
NASSCOM





# CERTIFICATE OF Appreciation



DATE: **25-06-2022**



**This is to certify that ELAVARASAN A**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
सूक्ष्म, लघु व मध्यम उद्यम

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002640**

Authorised Signature



# CERTIFICATE OF Appreciation

DATE: **25-06-2022**



**This is to certify that KARTHIK C**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



Ministry of MSME Gov. of India  
Reg. No.: TT 07E0021273

**CERTIFICATE ID : A002641**

A handwritten signature in black ink, appearing to read 'Indul', written over a light blue horizontal line.

Authorised Signature



  
**CERTIFICATE**  
OF  
*Appreciation*

DATE: **25-06-2022**



**This is to certify that KISHORVENKAT S**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002642**

Authorised Signature



# CERTIFICATE OF Appreciation

DATE: **25-06-2022**



**This is to certify that MOHAMED ABDUL FAROOK**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
उद्यम, अल्प व मध्यम उद्यम

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002643**

A handwritten signature in black ink, appearing to read 'Indul', written over a white background.

Authorised Signature



**Skill India**  
विश्वविद्यालय - कौशल विद्यालय



**PMKVY**  
PRADHAN MANTRI KAUSHAL VIKAS YODHANA



IT - ITeS SSC  
NASSCOM



AICTE INTERMEDIARY



# CERTIFICATE OF Appreciation



DATE: **25-06-2022**



**This is to certify that NANTHAKUMAR B**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
सूक्ष्म, लघु व मध्यम उद्यम

Ministry of MSME Govt. of India  
Reg.No.:TN07E0021273

**CERTIFICATE ID : A002644**

Authorised Signature



# CERTIFICATE OF Appreciation

DATE: **25-06-2022**



**This is to certify that **NAVEEN P****  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the **SKETCHUP** Course**  
**conducted by **Extol Tech Solution, Erode.****  
**from **10-06-22 to 17-06-22****



**MSME**  
MINISTRY OF SMALL & MEDIUM ENTERPRISES  
एन.ए. और म.म. उद्योग

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002645**

A handwritten signature in black ink, appearing to read 'Sudesh'.

Authorised Signature



# CERTIFICATE OF Appreciation

DATE: **25-06-2022**



**This is to certify that **NAVEENKUMAR M**  
**II year Civil Engineering** from **Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the **SKETCHUP** Course**  
**conducted by **Extol Tech Solution, Erode.****  
**from **10-06-22 to 17-06-22******



**MSME**  
MINISTRY OF MSME GOVT. OF INDIA  
MSME, SKILL & MEDIAN ENTERPRISES  
एन.एस.एम.ई. एन.एस.एम.ई.

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002646**

A handwritten signature in black ink, appearing to read "Sundar".

Authorised Signature



# CERTIFICATE OF Appreciation

DATE: **25-06-2022**



**This is to certify that RAVIKRISHNA M G**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



**MSME**  
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES  
GOVT. OF INDIA

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002647**

  
Authorised Signature



**Skill India**  
सकल शिक्षा - कुशल भविष्य



**PMKVY**  
PRIME MINISTER'S KISAN VIKAS YOJANA

**IT - ITeS SSC**  
NASSCOM



AICTE INTERNSHIP

# CERTIFICATE OF Appreciation

DATE: **25-06-2022**



**This is to certify that SARATHI S**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
सूक्ष्म, लघु एवं मध्यम उद्यम

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002648**

A handwritten signature in black ink, appearing to read 'Sudesh'.

Authorised Signature



**Skill India**  
शिक्षण भारत - कृषिण भारत



**PMKVY**  
PRASHANTHAKSHI KALPITAL VIKAS YOJANA

**IT - ITes SSC**  
NASSCOM



AICTE INTERNSHIP



# CERTIFICATE OF Appreciation



DATE: **25-06-2022**



**This is to certify that SARAVANAN V**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
विद्यया ऽमृतमश्नुते

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002649**

Authorised Signature



# CERTIFICATE OF Appreciation

DATE: **25-06-2022**



**This is to certify that **SIRANJEEVI S**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the **SKETCHUP** Course**  
**conducted by **Extol Tech Solution, Erode.****  
**from **10-06-22 to 17-06-22******



**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
सूक्ष्म, लघु व मध्यम उद्यम

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002650**

Authorised Signature



# CERTIFICATE OF Appreciation

DATE: **25-06-2022**



**This is to certify that SURESH P**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
एन. एम. एस. उद्यम

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002651**

A handwritten signature in black ink, appearing to read "Suresh P".

Authorised Signature



**Skill India**  
कौशल धारा - कुशल धारा



**PMKVY**  
PRADHAN MANTRI KAUSHAL VIKAS YODHAKA



IT - ITes SSC  
NASSCOM



AICTE INTERNSHIP

# CERTIFICATE OF Appreciation

DATE: **25-06-2022**



**This is to certify that **VELAPRAVEEN T**  
**II year Civil Engineering** from **Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the **SKETCHUP** Course**  
**conducted by **Extol Tech Solution, Erode.****  
**from **10-06-22 to 17-06-22******



**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
सूक्ष्म, लघु एवं मध्यम उद्यम

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002652**

A handwritten signature in black ink, appearing to read "Sudesh".

Authorised Signature



**Skill India**  
सक्षमता महोत्सव - कौशल महोत्सव



**PMKVY**  
PRADHAN MANTRI KAUSHAL VIKAS YOJANA

**IT - ITes SSC**  
NASSCOM



AICTE INTERNSHIP

**Memorandum of Understanding**  
**Between**  
**Sengunthar Engineering College (Autonomous), Tiruchengode**  
**And**  
**EXTOLTECH SOLUTION, Erode.**

This Agreement is made on 01.06.2022 between  
**Sengunthar Engineering College (Autonomous), Tiruchengode**  
**And**  
**EXTOLTECH SOLUTION, Erode.**

**Sengunthar Engineering College (Autonomous)** is a leading educational institute in **Tiruchengode** providing various Degree programs approved by AICTE, hereinafter referred as **INSTITUTE**.

**And**  
**EXTOLTECH SOLUTION** having its office at **159, Amman Complex, Mettur Road, Erode - 639001.**

**EXTOLTECH SOLUTION** specializes in software development on all softwares, hereinafter referred as **COMPANY**.

**1. Now therefore both the parties hereby agree as follows:**

- 1.1 **COMPANY** will conduct **CAD, CAM, CAE, Software and Networking Courses** for students of **INSTITUTE** at Institute premises by providing specialized and certified Faculty.
- 1.2 **Both parties** will create better awareness and products of all softwares for better employability of participants at the **INSTITUTE**.
- 1.3 The **COMPANY** in consultation with the **INSTITUTE**, will create and refine courses as per current software program, industry demands and accreditation requirements.
- 1.4 The **COMPANY** will support for final year students placements.
- 1.5 Course selection and fixation of course fee will be as per the current situation and demands.

## **2. Responsibility of Company**

2.1 Provide Faculty with requisite knowledge and experience in teaching all the software courses. The **COMPANY** will ensure substitute faculty of similar specialization, as per requirement.

## **3. Responsibility of the Institute**

3.1 Provide requisite infrastructure to conduct course, like Classrooms, Computer Hardare/Software, Computer Projector, black/white board, power, power backup and other necessary equipments.

3.2 The **INSTITUTE** will register students in course by adequate information to all relevant engineering streams.

3.3 The **INSTITUTE** will collect the course fee or any other fee pursuant to this Agreement from participating students in advance. The **INSTITUTE** will facilitate the collection of fees on behalf of students.

3.4 Reimburse fee as applicable to the **COMPANY** as per agreed terms.

3.5 Ensure that all the participating students attend course classes as per schedule and all required infrastructure is made available for uninterrupted classes.

3.6 Institute would ensure that all students are regular in attendance.

## **4. Duration for this Agreement**

4.1 The duration of this Agreement shall be for a period of 5 years from the date of signing and If not renewed or amended in writing the same shall be considered as expired and/or terminated.

## **5. Termination**

5.1 This agreement shall take effect immediately on the execution of these presents. This agreement can be terminated by any party by a written letter giving one month notice period.

5.2 Upon expiry of the notice period this agreement will be terminated & both the parties will settle their accounts within one month of termination of this agreement.

5.3 Any notice request or other communication required or permitted to be given or made under this agreement to **INSTITUTE** or **COMPANY** shall be in writing. Such notice or request shall have been given or made when it shall have been delivered by hand, with a copy by facsimile, to the party to which it is addressed at such party's address specified below or at such other address as such party shall have designed by notice to the party for giving such notice or making such request:

**EXTOLTECH SOLUTION**  
159, Amman Complex, 2<sup>nd</sup> Floor,  
Mettur Road,  
Erode-638011.

**SENGUNTHAR ENGINEERING COLLEGE**  
(Autonomous)  
Kumaramangalam (Po),  
Tiruchengode,  
Namakkal Dist-637 205.

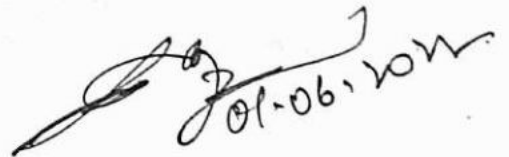
5.4 Nothing expect as otherwise specifically provided here in this agreement, shall bind each party's successors & permitted assignors.

5.5 The parties hereto acting themselves or through representative duly authorized, have caused this agreement to be signed in their respective names as of the day & year written above.



**CENTRE HEAD**

**EXTOLTECH SOLUTION,**  
159, Amman Complex, 2<sup>nd</sup> Floor,  
Mettur Road,  
Erode-638011.



01.06.2022

**SECRETARY & CORRESPONDENT**

**Sengunthar Engineering College (Autonomous)**

Kumaramangalam (Po),  
Tiruchengode,

Namakkal Dist-637 205.

SECRETARY & CORRESPONDENT,  
SENGUNTHAR ENGINEERING COLLEGE  
(AUTONOMOUS)  
TIRUCHENGODE - 637 205.

8/11/6

Place : Tiruchengode

Date : 01.06.2022



# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956

NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



Ref: SEC/VAC/2021-2022/02

Date: 30.05.2022

## Submitted to the Correspondent for Approval:

Sir,

Sub: Requesting permission for conducting value added courses - Reg.

We would like to bring to your kind consideration to accord approval to conduct the value added courses to the B.E. - II Year (Fourth Semester) students of all departments as per the curriculum. In this connection, MoUs are to be made between our Institution and Industries as Training Partner mentioned against respective Departments for mutual benefits on 01.06.2022.

INDUSTRY	DEPARTMENT	COURSE
EXTOLTECH SOLUTION, ERODE	CIVIL	SKETCHUP
EXTOLTECH SOLUTION, ERODE	CSE	PC HARDWARE TROUBLESHOOTING
EXTOLTECH SOLUTION, ERODE	ECE	MOBILE HARDWARE TROUBLESHOOTING
C-CUBE TECHNOLOGIES, ERODE	EEE	PCB DESIGN
EXTOLTECH SOLUTION, ERODE	MECH	SOLID WORKS

We request your permission for the same.

## Submitted by

## Forwarded by

1. S. ANAND KUMAR (S. Anand 30/5/22)
2. G. MOHESHKUMAR (G. Mohesh Kumar 30/5/22)
3. V. GOWTHAMAN (V. Gowthaman)
4. FOR K. PRASHANTH (K. Prashanth 30/5/22)
5. P. JAYDEESWARAN (P. Jayadeeswaran 30/5/22)

VAC I/C(s)

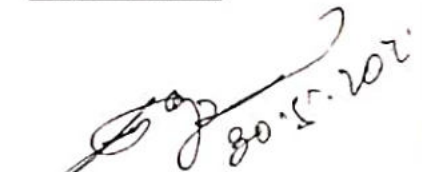
1. M. Seenirajan (M. Seenirajan 30/5/22)
2. M. SATHISH (M. Sathish 30/5/22)
3. Dr. C. Aarthi (Dr. C. Aarthi 30/5/22)
4. Dr. K. Umadevi (Dr. K. Umadevi 30/5/22)
5. N. THIRU SETHIL (N. Thiru Sethil 30/5/22)

HoD(s)

## Recommended by

## Approved by

  
 30/5/22  
 PRINCIPAL

  
 30.5.2022  
 CORRESPONDENT

Copy to:

1. Office File
2. IQAC



# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956

NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## APPROVAL FORM

### FOR THE CONDUCTION OF INTERNAL MODE EXAMS TO NON CREDITED COURSES (EEC & MDC)

Ref. No.: SEC/AC/CIA/2021-22/01

Date: 07.05.2022

Department	Civil Engineering	Year / Semester		II / IV		
Branch	Civil Engineering	Section		-		
Regulation	2019					
Course Code & Name	19MDC401 – Value Added Courses					
Category of Course	Employability Enhancement Course		Mandatory Course <input checked="" type="checkbox"/>			
Faculty Name(s)	Name	Designation		Department		
	Mr.S.Anand Kumar	Assistant Professor		Civil Engineering		
No. of Students in the Class	26					
Is Invigilation required?	No		No. of Invigilators required		Nil	
Mode of Exam	Pen and Paper	MCQ in Google Form	Oral Exam (Viva – Voce)	Demonstration <input checked="" type="checkbox"/>		
Duration	3 Hours					
Maximum Marks	100		Minimum Marks to Pass		50	
Question Pattern	CIA 1			CIA 2		CIA 3
	Part A	Part B	Part C	Part A	Part B	Part C
No. of Questions	-	-	-	-	-	-
Mark of Each Question	-	-	-	-	-	-
Total Mark	-	-	-	-	-	-
Weightage of this Internal Mode Exams	CIA 1			CIA 2		CIA 3
						100

Submitted by	Forwarded by	Recommended by	Approved by
Faculty	HOD(s)	Dean ( A )	Academic Council / MS Principal

Copy to :

1. COE
2. IQAC
3. Dept.File
4. Exam Cell





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19MDC401

VALUE ADDED COURSE – I  
(SKETCHUP SOFTWARE)

L T P C  
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## OBJECTIVES

The main objective of this course is to:

- Draw shapes and lines for move the surfaces back and forth for turning them into 3D forms quickly and accurately.
- Apply drawing scales and insert dimensions, graphics, further to learn the sketch up for building design applications.
- View and presenting models in 3D and also to make everyday shapes, 2– D plans, elevations and sections.
- Create rectangles, circles, polygons, arcs for moving, scaling and rotating objects with the process of applying, creating and editing materials.

## COURSE CONTENTS

3D – modeling using sketch up software.

**TOTAL: 15 PERIODS**

## OUTCOMES

Upon the completion of the course, the students will be able to:

- Apply basic 3D modeling and concepts to create simple building models.
- Create everyday shapes, from 2D plans, elevations; create rectangles, circles, polygons and arcs.
- Move, scale and rotate objects with processes of applying, creating and editing materials.
- Export in 2D, 3D and Map textures on straight and curved objects.

## TEXT BOOKS

1. Marcus Ritland, “3D Printing with SketchUp”.
2. Paul Lee, “Construction Documents Using SketchUp Pro 2020”.

## REFERENCES

1. Robert Lang, “Building Blocks of SketchUp”.
2. John Romeo, “Create Scenery & Props with SketchUp”.

## E-RESOURCES

1. [https://www.iit.edu/sites/default/files/2021-02/google\\_sketchup.pdf](https://www.iit.edu/sites/default/files/2021-02/google_sketchup.pdf)(SketchUp Introduction)
2. <https://www.naukri.com/learning/design-your-room-using-sketchup-course-udeml724> (Design your Room Using Sketchup)



COLLEGE NAME: SENGUNTHAR ENGINEERING COLLEGE

STARTING DATE: 10.06.2022

DEPARTMENT: CIVIL

ENDING DATE: 17.06.2022

YEAR: II<sup>nd</sup> YEAR

INCHARGE: S. ANAND KUMAR

PHONE NO.: 9655 7787 17

DAY	DATE	SYLLABUS	SIGNATURE	
			TRAINER	STAFF
1	10.6.22	Introduction to Sketch up GUI (Graphical User Interface) Template setting Screen Settings		
2	10.6.22	<u>Toolbars:</u>  ❖ UNIT ❖ PAN ❖ ZOOM ❖ ORBIT		
3	10.6.22	<u>Basic Tools:</u>  ❖ Line ❖ Freehand ❖ 2 point arc ❖ 3 point arc ❖ Pie ❖ Rectangle ❖ Rotated rectangle ❖ Circle		



	14-6-22	<ul style="list-style-type: none"> <li>❖ Polygon</li> <li>❖ Push/Pull</li> <li>❖ Groups</li> <li>❖ Components</li> <li>❖ Move</li> <li>❖ Rotate</li> <li>❖ Copy</li> <li>❖ Array</li> <li>❖ Polar Array</li> <li>❖ Follow me</li> <li>❖ Offset</li> <li>❖ Scale</li> <li>❖ Paint Bucket</li> <li>❖ Erase</li> <li>❖ Select</li> </ul>	<i>[Handwritten signature]</i>	<i>[Handwritten signature]</i>
4	14-6-22	<p><u>VIEWS:</u></p> <ul style="list-style-type: none"> <li>❖ Iso</li> <li>❖ Top Bottom</li> <li>❖ Front Back</li> <li>❖ Left Right</li> </ul> <p><u>STYLES:</u></p> <ul style="list-style-type: none"> <li>❖ Xray</li> <li>❖ Wireframe</li> <li>❖ Hidden Line</li> <li>❖ Shaded</li> <li>❖ Shaded With Texture</li> <li>❖ Monochrome</li> </ul>	<i>[Handwritten signature]</i>	<i>[Handwritten signature]</i>
5	14-6-22	<p><u>Solid tools</u></p> <ul style="list-style-type: none"> <li>❖ Outer shell</li> <li>❖ Intersect</li> <li>❖ Union</li> <li>❖ Subtract</li> <li>❖ Trim Split</li> </ul>	<i>[Handwritten signature]</i>	<i>[Handwritten signature]</i>



6	14-6-22	<b><u>Creating Materials</u></b> <ul style="list-style-type: none"> <li>❖ Apply materials</li> <li>❖ Create new material</li> <li>❖ Add patterns</li> </ul>	<i>[Signature]</i>	<i>[Signature]</i>
7	15-6-22	<b><u>Modeling :</u></b> <ul style="list-style-type: none"> <li>❖ Walls</li> <li>❖ Floors</li> <li>❖ Windows</li> <li>❖ Doors</li> <li>❖ Components</li> <li>❖ Roof</li> <li>❖ Landscape</li> </ul>	<i>[Signature]</i>	<i>[Signature]</i>
8	15-6-22	<b><u>Warehouse :</u></b> <ul style="list-style-type: none"> <li>❖ Download Models</li> <li>❖ Edit Models</li> <li>❖ Group vs Components</li> <li>❖ Scale</li> </ul>	<i>[Signature]</i>	<i>[Signature]</i>
9	15-6-22	<b><u>Section Plan :</u></b> <ul style="list-style-type: none"> <li>❖ Sections - Elevations</li> <li>❖ Display section plane</li> <li>❖ Display section cut</li> <li>❖ Display section fill</li> </ul>	<i>[Signature]</i>	<i>[Signature]</i>
10	16-6-22	<b><u>Sandbox :</u></b> <ul style="list-style-type: none"> <li>❖ From contour</li> <li>❖ From scratch</li> <li>❖ Smoove</li> <li>❖ Stamp</li> <li>❖ Drape</li> </ul>	<i>[Signature]</i>	<i>[Signature]</i>



# SketchUp



# Academy

		<ul style="list-style-type: none"> <li>❖ Add details</li> <li>❖ Flip edge</li> </ul>		
11	17-6-22	<p><b><u>V-RAY INTRODUCTION:</u></b></p> <p><b>V-RAY ASSET EDITOR</b></p> <p><b>V-RAY MATERIALS</b></p> <p><b>V-RAY LIGHTING</b></p> <ul style="list-style-type: none"> <li>❖ Rectangle light</li> <li>❖ Sphere light</li> <li>❖ Spot light</li> <li>❖ IES Light</li> <li>❖ Dome light</li> <li>❖ Mesh light</li> </ul>		
12	17-6-22	<p><b><u>Camera tools</u></b></p> <ul style="list-style-type: none"> <li>❖ Camera</li> <li>❖ Position camera</li> <li>❖ Walk</li> <li>❖ Look around</li> <li>❖ Add scene</li> <li>❖ Animation</li> </ul>		
13	17-6-22	<p><b><u>VRAY RENDERING</u></b></p> <p><b><u>IMPORT AND EXPORT</u></b></p> <p><b><u>PROJECT</u></b></p>		



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## DEPARTMENT OF CIVIL ENGINEERING 19MDC401-VALUE ADDED COURSE I (SKETCHUP SOFTWARE) ATTENDANCE SHEET

SL.NO	Reg. No.	Name of the Student	10.06.2022	14.06.2022	15.06.2022	16.06.2022	17.06.2022
1	202011001	DEEPAK BALU S	S. Deepak	S. Deepak	S. Deepak	S. Deepak	S. Deepak
2	202011002	JEYABHARATHI V	V. Jayabharathi	V. Jayabharathi	V. Jayabharathi	V. Jayabharathi	V. Jayabharathi
3	202011003	KAVIYARASAN S	S. Kant	S. Kant	S. Kant	S. Kant	S. Kant
4	202011004	SHIV KUMAR MALI	S. Kumar	S. Kumar	S. Kumar	S. Kumar	S. Kumar
5	202011005	THANIKAIVELAN G.S	G.S. Thirumala	G.S. Thirumala	G.S. Thirumala	G.S. Thirumala	G.S. Thirumala
6	202011006	UDHAYA A	A. Udhaya	A. Udhaya	A. Udhaya	A. Udhaya	A. Udhaya
7	202011302	BALASUBRAMANIAN M	M. Balasubramanian	M. Balasubramanian	M. Balasubramanian	M. Balasubramanian	M. Balasubramanian
8	202011303	BHARATH S V	S.V. Bharath	S.V. Bharath	S.V. Bharath	S.V. Bharath	S.V. Bharath
9	202011305	DHAMODARAN S	S. Dharmodaran	S. Dharmodaran	S. Dharmodaran	S. Dharmodaran	S. Dharmodaran
10	202011306	ELAVARASAN A	A. Elavarasan	A. Elavarasan	A. Elavarasan	A. Elavarasan	A. Elavarasan
11	202011307	KARTHIK C	C. Karthik	C. Karthik	C. Karthik	C. Karthik	C. Karthik
12	202011308	KISHORVENKAT S	S. Kishor Venkat	S. Kishor Venkat	S. Kishor Venkat	S. Kishor Venkat	S. Kishor Venkat

13	202011309	MOHAMED ABDUL FAROOK A	A. Farook	A. Farook	A. Farook	A. Farook	A. Farook
14	202011311	NANTHAKUMAR B	Antheluy	Antheluy	Antheluy	Antheluy	Antheluy
15	202011312	NAVEEN P	P. Naveen	P. Naveen	P. Naveen	P. Naveen	P. Naveen
16	202011313	NAVEENKUMAR M	M. Naveen	M. Naveen	M. Naveen	M. Naveen	M. Naveen
17	202011315	RAVIKRISHNA M.G	M.G. Ravi	M.G. Ravi	M.G. Ravi	M.G. Ravi	M.G. Ravi
18	202011316	SARATHI S	S. Sarathi	S. Sarathi	S. Sarathi	S. Sarathi	S. Sarathi
19	202011317	SARAVANAN V	V. Saravanan	V. Saravanan	V. Saravanan	V. Saravanan	V. Saravanan
20	202011318	SIRANJEEVI S	S. Siranjeevi	S. Siranjeevi	S. Siranjeevi	S. Siranjeevi	S. Siranjeevi
21	202011319	SURESH P	P. Suresh	P. Suresh	P. Suresh	P. Suresh	P. Suresh
22	202011320	VELAPRAVEEN T	T. Velapraveen	T. Velapraveen	T. Velapraveen	T. Velapraveen	T. Velapraveen

  
17/6/22  
VAC COORDINATOR

  
17/6/22  
STAFF I/C

  
17/6/22  
HoD



Sengunthar Engineering College(Autonomous) , Tiruchengode - 637 205

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UG/PG END SEMESTER EXAMINATIONS - APR / MAY 2022

Programme : B.E - CIVIL ENGINEERING

Batch : 2020

Name of the subject : Value Added Course - I

Subject code : 19MDC401

Semester : 4

Date & Session : 27-06-2022 - FN

S. No	Register No	Name of the candidates	Answer Book No	*Write AB for Absent	Signature of the candidate	Photo of the candidate
1	202011001	DEEPAK BALU S			S. Deepak	
2	202011002	JEYABHARATHI V			V. Jeba Bharathi	
3	202011003	KAVIYARASAN S			S. Kaviyarasan	
4	202011004	SHIV KUMAR MALI			S. Kumar	
5	202011005	THANIKAIVELAN G S			G.S. Thiruvani	
6	202011006	UDHAYA A			A. Udhaya	
7	202011302	BALASUBRAMANIAN M			M. Balasubramanian	
8	202011303	BHARATH S V			S.V. Bharath	
9	202011305	DHAMODARAN S			S. Dharmodaran	
10	202011306	ELAVARASAN A		AB		
11	202011307	KARTHIK C			C. Karthik	

Present : 10

Absent : 01

Total : 11

Certified that the following particulars have been verified:

\*Hall Superintendent should mark "AB" for Absent

1. The register No. of the attendance-sheet with that in the hall ticket.
2. The identification of the candidate with the photo given in hall ticket.
3. The answer book number entered in the attendance sheet by the candidate with the Serial No. on the Answer Book.

Signature of the Hall Superintendent with Name and Designation

Signature of the Chief Superintendent with Name and Designation

S. ANANDKUMAR  
AP/CIVIL

Signature of the Chief Superintendent with Name and Designation



Sengunthar Engineering College(Autonomous), Tiruchengode - 637 205  
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UG/PG END SEMESTER EXAMINATIONS - APR / MAY 2022

Programme : B.E - CIVIL ENGINEERING

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Date & Session : 27-06-2022 - FN

S. No	Register No	Name of the candidates	Answer Book No	*Write AB for Absent	Signature of the candidate	Photo of the candidate
12	202011308	KISHORVENKAT S			S. Kishor Venkat	
13	202011309	MOHAMED ABDUL FAROOK A		AB		
14	202011311	NANTHAKUMAR B			Nanthakumar	
15	202011312	NAVEEN P			P. Naveen	
16	202011313	NAVEENKUMAR M			M. Naveen Kumar	
17	202011315	RAVIKRISHNA M G			M. G. Ravi Krishna	
18	202011316	SARATHI S			S. Sarathi	
19	202011317	SARAVANAN V		AB		
20	202011318	SIRANJEEVI S			S. Siranjeevi	
21	202011319	SURESH P			P. Suresh	

Present : 08

Absent : 02

Total : 10

Certified that the following particulars have been verified:

\*Hall Superintendent should mark "AB" for Absent

1. The register No. of the attendance sheet with that in the hall ticket.
2. The identification of the candidate with the photo given in hall ticket.
3. The answer book number entered in the attendance sheet by the candidate with the Serial No. on the Answer Book.

S. Anand Kumar  
27/6/22

Internal Examiner  
Signature of the Hall Superintendent with Name  
and Designation

S. ANAND KUMAR  
AP/CIVIL

N. Senthil Kumar  
27/6/22

External Examiner  
Signature of the Officer Superintendent with Name  
and Designation



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UG/PG END SEMESTER EXAMINATIONS - APR / MAY 2022

Programme : B.E - CIVIL ENGINEERING

Batch : 2020

Name of the subject : Value Added Course - I

Subject code : 19MDC401

Semester : 4

Date & Session : 27-06-2022 - FN

S. No	Register No	Name of the candidates	Answer Book No	*Write AB for Absent	Signature of the candidate	Photo of the candidate
22	202011320	VELAPRAVEEN T				

Present : 01

Absent : -

Total : 01

Certified that the following particulars have been verified:

\*Hall Superintendent should mark "AB" for Absent

1. The register No. of the attendance sheet with that in the hall ticket.
2. The identification of the candidate with the photo given in hall ticket.
3. The answer book number entered in the attendance sheet by the candidate with the Serial No. on the Answer Book.

24/6/22

Internal Examiner

Signature of the Hall Superintendent with Name and Designation

S. ANAND KUMAR  
UP/CIVIL

24/6/22

External Examiner

Signature of the Chief Superintendent with Name and Designation



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : S. Deepak Bala Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

S. Deepak Bala  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : V. Joya Bharathi Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

V. Joya Bharathi  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : S. Karimyarajan Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

S. Karimyarajan  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : *Shiv Kumar mali* Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions:	

*S. Kumar*  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : GS Thirunavukarasu Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course - I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

GS Thirunavukarasu  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : *A. UDHAYA* Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	D
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions:	

Student's Signature



# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : Babasubramaniam Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	B
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	B
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	C
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : *S.V. Bharath* Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	B
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

*S.V. Bharath*

Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : Dharmodaran Academic Year: 2021-2022 (Even)


Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	D
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions:	

  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : Elavarasan A Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)

B-Good (3)

C-Satisfactory (2)

D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	B
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	B
4	Effectiveness of assignments/other activities given in the value added course	C
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

Elavarasan A.  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : C. KARTHIK Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from: Theory to Practical	B
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : S. Kishor Venkat Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course - I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions:	

S. Kishor Venkat  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : Abdul Taseem Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	B
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	C
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions: <u>Need more practice</u>	

M.A. Abdul  
Student's Signature



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TIRUCHENGODE - 637 205 NAMAKKAL (DI) TAMIL NADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : ANANDH VEDAR Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course - I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions: <i>The value added course is very useful for my future.</i>	

*Anandh Vedar*  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

Department of Civil Engineering

Student's Name : P. PAVAN Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course - I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	D
2	The course contents are illustrated with adequate practical examples	D
3	Associative level of learning from Theory to Practical	E
4	Effectiveness of assignments/other activities given in the value added course	D
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : M. Navon Kumar Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	C
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	C
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

Department of Civil Engineering

Student's Name : M. G. Ravi Krishna Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

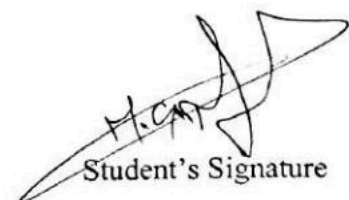
A-Very Good (4)

B-Good (3)

C-Satisfactory (2)

D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:  Useful to improve our skill	

  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : M. G. Ravi Krishna Academic Year: 2021-2022 (Even)

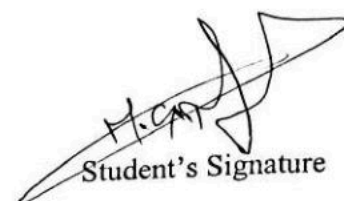
Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:  Useful to improve our skill	

  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : Saravanan V Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	B
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	B
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions: <u>Short key Manual may be provide.</u>	

V. Saravanan.  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : *P. Sivanjari* Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)

B-Good (3)

C-Satisfactory (2)

D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	<i>A</i>
2	The course contents are illustrated with adequate practical examples	<i>B</i>
3	Associative level of learning from Theory to Practical	<i>A</i>
4	Effectiveness of assignments/other activities given in the value added course	<i>A</i>
5	The competencies and skills developed from the Value added course are relevant to industry needs	<i>C</i>
6	Regularity and Punctuality and competency of the course instructor	<i>A</i>
7	The Interaction and Individual attention given by the course instructor	<i>A</i>
8	The outcome of the course exposes new knowledge and practices	<i>A</i>
9	Relevance of the Value added course content towards employability and entrepreneurship	<i>A</i>
10	Any other suggestions: <i>What I say, It's very useful, and learn more thing. are here. Thank for giving me this opportunity. (Thank you)</i>	

*[Signature]*  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Civil Engineering

Student's Name : SURESH . P Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course – I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

Department of Civil Engineering

Student's Name : VELP PRAVEEN Academic Year: 2021-2022 (Even)

Degree/Branch/Semester : B.E./Civil/IV Course Duration (Hrs):

Name of the Value added Course : 19MDC401/ Value Added Course - I (Sketchup)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions:	

  
Student's Signature



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DEPARTMENT OF CIVIL ENGINEERING

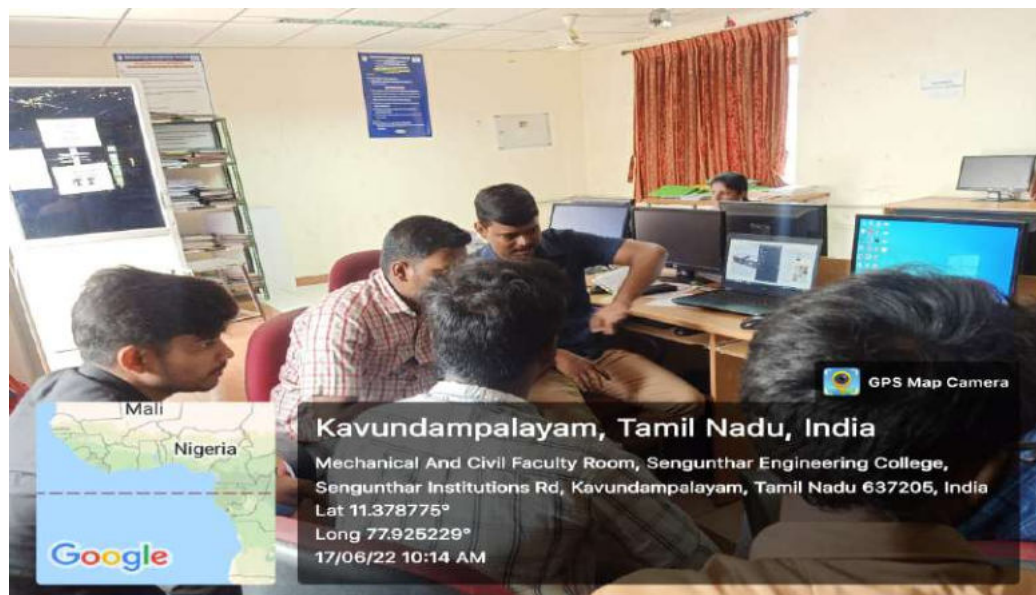
## PROGRAMME PHOTOGRAPH WITH GEOTAG

PROGRAMME TITLE : VALUE ADDED COURSE – I (SKETCHUP)

Academic Year : 2021-2022

Semester : EVEN

Date / Period : 10.06.2022 to 17.06.2022



*[Signature]*  
17.6.22

Co-ordinator

*[Signature]*  
17/6.22

HOD



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## DEPARTMENT OF CIVIL ENGINEERING

### CONTINUOUS INTERNAL ASSESSMENT 3

Academic Year: 2021 - 2022(Even)

Year/Sem: II/IV

Subject code/Subject Name: 19MDC401 / Value Added Course-I (SKETCHUP)

S.No.	Reg. No.	Name of the Student	Marks statement				
			Concept (30)	Implentation/ Presentation (60)	Viva Voce (10)	Total (100)	Remarks
1	202011001	DEEPAK BALU S	28	58	8	94	Completed
2	202011002	JEYABHARATHI V	26	57	9	92	Completed
3	202011003	KAVIYARASAN S	25	55	6	86	Completed
4	202011004	SHIV KUMAR MALI	28	57	8	93	Completed
5	202011005	THANIKAIVELAN G.S	28	58	9	95	Completed
6	202011006	UDHAYA A	26	56	9	91	Completed
7	202011302	BALASUBRAMANIAN M	25	55	6	86	Completed
8	202011303	BHARATH S V	22	55	5	82	Completed
9	202011305	DHAMODARAN S	26	56	9	91	Completed
10	202011306	ELAVARASAN A	←	ABSENT	→		Not completed
11	202011307	KARTHIK C	28	57	8	93	Completed



# SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



12	202011308	KISHORVENKAT S	28	58	9	95	Completed
13	202011309	MOHAMED ABDUL FAROOK A	←	ABSENT	→		Not completed
14	202011311	NANTHAKUMAR B	25	55	6	86	Completed
15	202011312	NAVEEN P	26	56	6	88	Completed
16	202011313	NAVEENKUMAR M	26	56	8	90	Completed
17	202011315	RAVIKRISHNA M.G	24	52	6	82	Completed
18	202011316	SARATHI S	24	58	7	89	Completed
19	202011317	SARAVANAN V	←	ABSENT	→		Not completed
20	202011318	SIRANJEEVI S	25	55	7	87	Completed
21	202011319	SURESH P	22	54	8	84	Completed
22	202011320	VELAPRAVEEN T	27	55	8	90	Completed

S. Anand  
27/6/22

INTERNAL EXAMINER

S. ANAND KUMAR  
[APRIVIL]

N. Gobinath  
27/6/22  
EXTERNAL EXPERT

N. GOBINATH  
SR. DESIGN ENGINEER.  
[EXTOLTECH SOLUTION]



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## CONTINUOUS INTERNAL ASSESSMENT 3 – APR/MAY 2022

### 19MDC401 – VALUE ADDED COURSE – I (SKETCHUP)

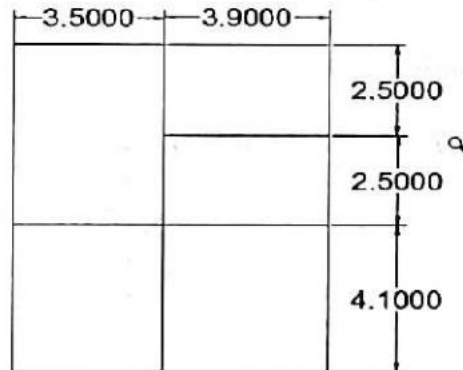
#### Practical Questions

Branch/Year/Semester: Civil / II / IV

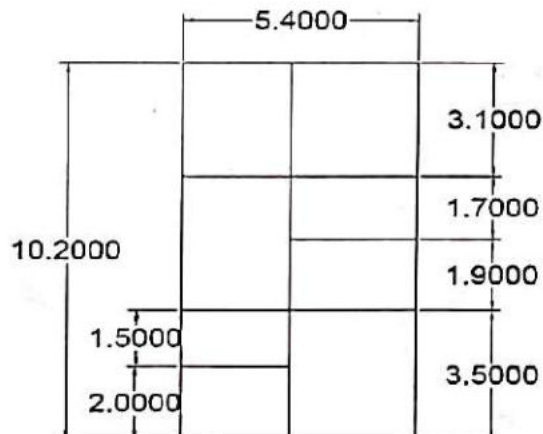
Date: 19.11.2022

Concept	Implementation / Presentation	Viva Voce	Total
30	60	10	100

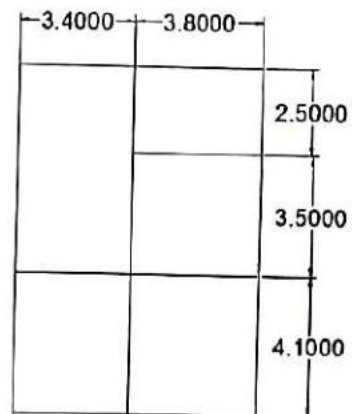
1.Design the given plan using Sketchup software.



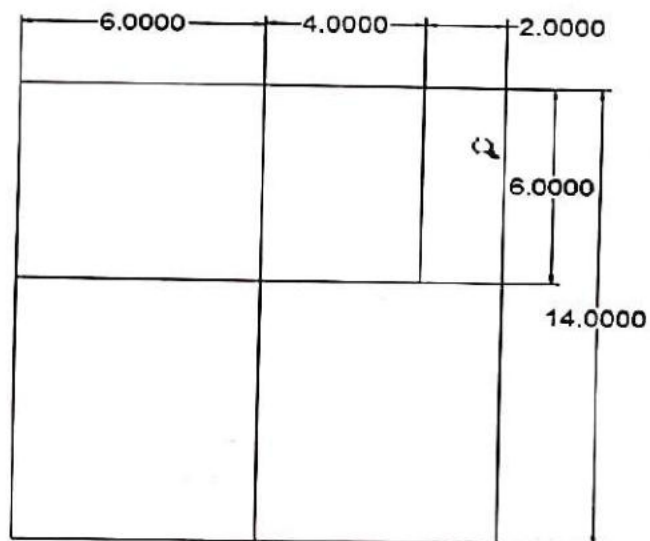
2.Design the given plan using Sketchup software.



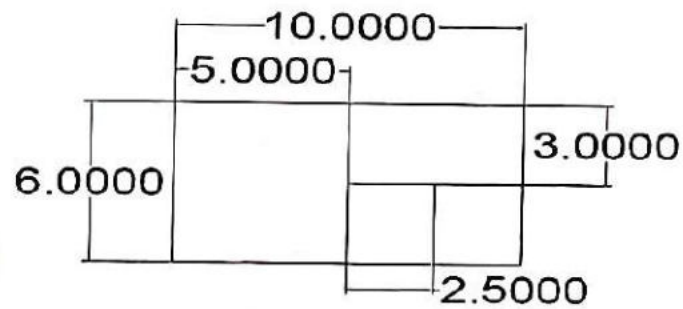
3.Design the given plan using Sketchup software.



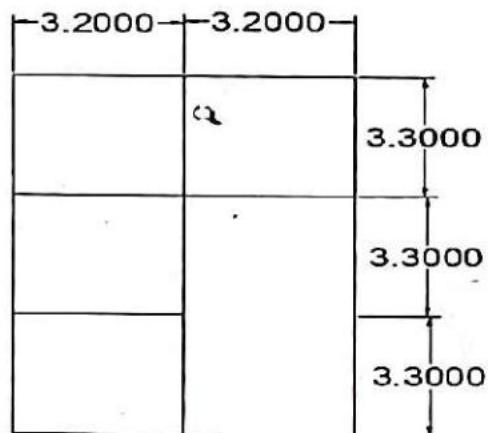
4.Design the given plan using Sketchup software.



5.Design the given plan using Sketchup software.



6.Design the given plan using Sketchup software.



*S. Anand*  
27/6/22

INTERNAL EXAMINER

S. ANAND KUMAR  
(AP/CIVIL)

*N. Gobinath*  
27/6/22

EXTERNAL EXAMINER  
(TECHNICAL EXPERT)

N. GOBINATH  
SR. DESIGN ENGINEER  
(ARTOL TECH SOLUTION)

# CERTIFICATE OF Appreciation



DATE: **25-06-2022**



This is to certify that **DEEPAK BALU S**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



**MSME**  
MINISTRY OF SMALL & MEDIUM ENTERPRISES  
भारत छोड़ो भारत छोड़ो

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002631**

Authorised Signature



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वीरम मास्टर - कुशल मास्टर



**PMKVY**  
PRASHANTH MATHI KALSHAL VIJAY YOUNG



IT - ITeS SSC  
NASSCOM



AICTE INTERNSHIP



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OF

## Appreciation



DATE: **25-06-2022**



This is to certify that **JEYABHARATHI V**  
**II year Civil Engineering** from **Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
has successfully completed the **SKETCHUP** Course  
conducted by **Extol Tech Solution, Erode.**  
from **10-06-22 to 17-06-22**



Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

CERTIFICATE ID : A002632

Authorised Signature





# CERTIFICATE OF Appreciation



DATE: **25-06-2022**



**This is to certify that KAVIYARASAN S**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



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महान, लघु व मध्यम उद्यम

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002633**

Authorised Signature



  
**CERTIFICATE**  
OF  
**Appreciation**

DATE: **25-06-2022**



**This is to certify that SHIV KUMAR MALI**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



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महानिगम - भारत सरकार

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002634**

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# CERTIFICATE OF Appreciation



DATE: **25-06-2022**



**This is to certify that **THANIKAIVELAN G S**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the **SKETCHUP** Course**  
**conducted by **Extol Tech Solution, Erode.****  
**from **10-06-22 to 17-06-22******



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**CERTIFICATE ID : A002635**

Authorised Signature



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DATE: **25-06-2022**



**This is to certify that **UDHAYA A**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the **SKETCHUP** Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22****



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**CERTIFICATE ID : A002636**

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# CERTIFICATE OF Appreciation

DATE: **25-06-2022**



**This is to certify that **BALASUBRAMANIAN M**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the **SKETCHUP** Course**  
**conducted by **Extol Tech Solution, Erode.****  
**from **10-06-22 to 17-06-22******



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Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002637**

A handwritten signature in black ink, appearing to read 'Sundar'.

Authorised Signature



**Skill India**  
कौशल भारत - कृशम भारत



**PMKVY**  
PRASHANTHAKUMAR EALANAL VIKAS YODHAKA



**IT - ITeS SSC**  
**NASSCOM**



**AICTE**  
**INTERNSHIP**



# CERTIFICATE OF Appreciation



DATE: **25-06-2022**



**This is to certify that BHARATH S V**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



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Reg. No.: TN07E0021273

**CERTIFICATE ID : A002638**

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# CERTIFICATE OF Appreciation



DATE: **25-06-2022**



**This is to certify that DHAMODARAN S**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



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Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002639**

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शिक्षण भारत - कुशल भारत



**PMKVY**  
PRADHAN MANTRI KAUSHAL VIDYAS YODANA

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NASSCOM





# CERTIFICATE OF Appreciation



DATE: **25-06-2022**



**This is to certify that ELAVARASAN A**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



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Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002640**

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# CERTIFICATE OF Appreciation

DATE: **25-06-2022**



**This is to certify that KARTHIK C**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



Ministry of MSME Gov. of India  
Reg. No.: TT 07E0021273

**CERTIFICATE ID : A002641**

A handwritten signature in black ink, appearing to read 'Indul', written over a light blue horizontal line.

Authorised Signature



  
**CERTIFICATE**  
OF  
*Appreciation*

DATE: **25-06-2022**



**This is to certify that KISHORVENKAT S**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



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भारत सरकार द्वारा नियंत्रित

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Reg. No.: TN07E0021273

**CERTIFICATE ID : A002642**

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**Skill India**  
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**PMKVY**  
PRACHIN MANTRI KALSHAL VIRAS YODANA

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# CERTIFICATE OF Appreciation

DATE: **25-06-2022**



**This is to certify that MOHAMED ABDUL FAROOK**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002643**

A handwritten signature in black ink, appearing to read 'Indel'.

Authorised Signature





# CERTIFICATE OF Appreciation



DATE: **25-06-2022**



**This is to certify that NANTHAKUMAR B**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



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Ministry of MSME Govt. of India  
Reg.No.:TN07E0021273

**CERTIFICATE ID : A002644**

Authorised Signature



# CERTIFICATE OF Appreciation

DATE: **25-06-2022**



**This is to certify that **NAVEEN P****  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the **SKETCHUP** Course**  
**conducted by **Extol Tech Solution, Erode.****  
**from **10-06-22 to 17-06-22****



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एन.ए. और म.म. उद्योग

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002645**

A handwritten signature in black ink, appearing to read 'Sudesh'.

Authorised Signature



# CERTIFICATE OF Appreciation

DATE: **25-06-2022**



**This is to certify that **NAVEENKUMAR M**  
**II year Civil Engineering** from **Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the **SKETCHUP** Course**  
**conducted by **Extol Tech Solution, Erode.****  
**from **10-06-22 to 17-06-22******



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MSME, SKILL & MEDIAN ENTERPRISES  
एन.एस.एम.ई. एन.एस.एम.ई.

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002646**

A handwritten signature in black ink, appearing to read "Sundar".

Authorised Signature



# CERTIFICATE OF Appreciation

DATE: **25-06-2022**



**This is to certify that **RAVIKRISHNA M G**  
**II year Civil Engineering** from **Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the **SKETCHUP** Course**  
**conducted by **Extol Tech Solution, Erode.****  
**from **10-06-22 to 17-06-22******



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GOVT. OF INDIA

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002647**

A handwritten signature in black ink, appearing to read "Sundar".

Authorised Signature



**Skill India**  
सकल शिक्षा - कुशल भवितुम्



**PMKVY**  
PRIME MINISTER'S KISAN VIGYAN YODHA

**IT - ITeS SSC**  
NASSCOM



# CERTIFICATE OF Appreciation

DATE: **25-06-2022**



**This is to certify that SARATHI S**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



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Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002648**

A handwritten signature in black ink, appearing to read 'Sudesh'.

Authorised Signature





# CERTIFICATE OF Appreciation



DATE: **25-06-2022**



**This is to certify that SARAVANAN V**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



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विद्यया ऽमृतमश्नुते

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002649**

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# CERTIFICATE OF Appreciation

DATE: **25-06-2022**



**This is to certify that **SIRANJEEVI S**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the **SKETCHUP** Course**  
**conducted by **Extol Tech Solution, Erode.****  
**from **10-06-22 to 17-06-22******



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Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002650**

A handwritten signature in black ink, likely belonging to an authorized official.

Authorised Signature



# CERTIFICATE OF Appreciation

DATE: **25-06-2022**



**This is to certify that SURESH P**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



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एन. एम. एस. उद्यम

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002651**

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**Skill India**  
कौशल धारा - कुशल धारा



**PMKVY**  
PRADHAN MANTRI KAUSHAL YOGA Yojana



IT - ITes SSC  
NASSCOM



AICTE INTERNSHIP

# CERTIFICATE OF Appreciation

DATE: **25-06-2022**



**This is to certify that VELAPRAVEEN T**  
**II year Civil Engineering from Sengunthar**  
**Engineering College (Autonomous) Tiruchengode**  
**has successfully completed the SKETCHUP Course**  
**conducted by Extol Tech Solution, Erode.**  
**from 10-06-22 to 17-06-22**



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Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A002652**

Authorised Signature



*Submitted to The Coordinator Sir*

*Dr. B. G. / 21*

2021

4I

Institution-Industry-Instructor-

Interaction

## CAD/CAM/CAE/PPM/Software/Networking/Embedded Training Program Proposal



Software

Networking

Embedded

Mechanical CAD

Civil CAD

Electrical CAD

Project Planning &  
Management

Multimedia

Interior Design

**CL****COVER LETTER**

From

06.09.2021

EXTOL TECH SOLUTION,  
159, Amman Complex, 2<sup>nd</sup> Floor,  
Mettur Road, Land Mark Near Hotel Regency,  
Erode-638011.

To

The Principal,  
Sengunthar Engineering College (Autonomous),  
Tiruchengode – 637 205

Dear Sir,

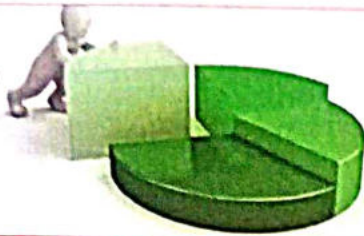
Enclosed herewith is a formal proposal for the establishment of 4I- Institution Industry Instructor Interaction Adoption Program. The main objective of this is to help students connect with CAD/CAM/CAE/PPM/Software/Networking/Embedded/Multimedia Project Management Skills, thus bridging the gap between academic and the industry

I trust and agree that this collaborative project can make a genuine impact for the students in the field CAD/CAM/CAE/PPM/Software/Networking/Embedded/Multimedia through effective combination of monitoring, focused curriculum and career exploration for through assessment of opportunities in the marketplace and a detailed plan. I look forward to the possibility of working with you to make 4I a success in the coming months and years. Along with this, list of the courses and fees.

Kindly go through and opt which suit you best. Hope you will get impressed and proposed with us. I am eager very eagerly waiting for your response and contact us as soon as possible at (0424) 4031055, 9965631055, 9087179955.

Thanks &amp; Regards,

  
Project Manager

**KH**

## KEY HIGHLIGHTS

- In house technical expertise
- Helping students connect with 21<sup>st</sup> Century skills.
- Providing quality education at reasonable cost.
- Fostering innovative learning in the academic environment
- Coming resources to help drive change in education
- Placement assistance
- Scholarship
- New product updates through technical seminars
- Increase in employment opportunities.
- Best Curriculum to emphasize on the topics which are developed at par with the industry standards.
- Project will submit after completion of the course.
- To produce skilled manpower
- To produce ability to work as part of a Industrial team.
- To strong analytical mind
- Increased team efficiency by implementing Agile methodology
- Bridging the gap between Academia and Industry.

## VALUE ADDED TRAINING

SL.NO	SOFTWARE DETAIL	DURATION IN HOURS	TRAINING FEES PER STUDENT (RS.)
1	WEB TECHNOLOGY	50	1500
2	ANSYS	50	1500
3	MICRO PYTHON	50	1500
4	STAAD PRO	50	1500





# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956

NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



Ref: SEC/VAC/2021-2022/01

Date: 08.09.2021

## Submitted to the Correspondent for Approval:

Sir,

Sub: Requesting permission for conducting value added courses - Reg.

We would like to bring to your kind consideration to accord approval to conduct the value added courses to the B.E. - III year (fifth semester) students of all departments as per the curriculum. In this connection, MoUs are to be made between our Institution and Industries as Training Partner mentioned against respective Departments for mutual benefits on 13.09.2021.

INDUSTRY	DEPARTMENT	COURSE
EXTOLTECH SOLUTION, ERODE	CIVIL	STAAD PRO
EXTOLTECH SOLUTION, ERODE	CSE	WEB TECHNOLOGY
EXTOLTECH SOLUTION, ERODE	ECE	MICRO PYTHON
C-CUBE TECHNOLOGIES, ERODE	EEE	ELECTRICAL CAD
EXTOLTECH SOLUTION, ERODE	MECH	ANSYS

We request your permission for the same.

## Submitted by

1. S. ANAND KUMAR [S. Anand Kumar] 8/9/21
2. G. MOHESHKUMAR [G. Mohesh Kumar] 8/9/21
3. V. GOWTHAMAN [V. Gowthaman] 8/9/21
4. A. TAMILSELVAN [A. Tamilselvan] 8/9/21
5. P. JANADEESWARAN [P. Janadeeswaran] 8/9/21

VAC I/C(s)

## Recommended by

*[Signature]*  
22/09/2021  
PRINCIPAL

Copy to:

1. Office File
2. IQAC

## Forwarded by

1. M. Seenirajan [M. Seenirajan] 08/9/21
2. Dr. M. SAKTHIVEL [Dr. M. Sakthivel] 8/9/21
3. Dr. C. AARTHS [Dr. C. Arths] 8/9/21
4. Dr. K. Umadevi [Dr. K. Umadevi] 8/9/2021
5. N. Thiruv Senthil Adhiban [N. Thiruv Senthil Adhiban] 8.9.21.  
HoD(s)

## Approved by

*[Signature]*  
08.09.2021  
CORRESPONDENT

**Memorandum of Understanding**  
**Between**  
**Sengunthar Engineering College (Autonomous), Tiruchengode**  
**And**  
**EXTOLTECH SOLUTION, Erode.**

This Agreement is made on 13.09.2021 between  
**Sengunthar Engineering College (Autonomous), Tiruchengode**  
**And**  
**EXTOLTECH SOLUTION, Erode.**

Sengunthar Engineering College (Autonomous) is a leading educational institute in Tiruchengode providing various Degree programs approved by AICTE, hereinafter referred as INSTITUTE.

And

EXTOLTECH SOLUTION having its office at 159, Amman Complex, Mettur Road, Erode - 639001. EXTOLTECH SOLUTION specializes in software development on all Softwares, hereinafter referred as COMPANY.

**1. Now therefore both the parties hereby agree as follows:**

- 1.1 COMPANY** will conduct CAD, CAM, CAE, Software and Networking Courses for students of INSTITUTE at Institute premises by providing specialized and certified Faculty Members.
- 1.2 Both parties** will create better awareness and products of all softwares for better employability of participants at INSTITUTE.
- 1.3 COMPANY** in consultation with INSTITUTE, will create and refine courses as per current software program, industry demands and accreditation requirements.
- 1.4 COMPANY** will support for final year students placements.
- 1.5 Course fee & reimbursement** will be as per ANNEXURE - 1

## **2. Responsibility of Company**

- 2.1 Provide Faculty with requisite knowledge and experience in teaching the Courses. Company will ensure substitute faculty of similar specialization, as per requirement.

## **3. Responsibility of the Institute**

- 3.1 Provide requisite infrastructure to conduct course, like Classrooms, Computer Hardare/Software, Computer Projector, black/white board, power, power backup and other necessary equipments.
- 3.2 INSTITUTE will register students in Course by adequate information to all relevant engineering streams.
- 3.3 INSTITUTE will collect the course fee or any other fee pursuant to this Agreement from participating students in advance. INSTITUTE will facilitate the collection of fees on behalf of students.
- 3.4 Reimburse fee as applicable to COMPANY as per agreed terms.
- 3.5 Ensure that all the participating students attend Course Classes as per schedule and all Required infrastructure is made available for uninterrupted classes.
- 3.6 Institute would ensure that all students are regular in attendance.

## **4. Duration for this Agreement**

- 4.1 The duration of this Agreement shall be for a period of 5 years from the date of signing and If not renewed or amended in writing the same shall be considered as expired and/or terminated.

## **5. Termination**

- 5.1 This agreement shall take effect immediately on the execution of these presents. This agreement can be terminated by any party by a written letter giving one month notice period.
- 5.2 Upon expiry of the notice period this agreement will be terminated & both the parties will settle their accounts within one month of termination of this agreement.

5.3 Any notice request or other communication required or permitted to be given or made under this agreement to INSTITUTE or COMPANY shall be in writing. Such notice or request shall have been given or made when it shall have been delivered by hand, with a copy by facsimile, to the party to which it is addressed at such party's address specified below or at such other address as such party shall have designated by notice to the party for giving such notice or making such request:

**ETOLTECH SOLUTION,**

159, Annam Complex, 2<sup>nd</sup> Floor,

Mettur Road,

Erode-638111.

**Sengunthar Engineering College**

(Autonomous)

Kumarasangam (Po),

Tiruchengode,

Namakkal Dist-637 215.

5.4 Nothing except as otherwise specifically provided here in this agreement, shall bind each party's successors & permitted assignors.

5.5 The parties hereto acting themselves or through representative duly authorized, have caused this agreement to be signed in their respective names as of the day & year written above.



**CENTRE HEAD**

**ETOLTECH SOLUTION,**

159, Annam Complex, 2<sup>nd</sup> Floor,

Mettur Road,

Erode-638111.



Place : Tiruchengode

Date : 13/09/2021



**SECRETARY & CORRESPONDENT**

**Sengunthar Engineering College (Autonomous)**

Kumarasangam (Po),

Tiruchengode,

Namakkal Dist-637 215.

**SECRETARY & CORRESPONDENT,  
SENGUNTHAR ENGINEERING COLLEGE  
TIRUCHENGODE - 637 215.**

Annexure I

**INSTITUTE OFFER**

SL.NO	SOFTWARE DETAILS	DURATION IN HOURS	TRAINING FEES PER STUDENT (RS.)
1.	STAAD PRO	50	1500
2.	WEB TECHNOLOGY	50	1500
3.	MICRO PYTHON	50	1500
4.	ANSYS	50	1500

**Terms and Conditions:**

1. 50% of Training fees will be paid on commencement of the course and balance.  
50% of Training fees will be paid at the time of completion of course.
2. The availed offer for the successive course is strictly only for enrolled students.



**CENTRE HEAD**

**EXTOLTECH SOLUTION,  
159, Amman Complex, 2<sup>nd</sup> Floor,  
Mettur Road,  
Erode-638011.**



Place : Tiruchengode

Date : 13.09.2021

 13.9.2021

**SECRETARY & CORRESPONDENT**

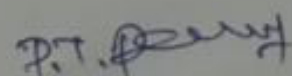
**Sengunthar Engineering College  
(Autonomous)  
Kumaramangalam (Po),  
Tiruchengode,  
Namakkal Dist-637 205.**

**SECRETARY & CORRESPONDENT.  
SENGUNTHAR ENGINEERING COLLEGE,  
TIRUCHENGODE - 637 205.**

<b>COURSE NAME:</b> MICROPYTHON WITH ESP32	<b>STAFF NAME:</b> PRABHU PT	
<b>YEAR &amp; DEPT:</b> III YEAR & ECE	<b>EMAIL ID:</b>	<b>STARTING DATE:</b> 20-12-2021
<b>COLLEGE NAME:</b> SENGUNTHAR ENGINEERING COLLEGE, T.Code	<b>CONTACT NO:</b>	<b>ENDING DATE:</b> 28-12-2021

### ESP32 WITH MICROPYTHON PROJECTS

S.No	STUDENTS NAME	PROJECTS COMPLETED
1	Karthi.S	Led blinking & LED chaser with ESP32 & Micropython
2	Mohan.A	LED brightness control by PWM with ESP32 & Micropython
3	N. Prasanth	PIR sensor interfacing by interrupt with ESP32 & Micropython
4	R. Saravanan	LED control by Timers with ESP32 & Micropython
5	M.Rameshkumar	Interfacing DHT11 sensor with ESP32 & Micropython
6	Arulkumar.A	Interfacing ultrasonic sensor with ESP32 & Micropython
7	Dharanidharan	Designing a portable distance meter with ESP32 & Micropython
8	B. Dinakaran	Interfacing a 16x2 LCD by using I2C with ESP32 & Micropython
9	S.M.Chandni	Designing a portable distance meter with ESP32 & Micropython
10	P. Nisanthi	LED control with webserver by using with ESP32 & Micropython
11	N. Priya	Implementing a Wi-Fi access point with ESP32 & Micropython
12	S.V. Sweatha	Smart car programming with ESP32 & Micropython
13	S. Priyadharshini	OTA firmware update by web repl with ESP32 & Micropython
14	V.Abirami	Making a home automation project with blynk IOT cloud server

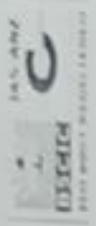
P.T.   
ETS ACADEMY



# SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

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Recognized Under Section 2(F) & 12(BB) of the UGC Act, 1956  
NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (DT) TAMILNADU



## CONTINUOUS INTERNAL ASSESSMENT -III

Department of Electronics and Communication Engineering

Academic Year 2021 - 2022  
Year/Sem III/V

Subject code/Subject Name 19MDC501 / Value Added Course-II (MICROPYTHON)

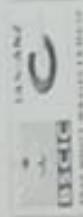
Roll No. / Reg. No.	Name of the Student	Attendance for value added course						
		DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6	DAY 7
201914001	ABIRAMI V	Att	Att	Att	Att	Att	Att	Att
201914002	ARULKUMAR A	Att	Att	Att	Att	Att	Att	Att
201914003	CHANDNI S M	Att	Att	AB	Att	Att	Att	Att
201914004	DHARANIDHARAN S	Att	Att	Att	Att	Att	Att	Att
201914005	DHINAKARAN B	Att	Att	Att	Att	Att	Att	Att
201914006	KARTHI S	Att	Att	Att	Att	Att	Att	Att
201914007	MOHAN A	Att	Att	Att	Att	Att	Att	Att
201914008	NISHANTHI P	Att	Att	Att	AB	Att	Att	Att



# SENGUNTHAR ENGINEERING COLLEGE

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HOD (C) 2019

TIRUCHENGODE - 637 205 NAMAKKAL (DT) TAMILNADU



201914009	PRASANTH N	N. Prasad	N. Prasad	N. Prasad	N. Prasad	N. Prasad
201914010	PRIYA N	N. Prasad	N. Prasad	N. Prasad	N. Prasad	N. Prasad
201914011	PRİYADHARSHINI S	S. Prasad	S. Prasad	S. Prasad	S. Prasad	S. Prasad
201914012	RAMESHKUMAR M	M. Prasad	M. Prasad	M. Prasad	M. Prasad	M. Prasad
201914013	SARAVANAN R	R. Prasad	R. Prasad	R. Prasad	R. Prasad	R. Prasad
201914014	SWEATHA S V	S.V. Prasad	S.V. Prasad	S.V. Prasad	S.V. Prasad	S.V. Prasad
TOTAL NO OF STUDENTS		14	14	14	14	14
NO OF PRESENT		14	13	13	14	14
NO OF ABSENT		NIL	NIL	01	NIL	NIL

V. G. S.

INCHARGE

20/11/2019

HOD

College Name: Sengunthar Engineering College

Year &amp; Branch:

[illegible]

COURSE NAME:		STAFF NAME: PRADHU PT	
MICROPYTHON WITH ESP32			
STUDENT NAME:	DEPT:	EMAIL ID:	STARTING DATE:
COLLEGE NAME:	YEAR:	CONTACT NO:	ENDING DATE:

### LEVEL - I BASICS OF ESP-32 & MICROPYTHON

SESSION NO	DATE	SYLLABUS	THEORY	LAB	TIME		SIGNATURE	
					IN	OUT	STUDENT	STAFF
1	20/12	<ul style="list-style-type: none"> <li>Introduction to Various Microcontroller Development Boards &amp; Its Features</li> <li>Introduction MicroPython with ESP32 Board</li> <li>Introduction to Thony IDE</li> <li>Flashing MicroPython Firmware on ESP32 Board</li> </ul>	✓	✓			L. Prathap S. Carthi B. Chaitanya R. Sankar M. Rishabh S. S. Sathya D. S. Sathya R. S. Sathya N. S. Sathya S. S. Sathya S. S. Sathya	✓
2	20/12	<ul style="list-style-type: none"> <li>Led Blink with MicroPython on ESP32 Board</li> <li>Led Chaser with MicroPython on ESP32 Board</li> </ul>	✓	✓			S. S. Sathya V. S. Sathya S. S. Sathya M. Rishabh P. S. Sathya S. S. Sathya	✓
3	21/12	<ul style="list-style-type: none"> <li>Button Controlled LED with MicroPython on ESP32 Board</li> <li>Analog to Digital with MicroPython on ESP32 board</li> <li>Introduction to PWM</li> </ul>	✓	✓			S. Carthi B. Chaitanya M. Rishabh S. S. Sathya P. S. Sathya S. S. Sathya	✓
4	21/12	<ul style="list-style-type: none"> <li>LED fade with PWM and MicroPython on ESP32 Board</li> <li>Brightness control of Led with PWM by Potentio Meter and MicroPython on ESP32 Board</li> </ul>	✓	✓			S. S. Sathya S. S. Sathya V. S. Sathya N. S. Sathya A. S. Sathya	✓

### LEVEL-II SENSORS WITH ESP-32 & MICROPYTHON

5	22/12	<ul style="list-style-type: none"> <li>External Interrupt with MicroPython on ESP32 Board</li> </ul>	✓	✓			1-10/12 1-10/12 1-10/12 1-10/12 1-10/12	
6	22/12	<ul style="list-style-type: none"> <li>Timer with MicroPython on ESP32 Board</li> </ul>	✓	✓			1-10/12 1-10/12 1-10/12 1-10/12 1-10/12	✓
7	23/12	<ul style="list-style-type: none"> <li>Interfacing DHT11 Temperature &amp; Humidity Sensor using MicroPython on ESP32 Board</li> </ul>	✓	✓			1-10/12 1-10/12 1-10/12 1-10/12 1-10/12	
8	23/12	<ul style="list-style-type: none"> <li>Interfacing HC-SR04 Ultrasonic Sensor by using MicroPython on ESP32 Board</li> <li>Measuring Speed of Sound by using HC-SR04 Ultrasonic Sensor</li> </ul>	✓	✓			1-10/12 1-10/12 1-10/12 1-10/12 1-10/12	✓
9	23/12	<ul style="list-style-type: none"> <li>Designing a Distance Meter by using HC-SR04 Ultrasonic Sensor</li> </ul>	✓	✓			1-10/12 1-10/12 1-10/12 1-10/12 1-10/12	

### LEVEL-III DISPLAYS WITH ESP-32 & MICROPYTHON

10	23/12	<ul style="list-style-type: none"> <li>Interfacing 16x2 LCD Display by using MicroPython on ESP32 Board</li> <li>Interfacing OLED Display by using MicroPython on ESP32 Board</li> </ul>	✓	✓			1-10/12 1-10/12 1-10/12 1-10/12 1-10/12	
11		<ul style="list-style-type: none"> <li>Display DHT11 Temperature &amp; Humidity Data by using 16x2 LCD &amp; ESP32 Board</li> <li>Interfacing 16x2 LCD using I2C Protocol</li> </ul>	✓	✓			1-10/12 1-10/12 1-10/12 1-10/12 1-10/12	✓

12	<ul style="list-style-type: none"> <li>Creating a Portable Distance Meter by using 16x2 LCD &amp; ESP32 Board</li> </ul>	✓	✓				S. Prasad B. Subashini N. Prasad	
<b>LEVEL-IV IOT WITH ESP-32 &amp; MICROPYTHON</b>								
13	<ul style="list-style-type: none"> <li>Webserver introduction with MicroPython on ESP32 Board</li> <li>Hello World! Web Server with MicroPython on ESP32 Board</li> </ul>	✓	✓				C. Anand B. Subashini P. Prasad N. Prasad S. Subashini	✓
14	<ul style="list-style-type: none"> <li>LED Control with Webserver by using MicroPython on ESP32 Board</li> </ul>						N. Prasad P. Prasad A. Anand S. Subashini N. Prasad	
15	<ul style="list-style-type: none"> <li>RGB Led Control with ESP32 &amp; MicroPython</li> </ul>						S. Subashini N. Prasad	✓
16	<ul style="list-style-type: none"> <li>Control Servo Motor with ESP32 &amp; MicroPython</li> </ul>						R. Suresh K. Anand N. Prasad S. Subashini P. Prasad	
17	<ul style="list-style-type: none"> <li>Creating a Wi-Fi Hotspot &amp; Wi-Fi Client with ESP32 &amp; MicroPython</li> </ul>						P. Prasad N. Prasad S. Subashini	
18	<ul style="list-style-type: none"> <li>OTA Firmware update with MicroPython on ESP32</li> </ul>						N. Prasad S. Subashini P. Prasad	✓
19	<ul style="list-style-type: none"> <li>Making a Home Automation project with Blynk Server &amp; IFTTT Server by using ESP32 &amp; MicroPython</li> </ul>						S. Subashini P. Prasad N. Prasad A. Anand	✓
20	<ul style="list-style-type: none"> <li>Implementing Voice assistant Controlled Home Automation using Google Voice Assistant with MicroPython on ESP32 Board</li> </ul>						N. Prasad P. Prasad S. Subashini A. Anand R. Suresh	✓



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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : V. Abirami Academic Year : 2021-2022  
Degree/Branch/Semester : B.E/ECE / V Course Duration (Hrs) : 50 hrs  
Name of the Value added Course : Micropython

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	NO

  
Student's Signature



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TIRUCHENGODE - 637 205 NAMAKKAL (DI) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : *Ahoul kumar. A* Academic Year : *2021-2022*

Degree/Branch/Semester : *BE (ECE) V* Course Duration (Hrs) : *60 HRS*

Name of the Value added Course : *Micro Python*

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	<i>A</i>
2	The course contents are illustrated with adequate practical examples	<i>A</i>
3	Associative level of learning from Theory to Practical	<i>A</i>
4	Effectiveness of assignments/other activities given in the value added course	<i>A</i>
5	The competencies and skills developed from the Value added course are relevant to industry needs	<i>A</i>
6	Regularity, Punctuality and competency of the course instructor	<i>A</i>
7	The Interaction and Individual attention given by the course instructor	<i>A</i>
8	The outcome of the course exposes new knowledge and practices	<i>A</i>
9	Relevance of the Value added course content towards employability and entrepreneurship	<i>A</i>
10	Any other suggestions:	<i>Very useful class</i>

Student's Signature



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TIRUCHENGODE - 637 205 NAMAKKAL (DI) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : Mohan . A Academic Year : 2021 - 2022

Degree/Branch/Semester : BE/ECE/V Course Duration (Hrs) : 50

Name of the Value added Course : Micropython

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity ,Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions: Take the long duration session in class. Then needed projection to take class.	

  
Student's Signature



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(AUTONOMOUS)

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TIRUCHENGODE - 637 205 NAMAKKAL (DI) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : S.V. Sweatha Academic Year : 2021-2022

Degree/Branch/Semester : BE/ECE/V Course Duration (Hrs) : 50 Hrs

Name of the Value added Course : Micropython

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	No

S.V. Sweatha.  
Student's Signature



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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : Rameshkumar M Academic Year : 2021-2022

Degree/Branch/Semester : B.E/ECE/IV<sup>th</sup> Course Duration (Hrs) : 50 Hrs

Name of the Value added Course : MicroPython

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions:	NO

M. Rameshkumar

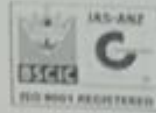
Student's Signature



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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : *B. Dhinakaran* Academic Year : *2021 - 2022*

Degree/Branch/Semester : *B.E / ECE / V* Course Duration (Hrs) : *50 hrs*

Name of the Value added Course : *Micropython*

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	<i>A</i>
2	The course contents are illustrated with adequate practical examples	<i>A</i>
3	Associative level of learning from Theory to Practical	<i>A</i>
4	Effectiveness of assignments/other activities given in the value added course	<i>A</i>
5	The competencies and skills developed from the Value added course are relevant to industry needs	<i>A</i>
6	Regularity, Punctuality and competency of the course instructor	<i>B</i>
7	The Interaction and Individual attention given by the course instructor	<i>B</i>
8	The outcome of the course exposes new knowledge and practices	<i>B</i>
9	Relevance of the Value added course content towards employability and entrepreneurship	<i>B</i>
10	Any other suggestions: <i>Take the long duration class and Needed to projector</i>	

*B. Dhinakaran*

Student's Signature



# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

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NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (DI) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : N. Praveen Academic Year : 2021 - 2022

Degree/Branch/Semester : B.E. ECE / 3 Course Duration (Hrs) : 50

Name of the Value added Course : Micro python

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

SL No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions: I need a long time duration in value added classes and I need to Projector.	

N. Praveen

Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : S. Karthi Academic Year : 2021-2022  
Degree/Branch/Semester : B.E (ECE) IV Course Duration (Hrs) : 50  
Name of the Value added Course : Micro python

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions: I need a long time duration for the course.	

Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : N. Rujya Academic Year : 2

Degree/Branch/Semester : B.E / ECE / V Course Duration (Hrs) :

Name of the Value added Course : Micropython

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	No

Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : Priyadharshini.s Academic Year :  
Degree/Branch/Semester : BE - ECE V sem Course Duration (Hrs) : 50 Hrs  
Name of the Value added Course : Micropython

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	NO

Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : Nishanthi-P Academic Year : 2021 - 2022  
Degree/Branch/Semester : B.E(ECE) V Course Duration (Hrs) : 50  
Name of the Value added Course : micropython

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	NO

P. Nishanthi  
Student's Signature



# SENGUNTHAR ENGINEERING COLLEGE

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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : Chandni S.M Academic Year : 2021

Degree/Branch/Semester : BE [ECE] 3<sup>rd</sup> year Course Duration (Hrs) : 50 hrs

Name of the Value added Course : micropython

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	NO

Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : Mohan . A Academic Year : 2021 - 2022

Degree/Branch/Semester : B.E / ECE / V Course Duration (Hrs) : 50

Name of the Value added Course : Micro python

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)

B-Good (3)

C-Satisfactory (2)

D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity ,Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions: Take the long duration class and needed to projector	

Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : DHARANIDHARAN.S Academic Year : 2021-2022  
Degree/Branch/Semester : B.E - ECE / V Course Duration (Hrs) : 50 Hrs  
Name of the Value added Course : Micro python

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	No

  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : Saravanan.R Academic Year : 2021-2022

Degree/Branch/Semester : BE/ECE/ I<sup>st</sup> Course Duration (Hrs) : 50 Hrs

Name of the Value added Course : Macrophysics

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions: Need a Projector to explain and we need a some more time for the course.	

Student's Signature

COURSE NAME: MICROPYTHON WITH ESP32	STAFF NAME: PRABHU PT	
YEAR & DEPT: III YEAR & ECE	EMAIL ID:	STARTING DATE: 20-12-2021
COLLEGE NAME: SENGUNTHAR ENGINEERING COLLEGE, T.Code	CONTACT NO:	ENDING DATE: 28-12-2021

### ESP32 WITH MICROPYTHON PROJECTS

S.No	STUDENTS NAME	PROJECTS COMPLETED
1	Karthi.S	Led blinking & LED chaser with ESP32 & Micropython
2	Mohan.A	LED brightness control by PWM with ESP32 & Micropython
3	N. Prasanth	PIR sensor interfacing by interrupt with ESP32 & Micropython
4	R. Saravanan	LED control by Timers with ESP32 & Micropython
5	M.Rameshkumar	Interfacing DHT11 sensor with ESP32 & Micropython
6	Arulkumar.A	Interfacing ultrasonic sensor with ESP32 & Micropython
7	Dharanidharan	Designing a portable distance meter with ESP32 & Micropython
8	B. Dinakaran	Interfacing a 16x2 LCD by using I2C with ESP32 & Micropython
9	S.M.Chandni	Designing a portable distance meter with ESP32 & Micropython
10	P. Nisanthi	LED control with webserver by using with ESP32 & Micropython
11	N. Priya	Implementing a Wi-Fi access point with ESP32 & Micropython
12	S.V. Sweatha	Smart car programming with ESP32 & Micropython
13	S. Priyadharshini	OTA firmware update by web repl with ESP32 & Micropython
14	V.Abirami	Making a home automation project with blynk IOT cloud server

*Dr. Prabu*

ETS ACADEMY

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**This is to certify that ABIRAMI V, III year  
Electronics and Communication Engineering  
from Sengunthar Engineering College  
(Autonomous) Tiruchengode.  
has successfully completed the MICROPYTHON  
Course during the period from  
20-12-21 to 28-12-21 conducted by  
Extol Tech Solution, Erode.**



**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
Unit, 1st floor, 1st block, 1st floor

Ministry of MSME Govt. of India  
Reg. No. TN07E0021273

**CERTIFICATE ID : A08870**

A handwritten signature in black ink, appearing to read 'Sundar'.

Authorised Signature



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**PMKVY**  
PRIME MINISTER'S KISAN VIGYAN YAKSHAMA



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**This is to certify that ARULKUMAR.A, III year  
Electronics and Communication Engineering  
from Sengunthar Engineering College  
(Autonomous) Tiruchengode.  
has successfully completed the MICROPYTHON  
Course during the period from  
20-12-21 to 28-12-21 conducted by  
Extol Tech Solution, Erode.**



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**CERTIFICATE ID : A08871**

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**This is to certify that CHANDNI S M, III year  
Electronics and Communication Engineering  
from Sengunthar Engineering College  
(Autonomous) Tiruchengode.  
has successfully completed the MICROPYTHON  
Course during the period from  
20-12-21 to 28-12-21 conducted by  
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**CERTIFICATE ID : A08872**

  
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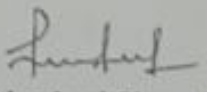


**This is to certify that DHARANIDHARAN.S,**  
**III year, Electronics and Communication**  
**Engineering from Sengunthar Engineering**  
**College (Autonomous) Tiruchengode.**  
**has successfully completed the MICROPYTHON**  
**Course during the period from**  
**20-12-21 to 28-12-21 conducted by**  
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**This is to certify that DHINAKARAN B,  
III year, Electronics and Communication  
Engineering from Sengunthar Engineering  
College (Autonomous) Tiruchengode.  
has successfully completed the MICROPYTHON  
Course during the period from  
20-12-21 to 28-12-21 conducted by  
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**CERTIFICATE ID : A08874**

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**III year, Electronics and Communication**  
**Engineering from Sengunthar Engineering**  
**College (Autonomous) Tiruchengode.**  
**has successfully completed the MICROPYTHON**  
**Course during the period from**  
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**CERTIFICATE ID : A08875**

A handwritten signature in black ink, likely of the authorized signatory.

Authorised Signature



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This is to certify that **MOHAN A**  
**III year, Electronics and Communication**  
**Engineering from Sengunthar Engineering**  
**College (Autonomous) Tiruchengode.**  
**has successfully completed the MICROPYTHON**  
**Course during the period from**  
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**CERTIFICATE ID : A08876**

A handwritten signature in black ink, appearing to read 'Sundar'.

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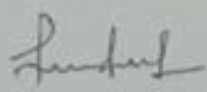


**This is to certify that NISHANTHI P**  
**III year, Electronics and Communication**  
**Engineering from Sengunthar Engineering**  
**College (Autonomous) Tiruchengode.**  
**has successfully completed the MICROPYTHON**  
**Course during the period from**  
**20-12-21 to 28-12-21 conducted by**  
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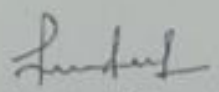
**This is to certify that PRASANTH N**  
**III year, Electronics and Communication**  
**Engineering from Sengunthar Engineering**  
**College (Autonomous) Tiruchengode.**  
**has successfully completed the MICROPYTHON**  
**Course during the period from**  
**20-12-21 to 28-12-21 conducted by**  
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**CERTIFICATE ID : A08878**

  
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skshamata karm - kshamata karm



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PRATYAKHA MANOJ KALANIDHI VIKRANT YOUNG TRAINING

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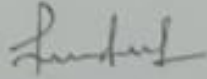


This is to certify that **PRIYA N**  
**III year, Electronics and Communication**  
**Engineering from Sengunthar Engineering**  
**College (Autonomous) Tiruchengode.**  
**has successfully completed the MICROPYTHON**  
**Course during the period from**  
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DATE: **08-01-2022**



**This is to certify that PRIYADHARSHINI S**  
**III year, Electronics and Communication**  
**Engineering from Sengunthar Engineering**  
**College (Autonomous) Tiruchengode.**  
**has successfully completed the MICROPYTHON**  
**Course during the period from**  
**20-12-21 to 28-12-21 conducted by**  
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Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A08880**

A handwritten signature in black ink, appearing to read 'Sunder', written over a light blue horizontal line.

Authorised Signature



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विद्यया ऽमृतमश्नुते



**PMKVY**  
PROFESSOR-MOTIVATOR KIOSK VOUCHER YOUTH



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DATE: **08-01-2022**



**This is to certify that RAMESHKUMAR.M**  
**III year, Electronics and Communication**  
**Engineering from Sengunthar Engineering**  
**College (Autonomous) Tiruchengode.**  
**has successfully completed the MICROPYTHON**  
**Course during the period from**  
**20-12-21 to 28-12-21 conducted by**  
**Extol Tech Solution, Erode.**



**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
govt. of india

Ministry of MSME Govt. of India  
Reg. No. TN07E0021273

**CERTIFICATE ID : A08881**

A handwritten signature in black ink, appearing to read 'Sundar'.

Authorised Signature



**Skill India**  
skilled india - prosper india



**PMKVY**  
PRIME MINISTER'S KISAN VIGYAN YAKSHAMA



IT - ITeS SSC  
NASSCOM



AICTE INTERNSHIP

# CERTIFICATE OF Appreciation

DATE: **08-01-2022**



**This is to certify that SARAVANAN R**  
**III year, Electronics and Communication**  
**Engineering from Sengunthar Engineering**  
**College (Autonomous) Tiruchengode.**  
**has successfully completed the MICROPYTHON**  
**Course during the period from**  
**20-12-21 to 28-12-21 conducted by**  
**Extol Tech Solution, Erode.**



**MSME**  
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES  
GOVT. OF INDIA

Ministry of MSME Govt. of India  
Reg. No. TN07E0021273

**CERTIFICATE ID : A08882**

A handwritten signature in black ink, appearing to read 'Sundar'.

Authorised Signature



**Skill India**  
असतो मा सद्गमय



**PMKVY**  
PRATYAKSHA MANOJ VEDARANTH

**IT - ITes SSC**  
NASSCOM



# CERTIFICATE OF Appreciation

DATE: **08-01-2022**



**This is to certify that SWEATHA S V**  
**III year, Electronics and Communication**  
**Engineering from Sengunthar Engineering**  
**College (Autonomous) Tiruchengode.**  
**has successfully completed the MICROPYTHON**  
**Course during the period from**  
**20-12-21 to 28-12-21 conducted by**  
**Extol Tech Solution, Erode.**



Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A08883**

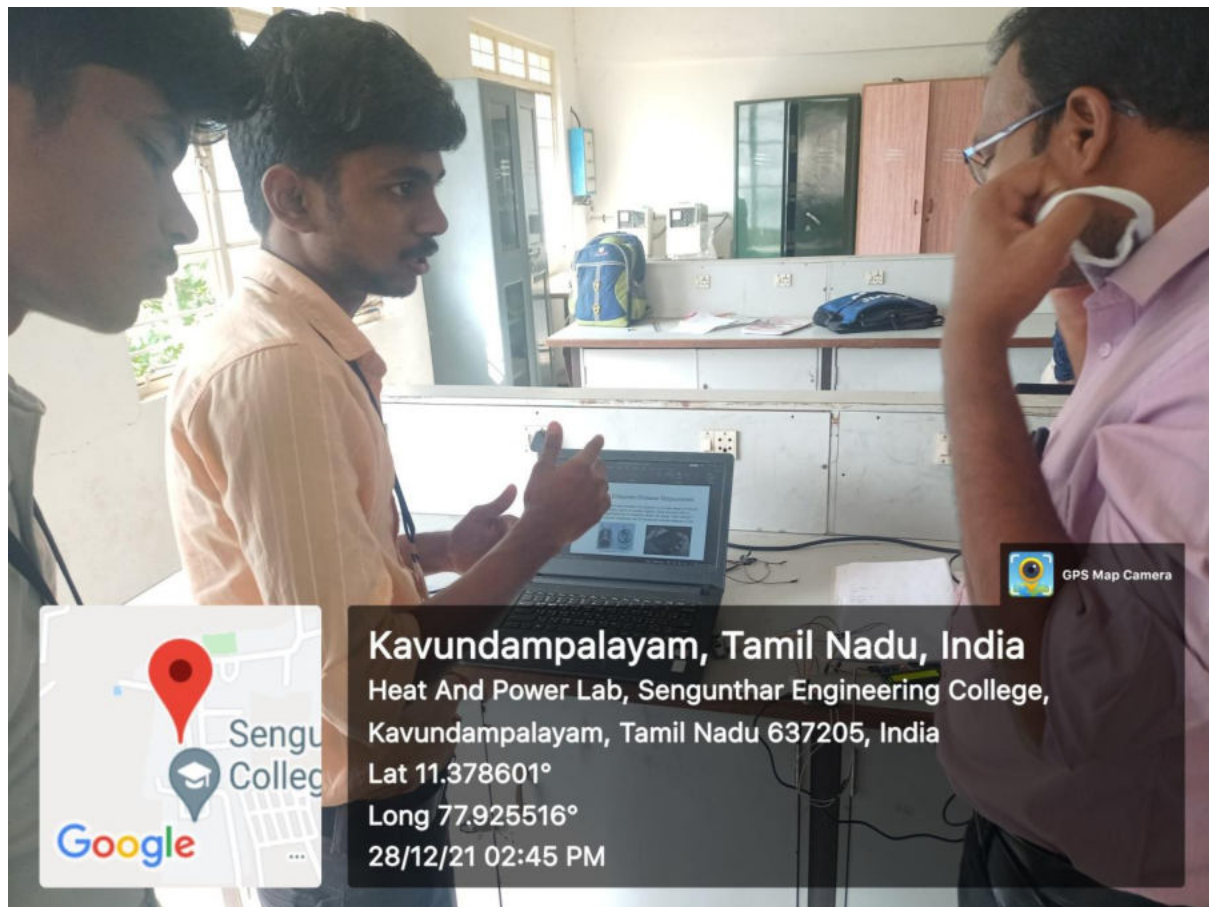
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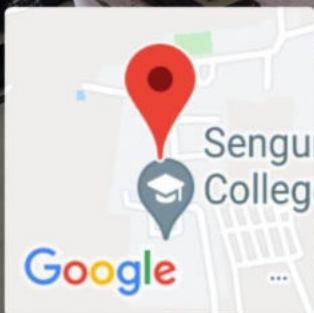
Authorised Signature





vac





**Kavundampalayam, Tamil Nadu, India**

ECE Block, Library Rd, Kavundampalayam, Tamil Nadu 637205,  
India

Lat 11.378533°

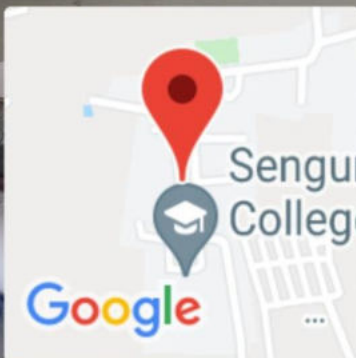
Long 77.925658°

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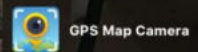


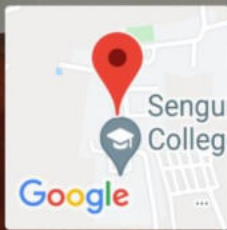
**SENGUNTHAR ENGINEERING COLLEGE**  
Tiruchengode - 637 205  
**DEPARTMENT OF ECE**  
**ELECTRONIC SYSTEM DESIGN LABORATORY**  
**List of Experiments**

5. Design of Wireless data modem.  
Design a FSK modulator using 555XR 2204 and convert it to sine wave using filter and transmit the same using IR LED and demodulate the same PLL ME 950 XR 2212.
6. PCB layout design using CAD. Drawing the schematic of simple electronic circuit and design of PCB layout using CAD.
7. Microcontroller based systems design  
Design of microcontroller based system for simple applications like security systems combination lock.
8. DSP based system design  
Design a DSP based system for echo cancellation, using TMS320C42 DSP kit.
9. Pseudo-random Sequence Generator
10. Arithmetic Logic Unit Design



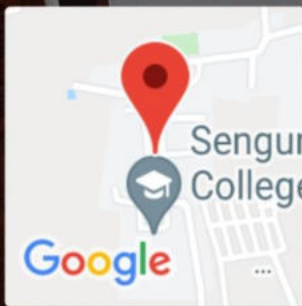
**Kavundampalayam, Tamil Nadu, India**  
ECE Block, Library Rd, Kavundampalayam, Tamil  
Nadu 637205, India  
Lat 11.378572°  
Long 77.925709°  
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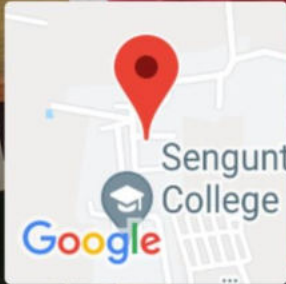


**Kavundampalayam, Tamil Nadu, India**  
ECE Block, Library Rd, Kavundampalayam, Tamil Nadu 637205,  
India  
Lat 11.378565°  
Long 77.925689°  
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**Kavundampalayam, Tamil Nadu, India**  
ECE Block, Library Rd, Kavundampalayam, Tamil  
Nadu 637205, India  
Lat 11.378576°  
Long 77.925769°  
28/12/21 02:22 PM



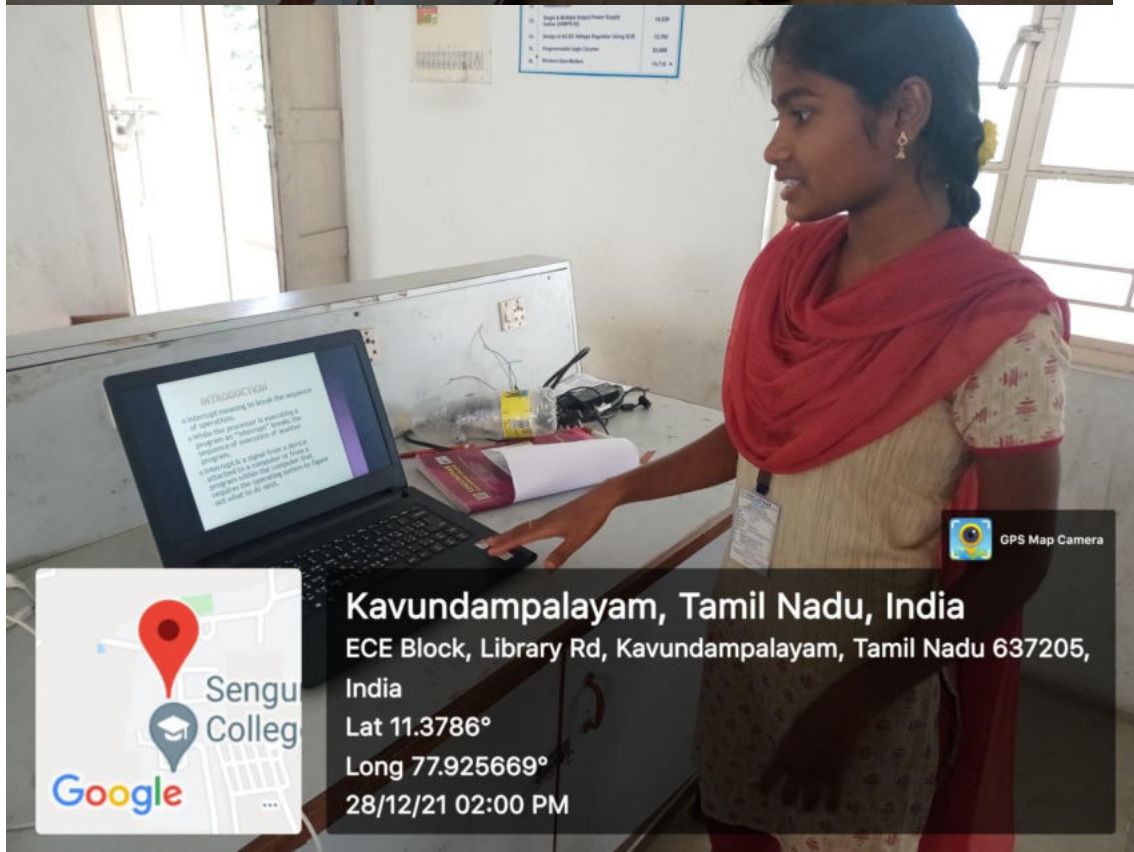
**Kavundampalayam, Tamil Nadu, India**

Admin And Server Room, Sengunthar Institutions Rd,  
Kavundampalayam, Tamil Nadu 637205, India

Lat 11.37904°

Long 77.926066°

28/12/21 02:16 PM

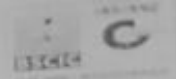




# SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

(Approved to AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Recognized under Section 2(f) & 2(g) of the UGC Act, 1956  
NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (DT) TAMILNADU



## CONTINUOUS INTERNAL ASSESSMENT -III

Department of Electronics and Communication Engineering

Academic Year 2021 - 2022

Date 28/12/2021

Year/Sem III/IV

Subject code/Subject Name 19MDC501 / Value Added Course-II (MICROPYTHON)

Reg. No.	Name of the Student	MARKS ALLOTTED (100)			MARKS OBTAINED
		CODING (50)	IMPLEMENTATION/ TESTING(25)	VIVA VOCE(25)	TOTAL(100)
201914001	ABIRAMI V	49	25	25	99
201914002	ARULKUMAR A	48	25	23	96
201914003	CHANDNI S M	47	24	25	96
201914004	DHARANIDHARAN S	49	25	25	99
201914005	DHINAKARAN B	47	24	24	95
201914006	KARTHI S	49	25	25	99
201914007	MOHAN A	49	24	23	96
201914008	NISHANTHI P	50	23	22	95
201914009	PRASANTH N	50	25	21	96
201914010	PRIYA N	46	25	25	96
201914011	PRIYADHARSHINI S	49	24	24	97
201914012	RAMESHKUMAR M	46	24	23	95
201914013	SARAVANAN R	49	23	22	94
201914014	SWEATHA S V	48	24	24	96

V. Gauthaman  
28/12/2021

INTERNAL EXAMINER

V. GOWTHAMAN  
AP/ECF

P.T. Prashu

EXTERNAL EXAMINER

(TECHNICAL EXPERT)

P.T. PRASHU

ETS ACADEMY

*Submitted to The Coordinator Sir*

*Dr. B. G. S.*

2021

4I

Institution-Industry-Instructor-

Interaction

## CAD/CAM/CAE/PPM/Software/Networking/Embedded Training Program Proposal



Software

Networking

Embedded

Mechanical CAD

Civil CAD

Electrical CAD

Project Planning &  
Management

Multimedia

Interior Design

**CL****COVER LETTER**

From

06.09.2021

EXTOL TECH SOLUTION,  
159, Amman Complex, 2<sup>nd</sup> Floor,  
Mettur Road, Land Mark Near Hotel Regency,  
Erode-638011.

To

The Principal,  
Sengunthar Engineering College (Autonomous),  
Tiruchengode – 637 205

Dear Sir,

Enclosed herewith is a formal proposal for the establishment of 4I- Institution Industry Instructor Interaction Adoption Program. The main objective of this is to help students connect with CAD/CAM/CAE/PPM/Software/Networking/Embedded/Multimedia Project Management Skills, thus bridging the gap between academic and the industry

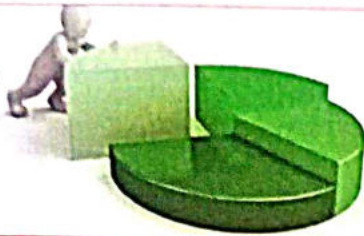
I trust and agree that this collaborative project can make a genuine impact for the students in the field CAD/CAM/CAE/PPM/Software/Networking/Embedded/Multimedia through effective combination of monitoring, focused curriculum and career exploration for through assessment of opportunities in the marketplace and a detailed plan. I look forward to the possibility of working with you to make 4I a success in the coming months and years. Along with this, list of the courses and fees.

Kindly go through and opt which suit you best. Hope you will get impressed and proposed with us. I am eager very eagerly waiting for your response and contact us as soon as possible at (0424) 4031055, 9965631055, 9087179955.

Thanks & Regards,

  
Project Manager



**KH**

## KEY HIGHLIGHTS

- In house technical expertise
- Helping students connect with 21<sup>st</sup> Century skills.
- Providing quality education at reasonable cost.
- Fostering innovative learning in the academic environment
- Coming resources to help drive change in education
- Placement assistance
- Scholarship
- New product updates through technical seminars
- Increase in employment opportunities.
- Best Curriculum to emphasize on the topics which are developed at par with the industry standards.
- Project will submit after completion of the course.
- To produce skilled manpower
- To produce ability to work as part of a Industrial team.
- To strong analytical mind
- Increased team efficiency by implementing Agile methodology
- Bridging the gap between Academia and Industry.

## VALUE ADDED TRAINING

SL.NO	SOFTWARE DETAIL	DURATION IN HOURS	TRAINING FEES PER STUDENT (RS.)
1	WEB TECHNOLOGY	50	1500
2	ANSYS	50	1500
3	MICRO PYTHON	50	1500
4	STAAD PRO	50	1500





# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956

NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



Ref: SEC/VAC/2021-2022/01

Date: 08.09.2021

## Submitted to the Correspondent for Approval:

Sir,

Sub: Requesting permission for conducting value added courses - Reg.

We would like to bring to your kind consideration to accord approval to conduct the value added courses to the B.E. - III year (fifth semester) students of all departments as per the curriculum. In this connection, MoUs are to be made between our Institution and Industries as Training Partner mentioned against respective Departments for mutual benefits on 13.09.2021.

INDUSTRY	DEPARTMENT	COURSE
EXTOLTECH SOLUTION, ERODE	CIVIL	STAAD PRO
EXTOLTECH SOLUTION, ERODE	CSE	WEB TECHNOLOGY
EXTOLTECH SOLUTION, ERODE	ECE	MICRO PYTHON
C-CUBE TECHNOLOGIES, ERODE	EEE	ELECTRICAL CAD
EXTOLTECH SOLUTION, ERODE	MECH	ANSYS

We request your permission for the same.

## Submitted by

1. S. ANAND KUMAR [S. Anand Kumar] 8/9/21
2. G. MOHESHKUMAR [G. Mohesh Kumar] 8/9/21
3. V. GOWTHAMAN [V. Gowthaman] 8/9/21
4. A. TAMILSELVAN [A. Tamil Selvan] 8/9/21
5. P. JANADEESWARAN [P. Janadeeswaran] 08/09/21

VAC I/C(s)

## Recommended by

*[Signature]*  
08/09/2021  
PRINCIPAL

Copy to:

1. Office File
2. IQAC

## Forwarded by

1. M. Seenirajan [M. Seenirajan] 08/9/21
2. Dr. M. SAKITHI VEL [Dr. M. Sakithi Vel] 8/9/21
3. Dr. C. AARTHS [Dr. C. Arths] 8/9/21
4. Dr. K. Umadevi [Dr. K. Umadevi] 8/9/2021
5. N. Thiru [N. Thiru] 8.9.21.  
(N. THIRU SENTHIL ADHIBAN)  
HoD(s)

## Approved by

*[Signature]*  
08.09.2021  
CORRESPONDENT

**Memorandum of Understanding**  
**Between**  
**Sengunthar Engineering College (Autonomous), Tiruchengode**  
**And**  
**EXTOLTECH SOLUTION, Erode.**

This Agreement is made on 13.09.2021 between  
**Sengunthar Engineering College (Autonomous), Tiruchengode**  
**And**  
**EXTOLTECH SOLUTION, Erode.**

Sengunthar Engineering College (Autonomous) is a leading educational institute in Tiruchengode providing various Degree programs approved by AICTE, hereinafter referred as INSTITUTE.

And

EXTOLTECH SOLUTION having its office at 159, Amman Complex, Mettur Road, Erode - 639001. EXTOLTECH SOLUTION specializes in software development on all Softwares, hereinafter referred as COMPANY.

**1. Now therefore both the parties hereby agree as follows:**

- 1.1 COMPANY** will conduct CAD, CAM, CAE, Software and Networking Courses for students of INSTITUTE at Institute premises by providing specialized and certified Faculty Members.
- 1.2 Both parties** will create better awareness and products of all softwares for better employability of participants at INSTITUTE.
- 1.3 COMPANY** in consultation with INSTITUTE, will create and refine courses as per current software program, industry demands and accreditation requirements.
- 1.4 COMPANY** will support for final year students placements.
- 1.5 Course fee & reimbursement** will be as per ANNEXURE - 1

## **2. Responsibility of Company**

- 2.1 Provide Faculty with requisite knowledge and experience in teaching the Courses. Company will ensure substitute faculty of similar specialization, as per requirement.

## **3. Responsibility of the Institute**

- 3.1 Provide requisite infrastructure to conduct course, like Classrooms, Computer Hardare/Software, Computer Projector, black/white board, power, power backup and other necessary equipments.
- 3.2 INSTITUTE will register students in Course by adequate information to all relevant engineering streams.
- 3.3 INSTITUTE will collect the course fee or any other fee pursuant to this Agreement from participating students in advance. INSTITUTE will facilitate the collection of fees on behalf of students.
- 3.4 Reimburse fee as applicable to COMPANY as per agreed terms.
- 3.5 Ensure that all the participating students attend Course Classes as per schedule and all Required infrastructure is made available for uninterrupted classes.
- 3.6 Institute would ensure that all students are regular in attendance.

## **4. Duration for this Agreement**

- 4.1 The duration of this Agreement shall be for a period of 5 years from the date of signing and If not renewed or amended in writing the same shall be considered as expired and/or terminated.

## **5. Termination**

- 5.1 This agreement shall take effect immediately on the execution of these presents. This agreement can be terminated by any party by a written letter giving one month notice period.
- 5.2 Upon expiry of the notice period this agreement will be terminated & both the parties will settle their accounts within one month of termination of this agreement.

5.3 Any notice request or other communication required or permitted to be given or made under this agreement to INSTITUTE or COMPANY shall be in writing. Such notice or request shall have been given or made when it shall have been delivered by hand, with a copy by facsimile, to the party to which it is addressed at such party's address specified below or at such other address as such party shall have designated by notice to the party for giving such notice or making such request:

**ETOLTECH SOLUTION,**

159, Annam Complex, 2<sup>nd</sup> Floor,

Mettur Road,

Erode-638111.

**Sengunthar Engineering College**

(Autonomous)

Kumarasangam (Po),

Tiruchengode,

Namakkal Dist-637 215.

5.4 Nothing except as otherwise specifically provided here in this agreement, shall bind each party's successors & permitted assignors.

5.5 The parties hereto acting themselves or through representative duly authorized, have caused this agreement to be signed in their respective names as of the day & year written above.



**CENTRE HEAD**

**ETOLTECH SOLUTION,**

159, Annam Complex, 2<sup>nd</sup> Floor,

Mettur Road,

Erode-638111.



Place : Tiruchengode

Date : 13/09/2021



**SECRETARY & CORRESPONDENT**

**Sengunthar Engineering College (Autonomous)**

Kumarasangam (Po),

Tiruchengode,

Namakkal Dist-637 215.

**SECRETARY & CORRESPONDENT,  
SENGUNTHAR ENGINEERING COLLEGE  
TIRUCHENGODE - 637 215.**

Annexure I

**INSTITUTE OFFER**

SL.NO	SOFTWARE DETAILS	DURATION IN HOURS	TRAINING FEES PER STUDENT (RS.)
1.	STAAD PRO	50	1500
2.	WEB TECHNOLOGY	50	1500
3.	MICRO PYTHON	50	1500
4.	ANSYS	50	1500

**Terms and Conditions:**

1. 50% of Training fees will be paid on commencement of the course and balance.  
50% of Training fees will be paid at the time of completion of course.
2. The availed offer for the successive course is strictly only for enrolled students.



**CENTRE HEAD**

**EXTOLTECH SOLUTION,  
159, Amman Complex, 2<sup>nd</sup> Floor,  
Mettur Road,  
Erode-638011.**



Place : Tiruchengode

Date : 13.09.2021

 13.9.2021

**SECRETARY & CORRESPONDENT**

**Sengunthar Engineering College  
(Autonomous)  
Kumaramangalam (Po),  
Tiruchengode,  
Namakkal Dist-637 205.**

**SECRETARY & CORRESPONDENT.  
SENGUNTHAR ENGINEERING COLLEGE,  
TIRUCHENGODE - 637 205.**

<b>COURSE NAME:</b> MICROPYTHON WITH ESP32	<b>STAFF NAME:</b> PRABHU PT	
<b>YEAR &amp; DEPT:</b> III YEAR & ECE	<b>EMAIL ID:</b>	<b>STARTING DATE:</b> 20-12-2021
<b>COLLEGE NAME:</b> SENGUNTHAR ENGINEERING COLLEGE, T.Code	<b>CONTACT NO:</b>	<b>ENDING DATE:</b> 28-12-2021

### ESP32 WITH MICROPYTHON PROJECTS

S.No	STUDENTS NAME	PROJECTS COMPLETED
1	Karthi.S	Led blinking & LED chaser with ESP32 & Micropython
2	Mohan.A	LED brightness control by PWM with ESP32 & Micropython
3	N. Prasanth	PIR sensor interfacing by interrupt with ESP32 & Micropython
4	R. Saravanan	LED control by Timers with ESP32 & Micropython
5	M.Rameshkumar	Interfacing DHT11 sensor with ESP32 & Micropython
6	Arulkumar.A	Interfacing ultrasonic sensor with ESP32 & Micropython
7	Dharanidharan	Designing a portable distance meter with ESP32 & Micropython
8	B. Dinakaran	Interfacing a 16x2 LCD by using I2C with ESP32 & Micropython
9	S.M.Chandni	Designing a portable distance meter with ESP32 & Micropython
10	P. Nisanthi	LED control with webserver by using with ESP32 & Micropython
11	N. Priya	Implementing a Wi-Fi access point with ESP32 & Micropython
12	S.V. Sweatha	Smart car programming with ESP32 & Micropython
13	S. Priyadharshini	OTA firmware update by web repl with ESP32 & Micropython
14	V.Abirami	Making a home automation project with blynk IOT cloud server

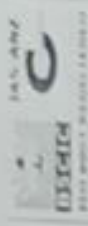
P.T. Prabhup  
ETS ACADEMY



# SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
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NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (DT) TAMILNADU



## CONTINUOUS INTERNAL ASSESSMENT -III

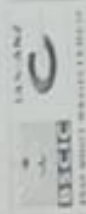
Department of Electronics and Communication Engineering

Academic Year 2021 - 2022

Year/Sem III/V

Subject code/Subject Name 19MDC501 / Value Added Course-II (MICROPYTHON)

Roll No. / Reg. No.	Name of the Student	Attendance for value added course						
		DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6	DAY 7
201914001	ABIRAMI V	Att	Att	Att	Att	Att	Att	Att
201914002	ARULKUMAR A	Att	Att	Att	Att	Att	Att	Att
201914003	CHANDNI S M	Att	Att	AB	Att	Att	Att	Att
201914004	DHARANIDHARAN S	Att	Att	Att	Att	Att	Att	Att
201914005	DHINAKARAN B	Att	Att	Att	Att	Att	Att	Att
201914006	KARTHI S	Att	Att	Att	Att	Att	Att	Att
201914007	MOHAN A	Att	Att	Att	Att	Att	Att	Att
201914008	NISHANTHI P	Att	Att	Att	Att	Att	Att	Att



**(AUTONOMOUS)**  
(Approved for AIC-TEL. Plans, Design & Construction by Atomic Administration, Government of India)  
REGISTRATION OF DESIGN: 210/A-2208 of Atomic LEC Act, 1955  
AEC Accredited under "A" Grade

Holographed Under Section 20-B, 20-C  
 NAAC Accredited with 'A' Grade  
 TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU

TIRUCHENGODE - 637 205 NAMAKKAL (DE) TAMILNADU						
201914009	PRASANTH N	N. Prasad N. Prasad	N. Prasad	N. Prasad	N. Prasad	N. Prasad
201914010	PRIYA N	N. Prasad N. Prasad	N. Prasad	N. Prasad	N. Prasad	N. Prasad
201914011	PRIYADHARSHINI S	S. Prasad S. Prasad	S. Prasad	S. Prasad	S. Prasad	S. Prasad
201914012	RAMESHKUMAR M	M. Prasad M. Prasad	M. Prasad	M. Prasad	M. Prasad	M. Prasad
201914013	SARAVANAN R	R. Prasad R. Prasad	R. Prasad	R. Prasad	R. Prasad	R. Prasad
201914014	SWEATHA S V	S. V. Prasad S. V. Prasad	S. V. Prasad	S. V. Prasad	S. V. Prasad	S. V. Prasad
TOTAL NO OF STUDENTS		14	14	14	14	14
NO OF PRESENT		14	13	13	14	14
NO OF ABSENT		Nil	Nil	01	Nil	Nil

V. G. B. +

INCHARGE

HOD  
18/11/62

College Name: Sengunthar Engineering College

Year &amp; Branch:

[illegible]

COURSE NAME:		STAFF NAME: PRADHU PT	
MICROPYTHON WITH ESP32			
STUDENT NAME:	DEPT:	EMAIL ID:	STARTING DATE:
COLLEGE NAME:	YEAR:	CONTACT NO:	ENDING DATE:

## LEVEL - I BASICS OF ESP-32 & MICROPYTHON

SESSION NO	DATE	SYLLABUS	THEORY	LAB	TIME		SIGNATURE	
					IN	OUT	STUDENT	STAFF
1	20/12	<ul style="list-style-type: none"> <li>Introduction to Various Microcontroller Development Boards &amp; Its Features</li> <li>Introduction MicroPython with ESP32 Board</li> <li>Introduction to Thony IDE</li> <li>Flashing MicroPython Firmware on ESP32 Board</li> </ul>	✓	✓			A.M.F. S. Carhi B. Chaudhary R. Sankar M. Rishat Vidya D. Singh J. K. Jha P. Sankar N. P. Singh S. V. Sreetha V. S. Sreetha	V. S. Sreetha
2	20/12	<ul style="list-style-type: none"> <li>Led Blink with MicroPython on ESP32 Board</li> <li>Led Chaser with MicroPython on ESP32 Board</li> </ul>	✓	✓			S. V. Sreetha Vidya S. Singh N. P. Singh P. Sankar A. M. F.	V. S. Sreetha
3	21/12	<ul style="list-style-type: none"> <li>Button Controlled LED with MicroPython on ESP32 Board</li> <li>Analog to Digital with MicroPython on ESP32 board</li> <li>Introduction to PWM</li> </ul>	✓	✓			S. Carhi B. Chaudhary M. Rishat A. M. F. N. P. Singh P. Sankar V. S. Sreetha	V. S. Sreetha
4	21/12	<ul style="list-style-type: none"> <li>LED fade with PWM and MicroPython on ESP32 Board</li> <li>Brightness control of Led with PWM by Potentio Meter and MicroPython on ESP32 Board</li> </ul>	✓	✓			S. V. Sreetha S. V. Sreetha V. S. Sreetha N. P. Singh A. M. F.	V. S. Sreetha

### LEVEL-II SENSORS WITH ESP-32 & MICROPYTHON

5	22/12	<ul style="list-style-type: none"> <li>External Interrupt with MicroPython on ESP32 Board</li> </ul>	✓	✓					
6	22/12	<ul style="list-style-type: none"> <li>Timer with MicroPython on ESP32 Board</li> </ul>	✓	✓					
7	23/12	<ul style="list-style-type: none"> <li>Interfacing DHT11 Temperature &amp; Humidity Sensor using MicroPython on ESP32 Board</li> </ul>	✓	✓					
8	23/12	<ul style="list-style-type: none"> <li>Interfacing HC-SR04 Ultrasonic Sensor by using MicroPython on ESP32 Board</li> <li>Measuring Speed of Sound by using HC-SR04 Ultrasonic Sensor</li> </ul>	✓	✓					
9	23/12	<ul style="list-style-type: none"> <li>Designing a Distance Meter by using HC-SR04 Ultrasonic Sensor</li> </ul>	✓	✓					

### LEVEL-III DISPLAYS WITH ESP-32 & MICROPYTHON

10	23/12	<ul style="list-style-type: none"> <li>Interfacing 16x2 LCD Display by using MicroPython on ESP32 Board</li> <li>Interfacing OLED Display by using MicroPython on ESP32 Board</li> </ul>	✓	✓					
11		<ul style="list-style-type: none"> <li>Display DHT11 Temperature &amp; Humidity Data by using 16x2 LCD &amp; ESP32 Board</li> <li>Interfacing 16x2 LCD using I2C Protocol</li> </ul>	✓	✓					

12	<ul style="list-style-type: none"> <li>Creating a Portable Distance Meter by using 16x2 LCD &amp; ESP32 Board</li> </ul>	✓	✓				S. Prasad D. Subashini N. Prasad	
<b>LEVEL-IV IOT WITH ESP-32 &amp; MICROPYTHON</b>								
13	<ul style="list-style-type: none"> <li>Webserver introduction with MicroPython on ESP32 Board</li> <li>Hello World! Web Server with MicroPython on ESP32 Board</li> </ul>	✓	✓				C. Anand B. Divya P. Princy N. Princy S. Sumanth	✓
14	<ul style="list-style-type: none"> <li>LED Control with Webserver by using MicroPython on ESP32 Board</li> </ul>						N. Princy P. Princy A. Anand S. Sumanth N. Prasad	
15	<ul style="list-style-type: none"> <li>RGB Led Control with ESP32 &amp; MicroPython</li> </ul>						S. Sumanth	✓
16	<ul style="list-style-type: none"> <li>Control Servo Motor with ESP32 &amp; MicroPython</li> </ul>						R. Sumanth S. Sumanth S. Sumanth S. Sumanth	
17	<ul style="list-style-type: none"> <li>Creating a Wi-Fi Hotspot &amp; Wi-Fi Client with ESP32 &amp; MicroPython</li> </ul>						R. Sumanth V. Anand S. Sumanth	
18	<ul style="list-style-type: none"> <li>OTA Firmware update with MicroPython on ESP32</li> </ul>						N. Princy S. Sumanth P. Princy	✓
19	<ul style="list-style-type: none"> <li>Making a Home Automation project with Blynk Server &amp; IFTTT Server by using ESP32 &amp; MicroPython</li> </ul>						S. Sumanth S. Sumanth S. Sumanth A. Anand	✓
20	<ul style="list-style-type: none"> <li>Implementing Voice assistant Controlled Home Automation using Google Voice Assistant with MicroPython on ESP32 Board</li> </ul>						N. Princy P. Princy S. Sumanth S. Sumanth R. Sumanth	✓



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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : V. Abirami Academic Year : 2021-2022  
Degree/Branch/Semester : B.E/ECE / V Course Duration (Hrs) : 50 hrs  
Name of the Value added Course : Micropython

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	NO

  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : *Aouf kumar. A* Academic Year : *2021-2022*  
Degree/Branch/Semester : *BE (ECE) V* Course Duration (Hrs) : *60 HRS*  
Name of the Value added Course : *Micro Python*

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	<i>A</i>
2	The course contents are illustrated with adequate practical examples	<i>A</i>
3	Associative level of learning from Theory to Practical	<i>A</i>
4	Effectiveness of assignments/other activities given in the value added course	<i>A</i>
5	The competencies and skills developed from the Value added course are relevant to industry needs	<i>A</i>
6	Regularity, Punctuality and competency of the course instructor	<i>A</i>
7	The Interaction and Individual attention given by the course instructor	<i>A</i>
8	The outcome of the course exposes new knowledge and practices	<i>A</i>
9	Relevance of the Value added course content towards employability and entrepreneurship	<i>A</i>
10	Any other suggestions:	<i>Very useful class</i>

Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : Mohan . A Academic Year : 2021 - 2022

Degree/Branch/Semester : BE/ECE/V Course Duration (Hrs) : 50

Name of the Value added Course : Micropython

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity ,Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions: Take the long duration session in class. Then needed projection to take class.	

  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : S.V. Sweatha Academic Year : 2021-2022

Degree/Branch/Semester : BE/ECE/3 Course Duration (Hrs) : 50 Hrs

Name of the Value added Course : Micropython

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	No

S.V. Sweatha.  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : Rameshkumar M Academic Year : 2021-2022

Degree/Branch/Semester : B.E/ECE/IV<sup>th</sup> Course Duration (Hrs) : 50 Hrs

Name of the Value added Course : MicroPython

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions:	NO

M. Rameshkumar

Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : B. Dhinakaran Academic Year : 2021 - 2022

Degree/Branch/Semester : B.E / ECE / V Course Duration (Hrs) : 50 hrs

Name of the Value added Course : Micropython

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions: Take the long duration class and Needed to projector	

B. Dhinakaran

Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : N. Praveen Academic Year : 2021 - 2022

Degree/Branch/Semester : B.E. ECE / 3 Course Duration (Hrs) : 50

Name of the Value added Course : Micro python

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions: I need a long time duration in value added classes and I need to Projector.	

N. Praveen

Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : S. Karthi Academic Year : 2021-2022  
Degree/Branch/Semester : B.E (ECE) IV Course Duration (Hrs) : 50  
Name of the Value added Course : Micro python

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions: I need a long time duration for the course.	

Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : N. Rujya Academic Year : 2

Degree/Branch/Semester : B.E / ECE / V Course Duration (Hrs) :

Name of the Value added Course : Micropython

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	No

Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : Priyadharshini.s Academic Year :  
Degree/Branch/Semester : BE - ECE V sem Course Duration (Hrs) : 50 Hrs  
Name of the Value added Course : Micropython

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	NO

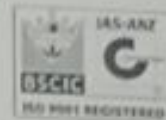
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : Nishanthi-P Academic Year : 2021 - 2022  
Degree/Branch/Semester : B.E(ECE) V Course Duration (Hrs) : 50  
Name of the Value added Course : micropython

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	NO

P. Nishanthi  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : Chandni S.M Academic Year : 2021

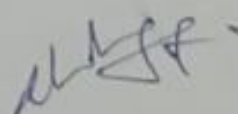
Degree/Branch/Semester : BE [ECE] 3<sup>rd</sup> year Course Duration (Hrs) : 50 hrs

Name of the Value added Course : micropython

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	NO

  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : Mohan . A Academic Year : 2021 - 2022

Degree/Branch/Semester : B.E / ECE / V Course Duration (Hrs) : 50

Name of the Value added Course : Micro python

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)

B-Good (3)

C-Satisfactory (2)

D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity ,Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions: Take the long duration class and needed to projector	

A.M.F

Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : DHARANIDHARAN.S Academic Year : 2021-2022  
Degree/Branch/Semester : B.E - ECE / V Course Duration (Hrs) : 50 Hrs  
Name of the Value added Course : Micro python

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	No

  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Student's Name : Saravanan.R Academic Year : 2021-2022

Degree/Branch/Semester : BE/ECE/ I<sup>st</sup> Course Duration (Hrs) : 50 Hrs

Name of the Value added Course : Macrophysics

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions: Need a Projector to explain and we need a some more time for the course.	

Student's Signature

COURSE NAME: MICROPYTHON WITH ESP32	STAFF NAME: PRABHU PT	
YEAR & DEPT: III YEAR & ECE	EMAIL ID:	STARTING DATE: 20-12-2021
COLLEGE NAME: SENGUNTHAR ENGINEERING COLLEGE, T.Code	CONTACT NO:	ENDING DATE: 28-12-2021

### ESP32 WITH MICROPYTHON PROJECTS

S.No	STUDENTS NAME	PROJECTS COMPLETED
1	Karthi.S	Led blinking & LED chaser with ESP32 & Micropython
2	Mohan.A	LED brightness control by PWM with ESP32 & Micropython
3	N. Prasanth	PIR sensor interfacing by interrupt with ESP32 & Micropython
4	R. Saravanan	LED control by Timers with ESP32 & Micropython
5	M.Rameshkumar	Interfacing DHT11 sensor with ESP32 & Micropython
6	Arulkumar.A	Interfacing ultrasonic sensor with ESP32 & Micropython
7	Dharanidharan	Designing a portable distance meter with ESP32 & Micropython
8	B. Dinakaran	Interfacing a 16x2 LCD by using I2C with ESP32 & Micropython
9	S.M.Chandni	Designing a portable distance meter with ESP32 & Micropython
10	P. Nisanthi	LED control with webserver by using with ESP32 & Micropython
11	N. Priya	Implementing a Wi-Fi access point with ESP32 & Micropython
12	S.V. Sweatha	Smart car programming with ESP32 & Micropython
13	S. Priyadharshini	OTA firmware update by web repl with ESP32 & Micropython
14	V.Abirami	Making a home automation project with blynk IOT cloud server

*Dr. Prabu*

ETS ACADEMY

# CERTIFICATE OF Appreciation

DATE: **08-01-2022**



**This is to certify that ABIRAMI V, III year  
Electronics and Communication Engineering  
from Sengunthar Engineering College  
(Autonomous) Tiruchengode.  
has successfully completed the MICROPYTHON  
Course during the period from  
20-12-21 to 28-12-21 conducted by  
Extol Tech Solution, Erode.**



**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
Unit, 1st floor, 1st block, 1st floor

Ministry of MSME Govt. of India  
Reg. No. TN07E0021273

**CERTIFICATE ID : A08870**

A handwritten signature in black ink, appearing to read 'Sundar'.

Authorised Signature



**Skill India**  
atishat karte - apni karte



**PMKVY**  
PRIME MINISTER'S KISAN VIKAS YOJANA

**IT - ITeS SSC**  
NASSCOM



# CERTIFICATE OF Appreciation

DATE: **08-01-2022**



**This is to certify that ARULKUMAR.A, III year  
Electronics and Communication Engineering  
from Sengunthar Engineering College  
(Autonomous) Tiruchengode.  
has successfully completed the MICROPYTHON  
Course during the period from  
20-12-21 to 28-12-21 conducted by  
Extol Tech Solution, Erode.**



**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
एन.एन.टी.ई.एस.एस.सी.

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A08871**

A handwritten signature in black ink, appearing to read 'Sundar'.

Authorised Signature



**Skill India**  
असतो मा सद्गमय



**PMKVY**  
PRIME MINISTER'S KISAN VIGYAN YAKSHAMA

**IT - ITeS SSC**  
NASSCOM



# CERTIFICATE OF Appreciation

DATE: **08-01-2022**




**This is to certify that CHANDNI S M, III year  
Electronics and Communication Engineering  
from Sengunthar Engineering College  
(Autonomous) Tiruchengode.  
has successfully completed the MICROPYTHON  
Course during the period from  
20-12-21 to 28-12-21 conducted by  
Extol Tech Solution, Erode.**



**MSME**  
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES  
GOVT. OF INDIA

Ministry of MSME Govt. of India  
Reg. No. TN07E0021273

**CERTIFICATE ID : A08872**

  
Authorised Signature



**Skill India**  
सकल विद्या - गुरुतम विद्या



**PMKVY**  
PRAGATI MAHATMA KANYA VIKAS YATRA



IT - ITes SSC  
NASSCOM



AICTE INTERNSHIP

# CERTIFICATE

OF

## Appreciation

DATE: **08-01-2022**

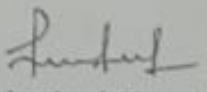


**This is to certify that DHARANIDHARAN.S,**  
**III year, Electronics and Communication**  
**Engineering from Sengunthar Engineering**  
**College (Autonomous) Tiruchengode.**  
**has successfully completed the MICROPYTHON**  
**Course during the period from**  
**20-12-21 to 28-12-21 conducted by**  
**Extol Tech Solution, Erode.**



Ministry of MSME Govt. of India  
Reg. No. TN07E0021273

**CERTIFICATE ID : A08873**

  
Authorised Signature



# CERTIFICATE OF Appreciation

DATE: **08-01-2022**



**This is to certify that DHINAKARAN B,  
III year, Electronics and Communication  
Engineering from Sengunthar Engineering  
College (Autonomous) Tiruchengode.  
has successfully completed the MICROPYTHON  
Course during the period from  
20-12-21 to 28-12-21 conducted by  
Extol Tech Solution, Erode.**



**MSME**  
MINISTRY OF SMALL & MEDIUM ENTERPRISES  
GOVT. OF INDIA

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A08874**

A handwritten signature in black ink, appearing to read 'Sundar'.

Authorised Signature



**Skill India**  
शिक्षण विद्या - कृषि विद्या



**PMKVY**  
प्रमाणिकता विद्या - कृषि विद्या



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NASSCOM



# CERTIFICATE OF Appreciation

DATE: **08-01-2022**



**This is to certify that KARTHI S,**  
**III year, Electronics and Communication**  
**Engineering from Sengunthar Engineering**  
**College (Autonomous) Tiruchengode.**  
**has successfully completed the MICROPYTHON**  
**Course during the period from**  
**20-12-21 to 28-12-21 conducted by**  
**Extol Tech Solution, Erode.**



**MSME**  
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES  
GOVT. OF INDIA

Ministry of MSME Govt. of India  
Reg. No. TN07E0021273

**CERTIFICATE ID : A08875**

A handwritten signature in black ink, likely of the authorized signatory.

Authorised Signature



**Skill India**  
सकल शिक्षा - कुशल भवितुम्



**PMKVY**  
PRATYAKSHIKA MANUSHI KARYAKARMA YOGA YATNA



IT - ITeS SSC  
NASSCOM



AICTE INTERNSHIP

# CERTIFICATE OF Appreciation

DATE: **08-01-2022**



This is to certify that **MOHAN A**  
**III year, Electronics and Communication**  
**Engineering from Sengunthar Engineering**  
**College (Autonomous) Tiruchengode.**  
**has successfully completed the MICROPYTHON**  
**Course during the period from**  
**20-12-21 to 28-12-21 conducted by**  
**Extol Tech Solution, Erode.**



**MSME**  
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES  
GOVT. OF INDIA

Ministry of MSME Govt. of India  
Reg. No. TN07E0021273

**CERTIFICATE ID : A08876**

A handwritten signature in black ink, appearing to read 'Sundar'.

Authorised Signature



**Skill India**  
skilled people - growth nation



**PMKVY**  
PROVIDING MORE VY  
EMPLOYMENT OPPORTUNITIES



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AICTE INTERSHIP

# CERTIFICATE OF Appreciation

DATE: **08-01-2022**



**This is to certify that NISHANTHI P**  
**III year, Electronics and Communication**  
**Engineering from Sengunthar Engineering**  
**College (Autonomous) Tiruchengode.**  
**has successfully completed the MICROPYTHON**  
**Course during the period from**  
**20-12-21 to 28-12-21 conducted by**  
**Extol Tech Solution, Erode.**



Ministry of MSME Govt. of India  
Reg. No. TN07E0021273

**CERTIFICATE ID : A08877**

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Authorised Signature



# CERTIFICATE OF Appreciation

DATE: **08-01-2022**



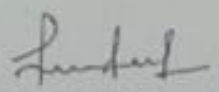
**This is to certify that PRASANTH N**  
**III year, Electronics and Communication**  
**Engineering from Sengunthar Engineering**  
**College (Autonomous) Tiruchengode.**  
**has successfully completed the MICROPYTHON**  
**Course during the period from**  
**20-12-21 to 28-12-21 conducted by**  
**Extol Tech Solution, Erode.**



**MSME**  
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES  
GOVT. OF INDIA

Ministry of MSME Govt. of India  
Reg. No. TN07E0021273

**CERTIFICATE ID : A08878**

  
Authorised Signature



**Skill India**  
सक्षमता कर्म - क्षमता कर्म  
skshamata karm - kshamata karm



**PMKVY**  
PRATYAKHA MANOJAN KALANIDHI VIKAS YATRA

 **IT - ITeS SSC**  
NASSCOM



# CERTIFICATE OF Appreciation

DATE: **08-01-2022**

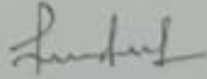


This is to certify that **PRIYA N**  
**III year, Electronics and Communication**  
**Engineering from Sengunthar Engineering**  
**College (Autonomous) Tiruchengode.**  
**has successfully completed the MICROPYTHON**  
**Course during the period from**  
**20-12-21 to 28-12-21 conducted by**  
**Extol Tech Solution, Erode.**



Ministry of MSME Govt. of India  
Reg. No. TN07E0021273

CERTIFICATE ID : A08879

  
Authorised Signature



# CERTIFICATE OF Appreciation

DATE: **08-01-2022**



**This is to certify that PRIYADHARSHINI S**  
**III year, Electronics and Communication**  
**Engineering from Sengunthar Engineering**  
**College (Autonomous) Tiruchengode.**  
**has successfully completed the MICROPYTHON**  
**Course during the period from**  
**20-12-21 to 28-12-21 conducted by**  
**Extol Tech Solution, Erode.**



**MSME**  
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES  
GOVT. OF INDIA

Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A08880**

A handwritten signature in black ink, likely of the authorized person.

Authorised Signature



**Skill India**  
विद्यया ऽमृतमश्नुते



**PMKVY**  
PROFESSOR-MONITOR VYAKTAKA YATRA



**IT - ITeS SSC**  
**NASSCOM**



AICTE INTERNSHIP

# CERTIFICATE OF Appreciation

DATE: **08-01-2022**



**This is to certify that RAMESHKUMAR.M**  
**III year, Electronics and Communication**  
**Engineering from Sengunthar Engineering**  
**College (Autonomous) Tiruchengode.**  
**has successfully completed the MICROPYTHON**  
**Course during the period from**  
**20-12-21 to 28-12-21 conducted by**  
**Extol Tech Solution, Erode.**



**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
govt. of india

Ministry of MSME Govt. of India  
Reg. No. TN07E0021273

**CERTIFICATE ID : A08881**

A handwritten signature in black ink, appearing to read 'Sundar'.

Authorised Signature



**Skill India**  
skilled india - prosper india



**PMKVY**  
PRIME MINISTER'S KISAN VIKAS YOJANA



IT - ITeS SSC  
NASSCOM



AICTE INTERNSHIP

# CERTIFICATE OF Appreciation

DATE: **08-01-2022**



**This is to certify that SARAVANAN R**  
**III year, Electronics and Communication**  
**Engineering from Sengunthar Engineering**  
**College (Autonomous) Tiruchengode.**  
**has successfully completed the MICROPYTHON**  
**Course during the period from**  
**20-12-21 to 28-12-21 conducted by**  
**Extol Tech Solution, Erode.**



**MSME**  
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES  
GOVT. OF INDIA

Ministry of MSME Govt. of India  
Reg. No. TN07E0021273

**CERTIFICATE ID : A08882**

A handwritten signature in black ink, appearing to read 'Sundar'.

Authorised Signature



**Skill India**  
असतो मा सद्गमय



**PMKVY**  
PRIME MINISTER'S KISAN VIGYAN YATRA

**IT - ITes SSC**  
NASSCOM



# CERTIFICATE OF Appreciation

DATE: **08-01-2022**



**This is to certify that SWEATHA S V**  
**III year, Electronics and Communication**  
**Engineering from Sengunthar Engineering**  
**College (Autonomous) Tiruchengode.**  
**has successfully completed the MICROPYTHON**  
**Course during the period from**  
**20-12-21 to 28-12-21 conducted by**  
**Extol Tech Solution, Erode.**



Ministry of MSME Govt. of India  
Reg. No.: TN07E0021273

**CERTIFICATE ID : A08883**

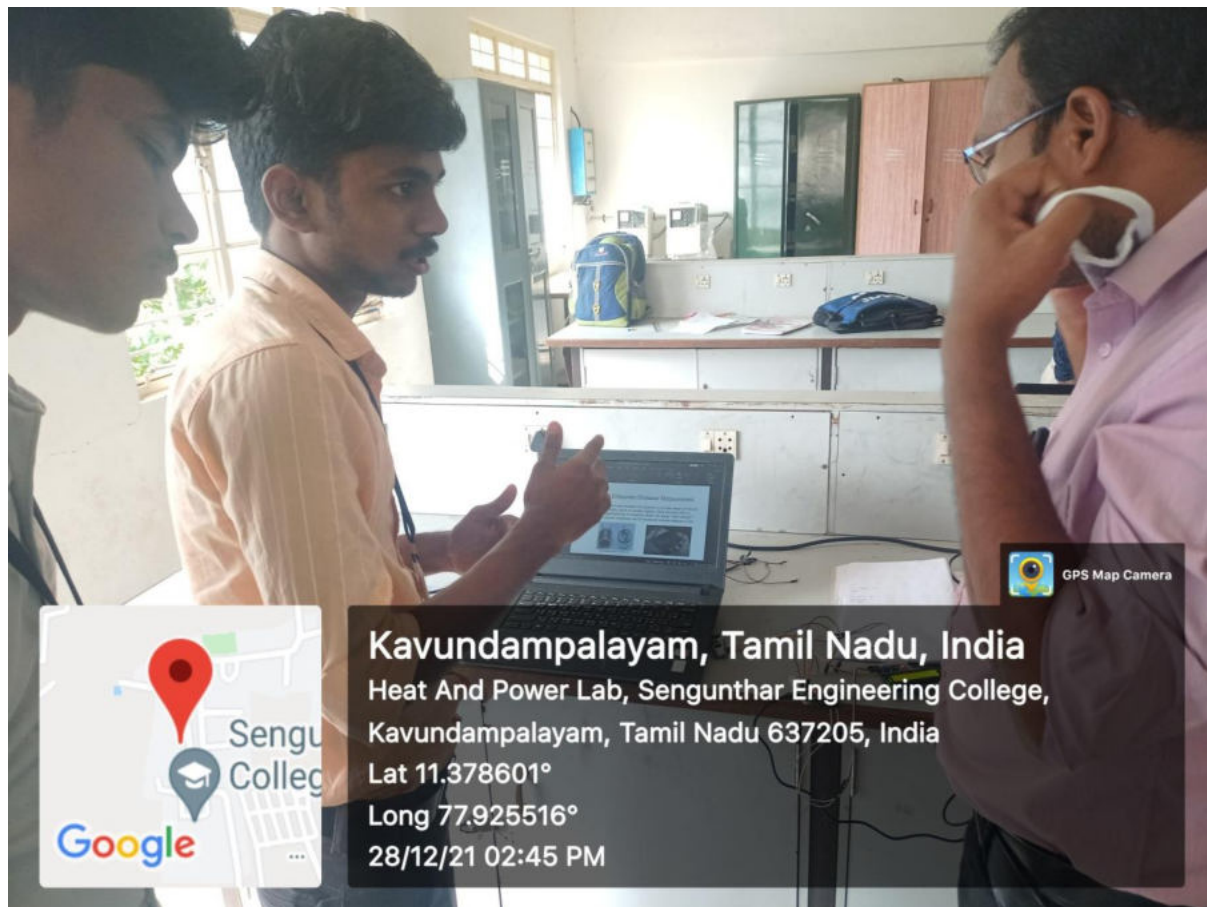
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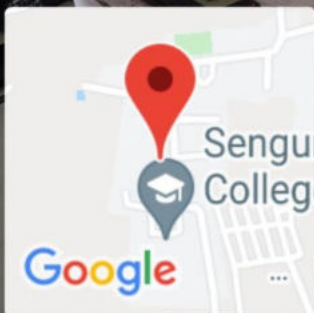
Authorised Signature





vac





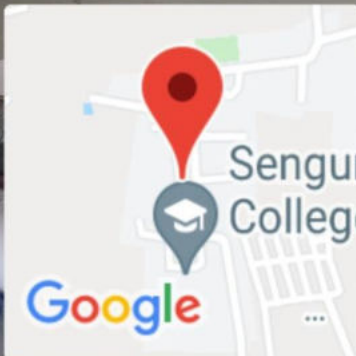
**Kavundampalayam, Tamil Nadu, India**

ECE Block, Library Rd, Kavundampalayam, Tamil Nadu 637205,  
India

Lat 11.378533°

Long 77.925658°

28/12/21 03:27 PM



**Kavundampalayam, Tamil Nadu, India**

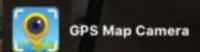
ECE Block, Library Rd, Kavundampalayam, Tamil

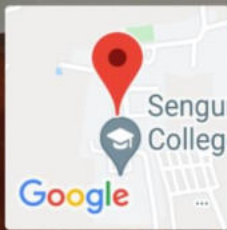
Nadu 637205, India

Lat 11.378572°

Long 77.925709°

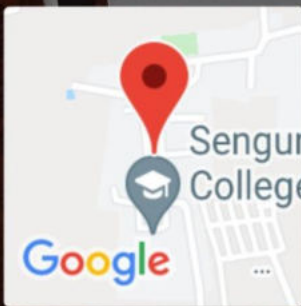
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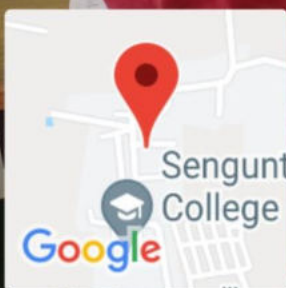


**Kavundampalayam, Tamil Nadu, India**  
ECE Block, Library Rd, Kavundampalayam, Tamil Nadu 637205,  
India  
Lat 11.378565°  
Long 77.925689°  
28/12/21 02:22 PM





Kavundampalayam, Tamil Nadu, India  
ECE Block, Library Rd, Kavundampalayam, Tamil  
Nadu 637205, India  
Lat 11.378576°  
Long 77.925769°  
28/12/21 02:22 PM



**Kavundampalayam, Tamil Nadu, India**

Admin And Server Room, Sengunthar Institutions Rd,  
Kavundampalayam, Tamil Nadu 637205, India

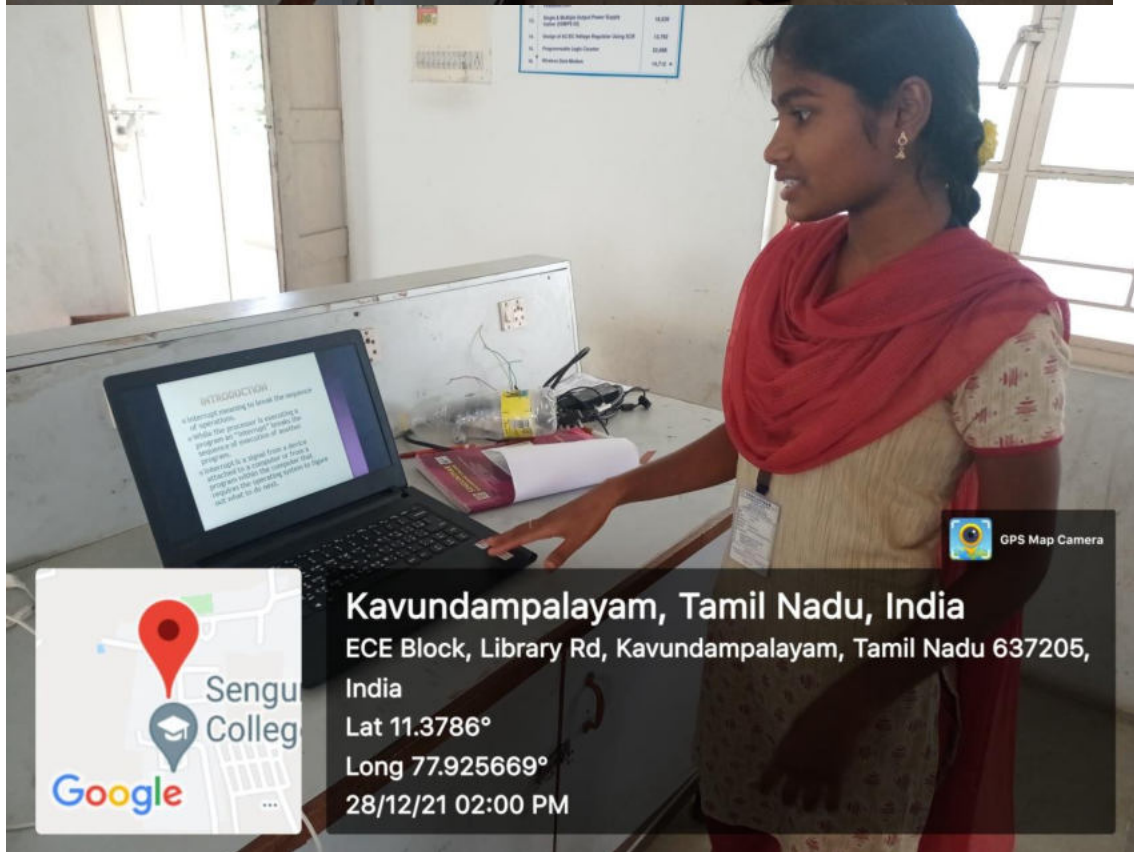
Lat 11.37904°

Long 77.926066°

28/12/21 02:16 PM



GPS Map Camera

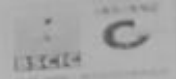




# SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

Agreement to AICTE, New Delhi & Affiliated to Anna University, Chennai  
Recognized under Section 2(f) & 2(g) of the UGC Act, 1956  
NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (DT) TAMILNADU



## CONTINUOUS INTERNAL ASSESSMENT -III

Department of Electronics and Communication Engineering

Academic Year 2021 - 2022

Date 28/12/2021

Year/Sem III/IV

Subject code/Subject Name 19MDC501 / Value Added Course-II (MICROPYTHON)

Reg. No.	Name of the Student	MARKS ALLOTTED (100)			MARKS OBTAINED
		CODING (50)	IMPLEMENTATION/ TESTING(25)	VIVA VOCE(25)	TOTAL(100)
201914001	ABIRAMI V	49	25	25	99
201914002	ARULKUMAR A	48	25	23	96
201914003	CHANDNI S M	47	24	25	96
201914004	DHARANIDHARAN S	49	25	25	99
201914005	DHINAKARAN B	47	24	24	95
201914006	KARTHI S	49	25	25	99
201914007	MOHAN A	49	24	23	96
201914008	NISHANTHI P	50	23	22	95
201914009	PRASANTH N	50	25	21	96
201914010	PRIYA N	46	25	25	96
201914011	PRIYADHARSHINI S	49	24	24	97
201914012	RAMESHKUMAR M	46	24	23	95
201914013	SARAVANAN R	49	23	22	94
201914014	SWEATHA S V	48	24	24	96

V. Gauthaman  
28/12/2021

INTERNAL EXAMINER

V. GOWTHAMAN  
AP/ECF

P.T. Prashu

EXTERNAL EXAMINER

(TECHNICAL EXPERT)

P.T. PRASHU

ETS ACADEMY

**Memorandum of Understanding  
Between  
Sengunthar Engineering College (Autonomous), Tiruchengode  
And  
C CUBE TECHNOLOGIES, Erode.**

This Agreement is made on 13.09.2021 between  
Sengunthar Engineering College (Autonomous), Tiruchengode  
And  
C CUBE TECHNOLOGIES, Erode.

Sengunthar Engineering College (Autonomous) is a leading educational institute in Tiruchengode region providing various Degree programs approved by AICTE, hereinafter referred as the INSTITUTE.

And

C CUBE TECHNOLOGIES having its office at 49-c, 1st Floor, Amman Complex, Opp.Abirami Theatre Road, E.V.N.Road, Erode-638011.

C CUBE TECHNOLOGIES specializes in software development on all Softwares, hereinafter referred as the COMPANY.

**1. Now therefore both the parties hereby agree as follows:**

- 1.1 The COMPANY will conduct Electrical CAD, PCB, PLC SCADA for students of the INSTITUTE at Institute premises by providing specialized and certified Faculty.
- 1.2 Both the parties will create better awareness and products of all Softwares for better employability of participants at the INSTITUTE.
- 1.3 The COMPANY in consultation with the INSTITUTE, will create and refine courses as per current software program, industry demands and accreditation requirements.
- 1.4 The COMPANY will support for final year students placements.
- 1.5 Course fee & reimbursement will be as per ANNEXURE – 1

N. Kumar



## **2. Responsibility of Company**

2.1 Provide Faculty with requisite knowledge and experience in teaching all the Software Courses. The Company will ensure substitute faculty of similar specialization, as per requirement.

## **3. Responsibility of the Institute**

3.1 Provide requisite infrastructure to conduct course, like Classrooms, Computer Hardare/Software, Computer Projector, black/white board, power, power backup and other necessary equipments.

3.2 The INSTITUTE will register students in Course by adequate information to all relevant engineering streams.

3.3 The INSTITUTE will collect the course fee or any other fee pursuant to this Agreement from participating students in advance. The INSTITUTE will facilitate the collection of fees on behalf of students.

3.4 Reimburse fee as applicable to the COMPANY as per agreed terms.

3.5 Ensure that all the participating students attend Course Classes as per schedule and all Required infrastructure is made available for uninterrupted classes.

3.6 Institute would ensure that all students are regular in attendance.

## **4. Duration for This Agreement**

4.1 The duration of this Agreement shall be for a period of August, 2024 from the date of signing and If not renewed or amended in writing the same shall be considered as expired and/or terminated.

## **5. Termination**

5.1 This agreement shall take effect immediately on the execution of these presents. This agreement can be terminated by any party by a written letter giving one month notice period.

5.2 Upon expiry of the notice period this agreement will be terminated & both the parties will settle their accounts within one month of termination of this agreement.

N. Kumar



5.3 Any notice request or other communication required or permitted to be given or made under this agreement to the INSTITUTE or the COMPANY shall be in writing. Such notice or request shall have been given or made when it shall have been delivered by hand, with a copy by facsimile, to the party to which it is addressed at such party's address specified below or at such other address as such party shall have designed by notice to the party for giving such notice or making such request:

**SENGUNTHAR ENGINEERING COLLEGE**  
(Autonomous)  
Kumaramangalam Road,  
Tiruchengode, Namakkal Dist-637 303.

*N. Kuma - R*  
For C CUBE TECHNOLOGIES  
49-c, 1st Floor, Amman Complex,  
Opp. Abirami Theatre Road,  
E.V.N. Road, Erode Dist -638011.

5.4 Nothing except as otherwise specifically provided here in this agreement, shall bind each party's successors & permitted assignors.

5.5 The parties here to acting themselves or through representative duly authorized, have caused this agreement to be signed in their respective names as of the day & year written above.

*N. Kuma - R*  
For C CUBE TECHNOLOGIES  
49-c, 1st Floor, Amman Complex,  
Opp. Abirami Theatre Road,  
E.V.N. Road, Erode Dist -638011.

*[Signature]* 13.9.2021  
SECRETARY & CORRESPONDENT  
Sengunthar Engineering College  
(Autonomous)  
Kumaramangalam (Po), Tiruchengode,  
Namakkal Dist-637 205.

SECRETARY & CORRESPONDENT.  
SENGUNTHAR ENGINEERING COLLEGE.  
TIRUCHENGODE - 637 205.



Place : Tiruchengode  
Date : 13.09.2021

Annexure I

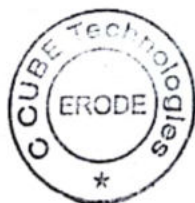
**INSTITUTE OFFER**

SL.NO	SOFTWARE DETAIL	DURATION IN HOURS	TRAINING FEES PER STUDENT (RS.)
1.	Electrical CAD	40	1500

**Terms and Conditions:**

1. 50% of Training fees will be paid on commencement of the course and balance. 50% of Training fees will be paid at the time of completion of course.
2. The availed offer for the successive course is strictly only for enrolled students.

*N. Kumar*  
**For C CUBE TECHNOLOGIES**  
49-c, 1st Floor, Amman Complex,  
Opp.Abirami Theatre Road,  
E.V.N.Road, Erode Dist -638011.



*[Signature]* 13.9.2021.  
**SECRETARY & CORRESPONDENT**  
Sengunthar Engineering College  
(Autonomous)  
Kumaramangalam (Po), Tiruchengode,  
Namakkal Dist-637 205.

**SECRETARY & CORRESPONDENT.**  
**SENGUNTHAR ENGINEERING COLLEGE,**  
**TIRUCHENGODE - 637 205.**

Place : Tiruchengode  
Date : 13.09.2021



# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956

NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



Ref: SEC/VAC/2021-2022/01

Date: 08.09.2021

## Submitted to the Correspondent for Approval:

Sir,

Sub: Requesting permission for conducting value added courses - Reg.

We would like to bring to your kind consideration to accord approval to conduct the value added courses to the B.E. - III year (fifth semester) students of all departments as per the curriculum. In this connection, MoUs are to be made between our Institution and Industries as Training Partner mentioned against respective Departments for mutual benefits on 13.09.2021.

INDUSTRY	DEPARTMENT	COURSE
EXTOLTECH SOLUTION, ERODE	CIVIL	STAAD PRO
EXTOLTECH SOLUTION, ERODE	CSE	WEB TECHNOLOGY
EXTOLTECH SOLUTION, ERODE	ECE	MICRO PYTHON
C-CUBE TECHNOLOGIES, ERODE	EEE	ELECTRICAL CAD
EXTOLTECH SOLUTION, ERODE	MECH	ANSYS

We request your permission for the same.

## Submitted by

1. S. ANAND KUMAR [S. Anand Kumar] 8/9/21
2. G. MOHESHKUMAR [G. Mohesh Kumar] 8/9/21
3. V. GOWTHAMAN [V. Gowthaman] 8/9/21
4. A. TAMILSELVAN [A. Tamilselvan] 8/9/21
5. P. JAYADEESWARAN [P. Jayadeeswaran] 08/09/21

VAC I/C(s)

## Recommended by

PRINCIPAL

Copy to:

1. Office File
2. IQAC

## Forwarded by

1. M. Seenirajan [M. Seenirajan] 08/9/21
2. Dr. M. SAKTHIHEL [Dr. M. Sakthi Hel] 8/9/21
3. Dr. C. AARTHS [Dr. C. Arths] 8/9/21
4. Dr. K. Umadevi [Dr. K. Umadevi] 8/9/2021
5. N. Thiruvengadam [N. Thiruvengadam] 8.9.21  
N. THIRU SENTHIL ADHIBAN  
HoD(s)

## Approved by

CORRESPONDENT



# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956

NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



19MDC501

VALUE ADDED COURSE – II

L T P  
- - -

## OBJECTIVES

The main objective of this course is to:

- Create and modify diagrams, layouts in 2D and 3D models of electric circuits in PCB.
- Learn how to create a project, deal with text editor, and compile the created code.
- Study the concept of theory and applications of programmable logic controllers.
- Design and develop the electrical power system in steady, transients and dynamics condition.

## EITHER ONE OF THE COURSE IN THE LIST




- ECAD
- MODELSIM
- PLC
- ETAP

## OUTCOMES

At the end of the course, the students will be able to:

- Design and develop the diagrams, layouts such as printed circuit boards (PCBs) and integrated circuits (ICs).
- Identify the appropriate methods in MODELSIM.
- Acquire knowledge of concept and applications of PLC.
- Understand the designing and simulation knowledge in electrical power systems.

<b>COURSE</b>	<b>AutoCAD Electrical</b>		
<b>COLLEGE NAME</b>	SENGUNTHAR ENGINEERING COLLEGE		
<b>CLASS STARTING DATE</b>	20.12.2021	<b>CLASS ENDING DATE</b>	24.12.2021
<b>DEPT/YEAR</b>	EE / BEE / III	<b>STAFF NAME</b>	A. TAMILSELVAN

DAY	DATE	TOPICS	STAFF SIGN
1	20.12.2021	<u>INTRODUCTION TO AutoCAD Electrical SOFTWARE</u> GUI-GRAPHICAL USER INTERFACE  SCREEN, SETTINGS (UNITS/LIMITS/ZOOM) COORDINATE SYSTEM - HANDLING GUI USING BY LINE COMMAND  ABSOLUTE COORDINATE SYSTEM  <u>FUNCTION KEYS:</u> FUNCTION KEYS USING BY DRAFTING SETTINGS TOOL	
		RECTANGLE, ARC, ELLIPSE, POLYGON <u>MODIFY TOOLS:</u> MOVE, COPY, ERASE, ROTATE, TRIM, EXTEND, FILLET, CHAMFER, BREAK, ARRAY, SCALE, STRETCH, EXPLODE, JOIN, XLINK	
2.	21.12.2021	PROPERTIES TOOLS: MTEXT, DDEDIT, COLOR, LINETYPE, LINEWEIGHT, LAYERMATCHPROP, HATCH, HATCHEDIT, POLYLINE, POLYLINE EDIT, SPLINE, DIMENSIONS, DIMENSIONEDIT, DIMENSION STYLE	
		BLOCK, BLOCK EDITOR, WRITE BLOCK, GROUP CONSTRAINTS - PURPOSE, TYPES GEOMETRIC CONSTRAINTS, DIMENSIONAL CONSTRAINTS	
3	22.12.2021	Design Environment & Basic Workflow Project Manager, The Project Drawing List, Moving Through Projects Activating And Copying Projects <u>SCHEMATIC WIRING</u> Ladders, Wire Numbers, Source And Destination, Signal	

		<p>Arrows, Multiple Phase Circuits</p> <p><b><u>SCHEMATIC COMPONENTS</u></b></p> <p>Swapping And Updating Blocks</p> <p>Linking Components</p>	
		<p><b><u>SCHEMATIC EDITING</u></b></p> <p>Surfer, Align Command, Move, Copy Component, Flip, Stretch, Location Box, Linking Components, Multiple Bus Connections, Wire Styles, Editing Wire Types, Wire Number Handling</p>	<i>[Signature]</i>
4	23.12.2021	<p>Schematic Reports</p> <p>Creating Wiring Diagram for a Residential Building</p> <p>Single Line Diagram</p> <p><b><u>CUSTOM DESIGNS</u></b></p> <p>Symbol Builder and Icon Menu Wizard, Creating Customized Symbols</p>	<i>[Signature]</i>
		<p><b><u>Auditing Tools</u></b></p> <p><b><u>Panel Layouts</u></b></p> <p>Creating Panel Layouts From Schematic Lists, Using The DIN Rail Utility, Panel Layout Annotation And Reports</p> <p><b><u>PLC Modules</u></b></p> <p>Using PLC I/O Modules</p> <p>Din Rail Editor</p> <p>Footprint With Wire Annotation</p> <p>Conduit Tools and Cable</p>	<i>[Signature]</i>
5	24.12.2021	PROJECT WORK SUBMISSION	<i>[Signature]</i>

*[Signature]*  
STAFF SIGN



# SENGUNTHAR ENGINEERING COLLEGE

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TIRUCHENGODE - 637 205 NAMAKKAL (DI) TAMILNADU



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

III YEAR / VSEM - ACADEMIC YEAR 2020-2021

SUBJECT CODE & NAME: 19MDC501- E CAD (VALUE ADDED COURSE - II)

ATTENDANCE ( 20.12.2021 TO 24.12.2021)

S.No	Reg No	Students Name	20.12.2021		21.12.2021		22.12.2021		23.12.2021		24.12.2021	
			EN	AN	EN	AN	EN	AN	EN	AN	EN	AN
1	201913001	DINESHKUMAR.D	Diresh	Diresh	Diresh	Diresh	Diresh	Diresh	Diresh	Diresh	Diresh	Diresh
2	201913002	KOUSIK A	Kousika	Kousika	Kousika	Kousika	Kousika	Kousika	Kousika	Kousika	Kousika	Kousika
3	201913003	MAGESHVARAN S	S. Magesh	S. Magesh	S. Magesh	S. Magesh	S. Magesh	S. Magesh	S. Magesh	S. Magesh	S. Magesh	S. Magesh
4	201913004	PRAVEIN.K.R	K.R.P	K.R.P	K.R.P	K.R.P	K.R.P	K.R.P	K.R.P	K.R.P	K.R.P	K.R.P
5	201913005	RAJAMANI S	S. Raj	S. Raj	S. Raj	S. Raj	S. Raj	S. Raj	S. Raj	S. Raj	S. Raj	S. Raj
6	201913006	RITHIC KUMAR S R	R. Rithic	R. Rithic	R. Rithic	R. Rithic	R. Rithic	R. Rithic	R. Rithic	R. Rithic	R. Rithic	R. Rithic
7	201913007	SRINIVASHINI PRIYA V	V. Sripriya	V. Sripriya	V. Sripriya	V. Sripriya	V. Sripriya	V. Sripriya	V. Sripriya	V. Sripriya	V. Sripriya	V. Sripriya
8	201913008	VIGNESHWARAN R	R. Vignesh	R. Vignesh	R. Vignesh	R. Vignesh	R. Vignesh	R. Vignesh	R. Vignesh	R. Vignesh	R. Vignesh	R. Vignesh
9	201913009	VIJAY VARMA P	P. Vijay	P. Vijay	P. Vijay	P. Vijay	P. Vijay	P. Vijay	P. Vijay	P. Vijay	P. Vijay	P. Vijay
10	201913010	VIJAY.S	S. Vijay	S. Vijay	S. Vijay	S. Vijay	S. Vijay	S. Vijay	S. Vijay	S. Vijay	S. Vijay	S. Vijay
11	201913501	RAJESWARAN. V	V. Rajeswari	V. Rajeswari	V. Rajeswari	V. Rajeswari	V. Rajeswari	V. Rajeswari	V. Rajeswari	V. Rajeswari	V. Rajeswari	V. Rajeswari
No of students Present			11	11	11	11	11	11	11	11	11	11
No of students absent			-	-	-	-	-	-	-	-	-	-
On Duty			-	-	-	-	-	-	-	-	-	-
Faculty Signature			Alex	Alex	Alex	Alex	Alex	Alex	Alex	Alex	Alex	Alex
Coures Incharge			S. Suresh	S. Suresh	S. Suresh	S. Suresh	S. Suresh	S. Suresh	S. Suresh	S. Suresh	S. Suresh	S. Suresh
HoD			B	B	B	B	B	B	B	B	B	B

20/12

22/12

23/12



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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

Department of EEE

Student's Name : K.R. Praveen Academic Year : 2020-2021

Degree/Branch/Semester : B.E/EEE /V Course Duration (Hrs) : 40hrs

Name of the Value added Course : ELATRICALCAD

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

  
Student's Signature



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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

Department of EEE

Student's Name : S. VIJAY Academic Year : 2020-20

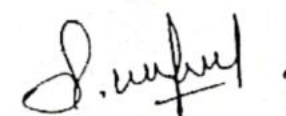
Degree/Branch/Semester : BE/EEE /V Course Duration (Hrs) : 40 hrs.

Name of the Value added Course : Electrical CAD

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	-

  
Student's Signature



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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

Department of EEE

Student's Name : VIGNESHWARAN R Academic Year 2020-2021  
Degree/Branch/Semester : B.E/EEE/VI Course Duration (Hrs) : 40hrs  
Name of the Value added Course : ELECTRICAL (A)

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

P. Vigneshwaran  
Student's Signature

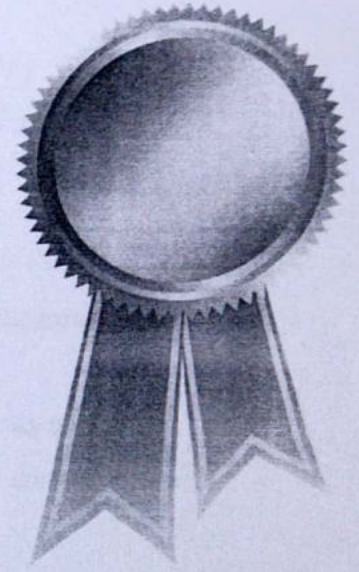
# Certificate of Completion

This Certificate is Presented to

*Rajeswaran V*

for successfully completing the training course on

**AutoCAD Electrical**



ID Number: ECG22002

Certificate Number: CG22243

28.12.2021

Awarded On

60 Hrs

Duration

Erode

Training Centre



*B. Jan*

Authorised Signatory

# Certificate of Completion

This Certificate is Presented to

*Rajamani S*

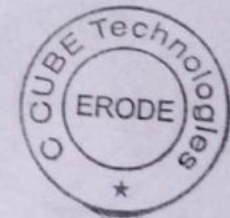
for successfully completing the training course on

**AutoCAD Electrical**



ID Number: ECG22002

Certificate Number: CG22241



28.12.2021

Awarded On

60 Hrs

Duration

Erode

Training Centre

*B. J.*

Authorised Signatory

# Certificate of Completion

This Certificate is Presented to

*Srinivashinipriya V*

for successfully completing the training course on

**AutoCAD Electrical**



ID Number: ECG22002

Certificate Number: CG22242

28.12.2021

Awarded On

60 Hrs

Duration

Erode

Training Centre



*B. J.*

Authorised Signatory

## **Memorandum of Understanding**

**Between**

**Sengunthar Engineering College (Autonomous), Tiruchengode**

**And**

**C CUBE TECHNOLOGIES, Erode.**

This Agreement is made on 01.06.2022 between

**Sengunthar Engineering College (Autonomous), Tiruchengode**

**And**

**C CUBE TECHNOLOGIES, Erode.**

**Sengunthar Engineering College (Autonomous)** is a leading educational institute in **Tiruchengode** region providing various Degree programs approved by AICTE, hereinafter referred as the **INSTITUTE**.

**And**

**C CUBE TECHNOLOGIES** having its office at 49-c, 1st Floor, Amman Complex, Opp.Abirami Theatre Road, E.V.N.Road, Erode-638011.

**C CUBE TECHNOLOGIES** specializes in software development on all SOFTWARES, hereinafter referred as the **COMPANY**.

### **1. Now therefore both the parties hereby agree as follows:**

- 1.1 The **COMPANY** will conduct Electrical CAD, PCB, PLC SCADA for students of the **INSTITUTE** at Institute premises by providing specialized and certified Faculty.
- 1.2 Both the parties will create better awareness and products of all Softwares for better employability of participants at the **INSTITUTE**.
- 1.3 The **COMPANY** in consultation with the **INSTITUTE**, will create and refine courses as per current software program, industry demands and accreditation requirements.
- 1.4 The **COMPANY** will support for final year students placements.
- 1.5 Course selection and fixation of course fee will be as per the current situation and demands.

## **2. Responsibility of Company**

2.1 Provide Faculty with requisite knowledge and experience in teaching all the software courses. The **COMPANY** will ensure substitute faculty of similar specialization, as per requirement.

## **3. Responsibility of the Institute**

3.1 Provide requisite infrastructure to conduct course, like Classrooms, Computer Hardare/Software, Computer Projector, black/white board, power, power backup and other necessary equipments.

3.2 The **INSTITUTE** will register students in course by adequate information to all relevant engineering streams.

3.3 The **INSTITUTE** will collect the course fee or any other fee pursuant to this Agreement from participating students in advance. The **INSTITUTE** will facilitate the collection of fees on behalf of students.

3.4 Reimburse fee as applicable to the **COMPANY** as per agreed terms.

3.5 Ensure that all the participating students attend course classes as per schedule and all required infrastructure is made available for uninterrupted classes.

3.6 Institute would ensure that all students are regular in attendance.

## **4. Duration for This Agreement**

4.1 The duration of this Agreement shall be for a period of August, 2024 from the date of signing and If not renewed or amended in writing the same shall be considered as expired and/or terminated.

## **5. Termination**

5.1 This agreement shall take effect immediately on the execution of these presents. This agreement can be terminated by any party by a written letter giving one month notice period.

5.2 Upon expiry of the notice period this agreement will be terminated & both the parties will settle their accounts within one month of termination of this agreement.

5.3 Any notice request or other communication required or permitted to be given or made under this agreement to the INSTITUTE or the COMPANY shall be in writing. Such notice or request shall have been given or made when it shall have been delivered by hand, with a copy by facsimile, to the party to which it is addressed at such party's address specified below or at such other address as such party shall have designed by notice to the party for giving such notice or making such request:

**C CUBE TECHNOLOGIES**  
49-c, 1st Floor, Amman Comple  
Opp.Abirami Theatre Road,  
E.V.N.Road,  
Erode Dist -638011.

**SENGUNTHAR ENGINEERING COLLEGE**  
(Autonomous)  
Kumaramangalam Road,  
Tiruchengode,  
Namakkal Dist-637 303.

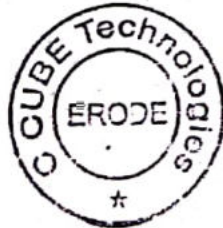
5.4 Nothing expect as otherwise specifically provided here in this agreement, shall bind each party's successors & permitted assignors.

5.5 The parties here to acting themselves or through representative duty authorized, have caused this agreement to be signed in their respective names as of the day & year written above.

*N. Kumar*

**CENTRE HEAD**

**C CUBE TECHNOLOGIES**  
49-c, 1st Floor, Amman Complex,  
Opp.Abirami Theatre Road,  
E.V.N.Road,  
Erode Dist -638011.



Place : Tiruchengode

Date : 01.06.2022

*[Signature]*  
01.06.2022  
**SECRETARY & CORRESPONDENT**

**Sengunthar Engineering College**  
(Autonomous)

Kumaramangalam (Po),  
Tiruchengode,  
Namakkal Dist-637 205.

SECRETARY & CORRESPONDENT,  
SENGUNTHAR ENGINEERING COLLEGE  
(AUTONOMOUS)  
TIRUCHENGODE - 637 205.

*[Signature]*



# SENGUNTHAR ENGINEERING COLLEGE

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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



Ref: SEC/NAC/2021-2022/02

Date: 30.05.2022

## Submitted to the Correspondent for Approval:

Sir,

Sub: Requesting permission for conducting value added courses - Reg.

We would like to bring to your kind consideration to accord approval to conduct the value added courses to the B.E. - II Year (Fourth Semester) students of all departments as per the curriculum. In this connection, MoUs are to be made between our Institution and Industries as Training Partner mentioned against respective Departments for mutual benefits on 01.06.2022.

INDUSTRY	DEPARTMENT	COURSE
EXTOLTECH SOLUTION, ERODE	CIVIL	SKETCHUP
EXTOLTECH SOLUTION, ERODE	CSE	PC HARDWARE TROUBLESHOOTING
EXTOLTECH SOLUTION, ERODE	ECE	MOBILE HARDWARE TROUBLESHOOTING
C-CUBE TECHNOLOGIES, ERODE	EEE	PCB DESIGN
EXTOLTECH SOLUTION, ERODE	MECH	SOLID WORKS

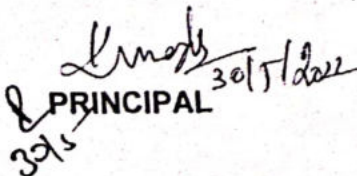
We request your permission for the same.

## Submitted by

1. S. ANAND KUMAR (S. Anand 30/5/22)
2. G. MOHESHKUMAR (G. Mohesh Kumar 30/5/22)
3. V. GOWTHAMAN (V. Gowthaman)
4. FOR K. PRASHANTH (K. Prashanth 30/5/22)
5. P. JAYADEESWARAN (P. Jayadeeswaran 30/5/22)

VAC I/C(s)

## Recommended by

  
PRINCIPAL  
30/5/22

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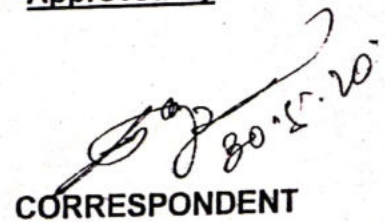
1. Office File
2. IQAC

## Forwarded by

1. M. Seenirajan (M. Seenirajan 30/5/22)
2. M. SATHISH (M. Sathish 30/5/22)
3. Dr. C. Arathi (Dr. C. Arathi 30/5/22)
4. Dr. K. Umadevi (Dr. K. Umadevi 30/5/22)
5. N. THIRU SENTHIL (N. Thiru Senthil 30/5/22)

HoD(s)

## Approved by

  
CORRESPONDENT  
30.5.2022



# SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

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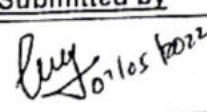
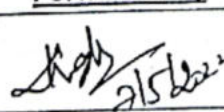
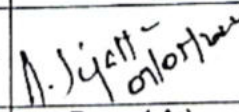
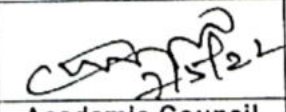
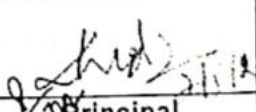
## APPROVAL FORM

FOR THE CONDUCTION OF INTERNAL MODE EXAMS TO NON CREDITED COURSES (EEC & MDC)

Date: 07.05.2022

Ref. No.: SEC/AC/CIA/2021-22/01

Department	EEE	Year / Semester	II / IV		
Branch	EEE	Section	-		
Regulation	2019				
Course Code & Name	19MDC401 – Value Added Courses -1				
Category of Course	Employability Enhancement Course			Mandatory Course ✓	
Faculty Name(s)	Name	Designation	Department		
	Mr.A.Tamilselvan	AP	EEE		
No. of Students in the Class	41				
Is Invigilation required?	No	No. of Invigilators required	Nil		
Mode of Exam	Pen and Paper	MCQ in Google Form	Oral Exam (Viva – Voce)	Demonstration ✓	
Duration	3 Hours				
Maximum Marks	100	Minimum Marks to Pass	50		
Question Pattern	CIA 1			CIA 2	
	Part A	Part B	Part C	Part A	Part B
No. of Questions	-	-	-	-	-
Mark of Each Question	-	-	-	-	-
Total Mark	-	-	-	-	-
Weightage of this Internal Mode Exams	CIA 1			CIA 2	
	-			-	
	CIA 3			CIA 3	
	-			100	

Submitted by	Forwarded by	Recommended by	Approved by
			
Faculty	HOD(s)	Dean ( A )	Academic Council / MS
			
			Principal

Copy to :

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SENGUNTHAR

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## SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956  
NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



19MDC401

VALUE ADDED COURSE – I

LTPC  
....

### OBJECTIVES

The main objective of this course is to:

- Create the basic m scripts, simulink model in electrical application.
- Learn the knowledge of printed circuit board.
- Develop embedded-system programming and interfacing technology.
- Educate on obtaining circuit designers better understand the operation of a SPICE circuit simulator and semiconductor device models with emphasis on Deep-Submicron(DSM) transistors.

### EITHER ONE OF THE COURSE IN THE LIST

- MAT LAB
- PCB DESIGN
- EMBEDDED SYSTEM
- PIECE SPICE SOFTWARE

### OUTCOMES

At the end of the course, the students will be able to:

- Understand the concept of m file and simulation.
- Design the printed circuit board various application.
- Aware the designing knowledge of embedded-system programming.
- Recognize the operation of a PIECE SPICE circuit simulator.

COURSE	PCB Design		
COLLEGE NAME	SFRUGUNTHAR ENGINEERING COLLEGE		
CLASS STARTING DATE	10/6/2022	CLASS ENDING DATE	17/6/2022
DEPT/YEAR	ECE / <sup>2nd</sup> YEAR	STAFF NAME	K. PRASHANTH

DAY	DATE	TOPICS	STAFF SIGN
1	10. 6. 2022	<u>INTRODUCTION TO PCB DESIGN</u>  INTRODUCTION ABOUT DIP TRACE. INTRODUCTION TO SCHEMATIC DIAGRAM DESIGN	K. Prashanth
		EDITING AND CREATING NEW COMPONENTS. CREATING THE NEW LIBRARIES COMPONENT PROPERTIES	K. Prashanth
2.	14. 6. 2022	TOOL PANEL SYMBOL LAYERS EDITING AND CREATING NEW PATTERNS.	K. Prashanth
		DRAWING LINES, RECTANGLE, POLYGONS ETC., ATTACH PATTERNS WITH COMPONENTS. PATTERN LIBRARY MANAGEMENT.	K. Prashanth
3	15. 6. 2022	PADS PROPERTIES PLACEMENT OF COMPONENTS COMPONENT LIBRARY MANAGEMENT	K. Prashanth
		SPICE SETTING PLACEMENT SETUP	K. Prashanth
4			

4	16.6.2022	CONVERT SCHEMATIC TO PCB. COMPARE PCB WITH SCHEMATICS	<i>K. Prashanth</i>
		ROUTE METHODS [MANUAL AND AUTO ROUTE]. PRINT, PREVIEW, TITLE AND SHEET SETUP BILL OF MATERIALS	<i>K. Prashanth</i>
5	17.6.2022	PROJECT WORK SUBMISSION	<i>K. Prashanth</i>

*K. Prashanth*  
STAFF SIGN



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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

II YEAR / IVSEM - ACADEMIC YEAR 2021-2022

SUBJECT CODE & NAME: 19MDC401 - PCB DESIGNING (VALUE ADDED COURSE - I)

ATTENDANCE ( 10.06.2022 TO 17.06.2022)

S.No	Reg No	Students Name	10.06.2022		14.06.2022		15.06.2022		16.06.2022		17.06.2022	
			N	N	N	N	N	N	N	N	N	N
1	202013002	BALAMURUGAN S	S. Bala	S. Bala	S. Bala	S. Bala	S. Bala	S. Bala	S. Bala	S. Bala	S. Bala	S. Bala
2	202013003	DURGESH KUMAR YADAV	D. Y	D. Y	D. Y	D. Y	D. Y	D. Y	D. Y	D. Y	D. Y	D. Y
3	202013004	GOWTHAM R	G. R	G. R	G. R	G. R	G. R	G. R	G. R	G. R	G. R	G. R
4	202013005	GUKAN P	G. P	G. P	G. P	G. P	G. P	G. P	G. P	G. P	G. P	G. P
5	202013006	GUNASEKARAN I	I. Gunasekaran	I. Gunasekaran	I. Gunasekaran	I. Gunasekaran	I. Gunasekaran	I. Gunasekaran	I. Gunasekaran	I. Gunasekaran	I. Gunasekaran	I. Gunasekaran
6	202013007	JAYASURYA D	D. Jayasurya	D. Jayasurya	D. Jayasurya	D. Jayasurya	D. Jayasurya	D. Jayasurya	D. Jayasurya	D. Jayasurya	D. Jayasurya	D. Jayasurya
7	202013008	KALAISELVI P	P. Kalaiselvi	P. Kalaiselvi	P. Kalaiselvi	P. Kalaiselvi	P. Kalaiselvi	P. Kalaiselvi	P. Kalaiselvi	P. Kalaiselvi	P. Kalaiselvi	P. Kalaiselvi
8	202013009	KAVYA M	M. Kavya	M. Kavya	M. Kavya	M. Kavya	M. Kavya	M. Kavya	M. Kavya	M. Kavya	M. Kavya	M. Kavya
9	202013010	KOWSALYA R	R. Kowsalya	R. Kowsalya	R. Kowsalya	R. Kowsalya	R. Kowsalya	R. Kowsalya	R. Kowsalya	R. Kowsalya	R. Kowsalya	R. Kowsalya
10	202013011	LALITHAASRI K	K. Lalithaasri	K. Lalithaasri	K. Lalithaasri	K. Lalithaasri	K. Lalithaasri	K. Lalithaasri	K. Lalithaasri	K. Lalithaasri	K. Lalithaasri	K. Lalithaasri
11	202013012	LOGESHWARAN M	M. Logeshwaran	M. Logeshwaran	M. Logeshwaran	M. Logeshwaran	M. Logeshwaran	M. Logeshwaran	M. Logeshwaran	M. Logeshwaran	M. Logeshwaran	M. Logeshwaran
12	202013013	MD SAIF	Md. Saif	Md. Saif	Md. Saif	Md. Saif	Md. Saif	Md. Saif	Md. Saif	Md. Saif	Md. Saif	Md. Saif
13	202013014	MOHANRAJ P	P. Mohanraj	P. Mohanraj	P. Mohanraj	P. Mohanraj	P. Mohanraj	P. Mohanraj	P. Mohanraj	P. Mohanraj	P. Mohanraj	P. Mohanraj
14	202013015	NISHANTH P	P. Nishanth	P. Nishanth	P. Nishanth	P. Nishanth	P. Nishanth	P. Nishanth	P. Nishanth	P. Nishanth	P. Nishanth	P. Nishanth
15	202013016	SRISANTH S	S. Srisanth	S. Srisanth	S. Srisanth	S. Srisanth	S. Srisanth	S. Srisanth	S. Srisanth	S. Srisanth	S. Srisanth	S. Srisanth
16	202013017	SUTHI M	M. Suthi	M. Suthi	M. Suthi	M. Suthi	M. Suthi	M. Suthi	M. Suthi	M. Suthi	M. Suthi	M. Suthi
17	202013018	VAIRAVAMOORTHY M	M. Vairavamoorthy	M. Vairavamoorthy	M. Vairavamoorthy	M. Vairavamoorthy	M. Vairavamoorthy	M. Vairavamoorthy	M. Vairavamoorthy	M. Vairavamoorthy	M. Vairavamoorthy	M. Vairavamoorthy
18	202013019	VENKATAJALAPATHI T	T. Venkatajalapathi	T. Venkatajalapathi	T. Venkatajalapathi	T. Venkatajalapathi	T. Venkatajalapathi	T. Venkatajalapathi	T. Venkatajalapathi	T. Venkatajalapathi	T. Venkatajalapathi	T. Venkatajalapathi
19	202013020	VINDHIYA K	K. Vindhya	K. Vindhya	K. Vindhya	K. Vindhya	K. Vindhya	K. Vindhya	K. Vindhya	K. Vindhya	K. Vindhya	K. Vindhya

20	202013301	ABIMANI. M	M. Abi	M. Abi	M. Abi	M. Abi	M. Abi	M. Abi	M. Abi	M. Abi	M. Abi
21	202013302	ANBAZHAGAN. M	A. Anbazhagan	A. Anbazhagan	A. Anbazhagan	A. Anbazhagan	A. Anbazhagan	A. Anbazhagan	A. Anbazhagan	A. Anbazhagan	A. Anbazhagan
22	202013303	ARUN PRASATH. R	R. Arun	R. Arun	R. Arun	R. Arun	R. Arun	R. Arun	R. Arun	R. Arun	R. Arun
23	202013305	ARUNPRASATH. V	V. Arun	V. Arun	V. Arun	V. Arun	V. Arun	V. Arun	V. Arun	V. Arun	V. Arun
24	202013306	ASWIN. M	M. Aswin	M. Aswin	M. Aswin	M. Aswin	M. Aswin	M. Aswin	M. Aswin	M. Aswin	M. Aswin
25	202013308	BOOPATHI. P	P. Boopathi	P. Boopathi	P. Boopathi	P. Boopathi	P. Boopathi	P. Boopathi	P. Boopathi	P. Boopathi	P. Boopathi
26	202013311	DHASARATHAN. R	R. Dhasarathan	R. Dhasarathan	R. Dhasarathan	R. Dhasarathan	R. Dhasarathan	R. Dhasarathan	R. Dhasarathan	R. Dhasarathan	R. Dhasarathan
27	202013317	KARTHICK. A	A. Karthick	A. Karthick	A. Karthick	A. Karthick	A. Karthick	A. Karthick	A. Karthick	A. Karthick	A. Karthick
28	202013319	KIRUTHIK VARSHAN. T	T. Kiruthik Varshan	T. Kiruthik Varshan	T. Kiruthik Varshan	T. Kiruthik Varshan	T. Kiruthik Varshan	T. Kiruthik Varshan	T. Kiruthik Varshan	T. Kiruthik Varshan	T. Kiruthik Varshan
29	202013321	MAHENDRAN. R	R. Mahendran	R. Mahendran	R. Mahendran	R. Mahendran	R. Mahendran	R. Mahendran	R. Mahendran	R. Mahendran	R. Mahendran
30	202013322	MANIKANDAN. K	K. Manikandan	K. Manikandan	K. Manikandan	K. Manikandan	K. Manikandan	K. Manikandan	K. Manikandan	K. Manikandan	K. Manikandan
31	202013323	MANIKANDAN. P	P. Manikandan	P. Manikandan	P. Manikandan	P. Manikandan	P. Manikandan	P. Manikandan	P. Manikandan	P. Manikandan	P. Manikandan
32	202013325	MOHANDAS. A	A. Mohandas	A. Mohandas	A. Mohandas	A. Mohandas	A. Mohandas	A. Mohandas	A. Mohandas	A. Mohandas	A. Mohandas
33	202013328	PRAVEEN. T	T. Praveen	T. Praveen	T. Praveen	T. Praveen	T. Praveen	T. Praveen	T. Praveen	T. Praveen	T. Praveen
34	202013329	PREMNATH. R	R. Premnath	R. Premnath	R. Premnath	R. Premnath	R. Premnath	R. Premnath	R. Premnath	R. Premnath	R. Premnath
35	202013330	SABARINATHAN. M	M. Sabarinathan	M. Sabarinathan	M. Sabarinathan	M. Sabarinathan	M. Sabarinathan	M. Sabarinathan	M. Sabarinathan	M. Sabarinathan	M. Sabarinathan
36	202013332	SILAMBARASAN. P	P. Silambarasan	P. Silambarasan	P. Silambarasan	P. Silambarasan	P. Silambarasan	P. Silambarasan	P. Silambarasan	P. Silambarasan	P. Silambarasan
37	202013333	SUDHARSAN. J. R	J. R. Sudharsan	J. R. Sudharsan	J. R. Sudharsan	J. R. Sudharsan	J. R. Sudharsan	J. R. Sudharsan	J. R. Sudharsan	J. R. Sudharsan	J. R. Sudharsan
38	202013334	SUJITHA. R	R. Sujitha	R. Sujitha	R. Sujitha	R. Sujitha	R. Sujitha	R. Sujitha	R. Sujitha	R. Sujitha	R. Sujitha
39	202013335	VENKATESH. N	N. Venkatesh	N. Venkatesh	N. Venkatesh	N. Venkatesh	N. Venkatesh	N. Venkatesh	N. Venkatesh	N. Venkatesh	N. Venkatesh
No of students Present			39	39	39	39	39	39	39	39	39
No of students absent			-	-	-	-	-	-	-	-	-
On Duty			-	-	-	-	-	-	-	-	-
Faculty Signature			[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
Courses Incharge			[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
HoD			[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]



**Sengunthar Engineering College(Autonomous), Tiruchengode - 637 205**  
(An Autonomous Institution, Affiliated to Anna University, Chennai)  
UG/PG END SEMESTER EXAMINATIONS - APR / MAY 2022

Programme : **B.E - ELECTRICAL AND ELECTRONICS ENGINEERING**

Batch : **2020**

Name of the subject : **Value Added Course - I**

Subject code : **19MDC401**

Semester : **4**

Date & Session : **27-06-2022 - FN**

S. No	Register No	Name of the candidates	Answer Book No	*Write AB for Absent	Signature of the candidate	Photo of the candidate
1	202013002	BALAMURUGAN S			S. Balamurugan	
2	202013003	DURGESH KUMAR YADAV			D. K. Yadav	
3	202013004	GOWTHAM R			R. Gowtham	
4	202013005	GUKAN P			P. Gukan	
5	202013006	GUNASEKARAN I			I. Gunasekaran	
6	202013007	JAYASURYA D			D. Jayasurya	
7	202013008	KALAISELVI P			P. Kalaiselvi	
8	202013009	KAVYA M			M. Kavya	
9	202013010	KOWSALYA R			R. Kowsalya	
10	202013011	LALITHASRI K			K. Lalitha Sri	
11	202013012	LOGESHWARAN M			M. Logeshwaran	

Present : **11**

Absent : **NIL**

Total : **11**

Certified that the following particulars have been verified:

1. The register No. of the attendance sheet with that in the hall ticket.
2. The identification of the candidate with the photo given in hall ticket.
3. The answer book number entered in the attendance sheet by the candidate with the Serial No. on the Answer Book.

\*Hall Superintendent should mark "AB" for Absent

*V. Nanthakumar*  
Signature of the Hall Superintendent with Name and Designation - Internal Examiner  
**APLEBB**  
**6123 - SEC**

*Karthick M.P.*  
Signature of the Chief Superintendent with Name and Designation  
**External Expert**

**KARTHICK .M.P.**  
**Sr. Design Engineer**  
**KAR Innovation**



**Sengunthar Engineering College(Autonomous) , Tiruchengode - 637 205**  
(An Autonomous Institution, Affiliated to Anna University , Chennai)  
UG/PG END SEMESTER EXAMINATIONS - APR / MAY 2022

Programme : B.E - ELECTRICAL AND ELECTRONICS ENGINEERING

Batch : 2020

Name of the subject : Value Added Course - I

Subject code : 19MDC401

Semester : 4

Date & Session : 27-06-2022 - FN

S. No	Register No	Name of the candidates	Answer Book No	*Write AB for Absent	Signature of the candidate	Photo of the candidate
12	202013013	MD SAIF			Md. Saif	
13	202013014	MOHANRAJ P			P. Mohanraj	
14	202013015	NISHANTH P			P. Nishanth	
15	202013016	SRISANTH S			S. Srisanth	
16	202013017	SUTHI M			M. Suthi	
17	202013018	VAIRAVAMOORTHY M			M. Vairavam	
18	202013019	VENKATAJALAPATHI T			T. Venkath	
19	202013020	VINDHIYA K			K. Vindhya	
20	202013301	ABIMANI M			M. Abimani	
21	202013302	ANBAZHAGAN M		- AB -		

Present : 09

Absent : 01

Total : 10

Certified that the following particulars have been verified:

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\*Hall Superintendent should mark "AB" for Absent

Signature of the Hall Superintendent with Name and Designation

V. Nanthakumar

APLEEE

6123 - SEC

Signature of the External Expert with Name and Designation

KARTHICK.M.P  
Sr. Design Engineer  
KAR Innovation



**Sengunthar Engineering College(Autonomous) , Tiruchengode - 637 205**  
(An Autonomous Institution, Affiliated to Anna University , Chennai)  
UG/PG END SEMESTER EXAMINATIONS - APR / MAY 2022

Programme : B.E - ELECTRICAL AND ELECTRONICS ENGINEERING

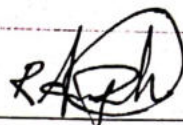



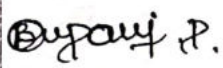



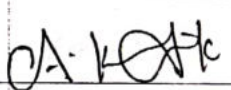



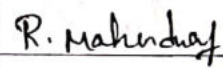



Name of the subject : Value Added Course - I

Batch : 2020

Subject code : 19MDC401

Semester : 4

Date & Session : 27-06-2022 - FN

S. No	Register No	Name of the candidates	Answer Book No	*Write AB for Absent	Signature of the candidate	Photo of the candidate
22	202013303	ARUN PRASATH R				
23	202013305	ARUNPRASATH V		AB		
24	202013306	ASWIN M		AB		
25	202013308	BOOPATHI P				
26	202013311	DHASARATHAN R				
27	202013317	KARTHICK A				
28	202013319	KIRUTHIK VARSHAN T				
29	202013321	MAHENDRAN R				
30	202013322	MANIKANDAN K		AB		
31	202013323	MANIKANDAN P		AB		

Present : 06

Absent : 04

Total : 10

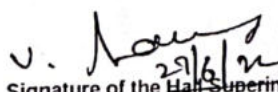
Certified that the following particulars have been verified:

\*Hall Superintendent should mark "AB" for Absent


1. The register No. of the attendance sheet with that in the hall ticket.
2. The identification of the candidate with the photo given in hall ticket.
3. The answer book number entered in the attendance sheet by the candidate with the Serial No. on the Answer Book.

Signature of the Hall Superintendent with Name

and Designation

  
V. Nanthakumar  
AP/EEE  
6123 - SEC

Signature of the External Expert with Name and Designation

  
KARTHICK. M.P.  
Sr. Design Engineer  
KAR Innovation



**Sengunthar Engineering College(Autonomous) , Tiruchengode - 637 205**  
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UG/PQ END SEMESTER EXAMINATIONS - APR / MAY 2022

**Programme : B.E - ELECTRICAL AND ELECTRONICS ENGINEERING**

**Batch : 2020**

**Name of the subject : Value Added Course - I**

**Subject code : 19MDC401**

**Semester : 4**

**Date & Session : 27-06-2022 - FN**

S. No	Register No	Name of the candidates	Answer Book No	*Write AB for Absent	Signature of the candidate	Photo of the candidate
32	202013325	MOHANDAS A		AB		
33	202013328	PRAVEEN T				
34	202013329	PREMNATH R				
35	202013330	SABARINATHAN M				
36	202013332	SILAMBARASAN P		AB		
37	202013333	SUDHARSAN J.R				
38	202013334	SUJITHA R		AB		
39	202013335	VENKATESH N				

**Present : 05**

**Absent : 03**

**Total : 08**

**Certified that the following particulars have been verified:**

**\*Hall Superintendent should mark "AB" for Absent**

1. The register No. of the attendance sheet with that in the hall ticket.
2. The identification of the candidate with the photo given in hall ticket.
3. The answer book number entered in the attendance sheet by the candidate with the Serial No. on the Answer Book.

Signature of the Hall Superintendent with Name and Designation

V. Nanthakumar  
AP/EEE  
6123 - SEC

Signature of the External Expert with Name and Designation

KARTHICK. M.P.  
Sr. Design Engineer  
KAR Innovation



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

Department of Electrical and Electronic Engineering

Student's Name : Md. saif Academic Year : II

Degree/Branch/Semester : BE-EEE-IV Course Duration (Hrs) : 40 Hrs

Name of the Value added Course : PCB course

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4) B-Good (3) C-Satisfactory (2) D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	Nil

Md. saif  
Student's Signature



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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

Department of Electrical and Electronics Engineering

Student's Name : P. Mohan Academic Year : 2021-2024

Degree/Branch/Semester : B.E. EEE / IV Course Duration (Hrs) : 40 HRS

Name of the Value added Course : PCB Course

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	<u>A</u>
2	The course contents are illustrated with adequate practical examples	<u>B</u>
3	Associative level of learning from Theory to Practical	<u>B</u>
4	Effectiveness of assignments/other activities given in the value added course	<u>A</u>
5	The competencies and skills developed from the Value added course are relevant to industry needs	<u>A</u>
6	Regularity and Punctuality and competency of the course instructor	<u>A</u>
7	The Interaction and Individual attention given by the course instructor	<u>B</u>
8	The outcome of the course exposes new knowledge and practices	<u>B</u>
9	Relevance of the Value added course content towards employability and entrepreneurship	<u>A</u>
10	Any other suggestions:	<u>B</u>

P. Mohan  
Student's Signature



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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

Department of Electrical And Electronics Engineering

Student's Name : K. Vinodhaya Academic Year : 2022-2024

Degree/Branch/Semester : B.E /EEE/IV Course Duration (Hrs) : 40 hours

Name of the Value added Course : PCB Design

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions:	-

K. Vinodhaya  
Student's Signature



# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956

NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

Department of Electrical and Electronics Engineering

Student's Name : A. KARTHICK Academic Year : 2021-2022

Degree/Branch/Semester : BE / EEE / IV Course Duration (Hrs) : 40

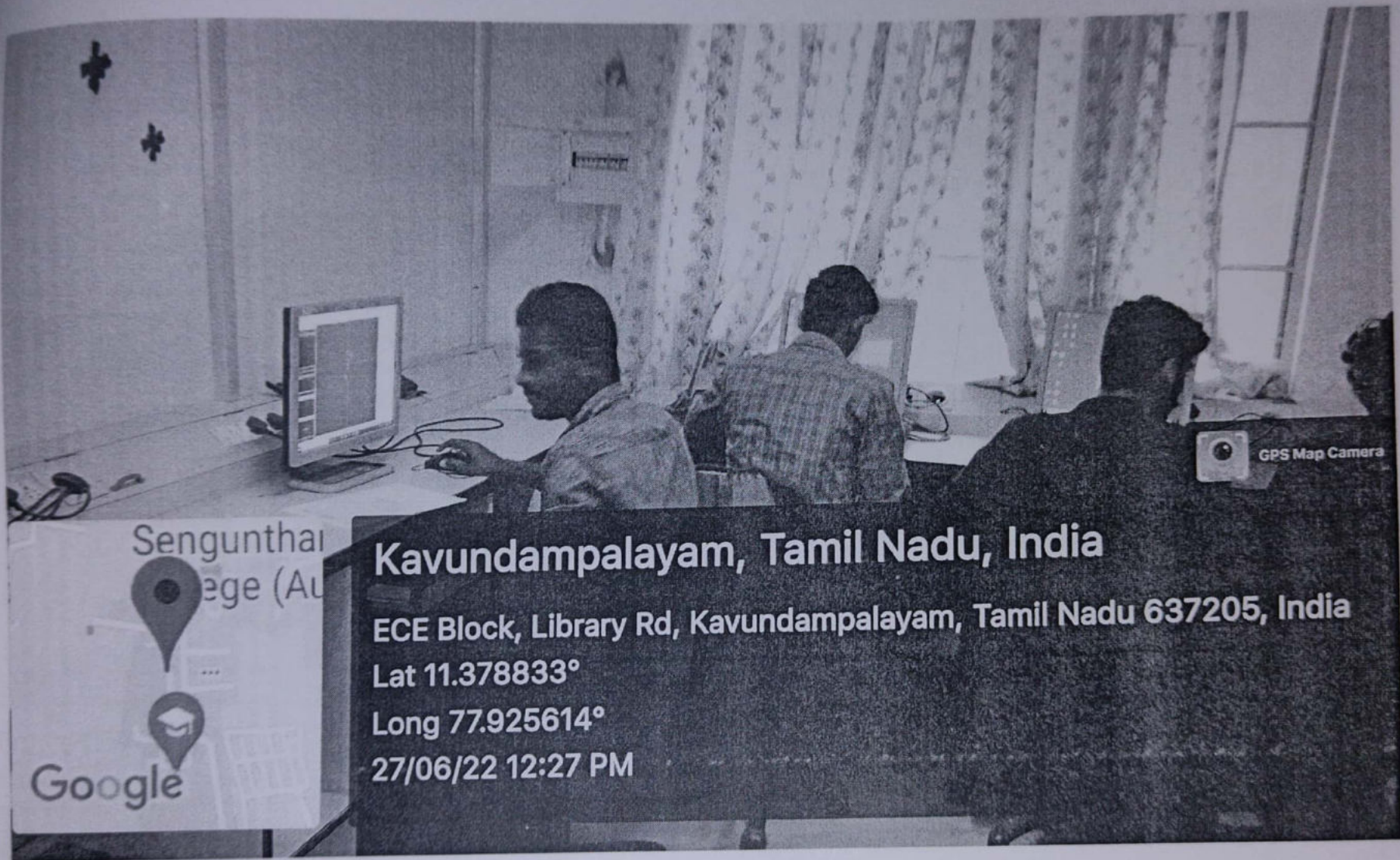
Name of the Value added Course : PCB design

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	B
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity and Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions:	No.

A. KARTHICK  
Student's Signature



**Kavundampalayam, Tamil Nadu, India**

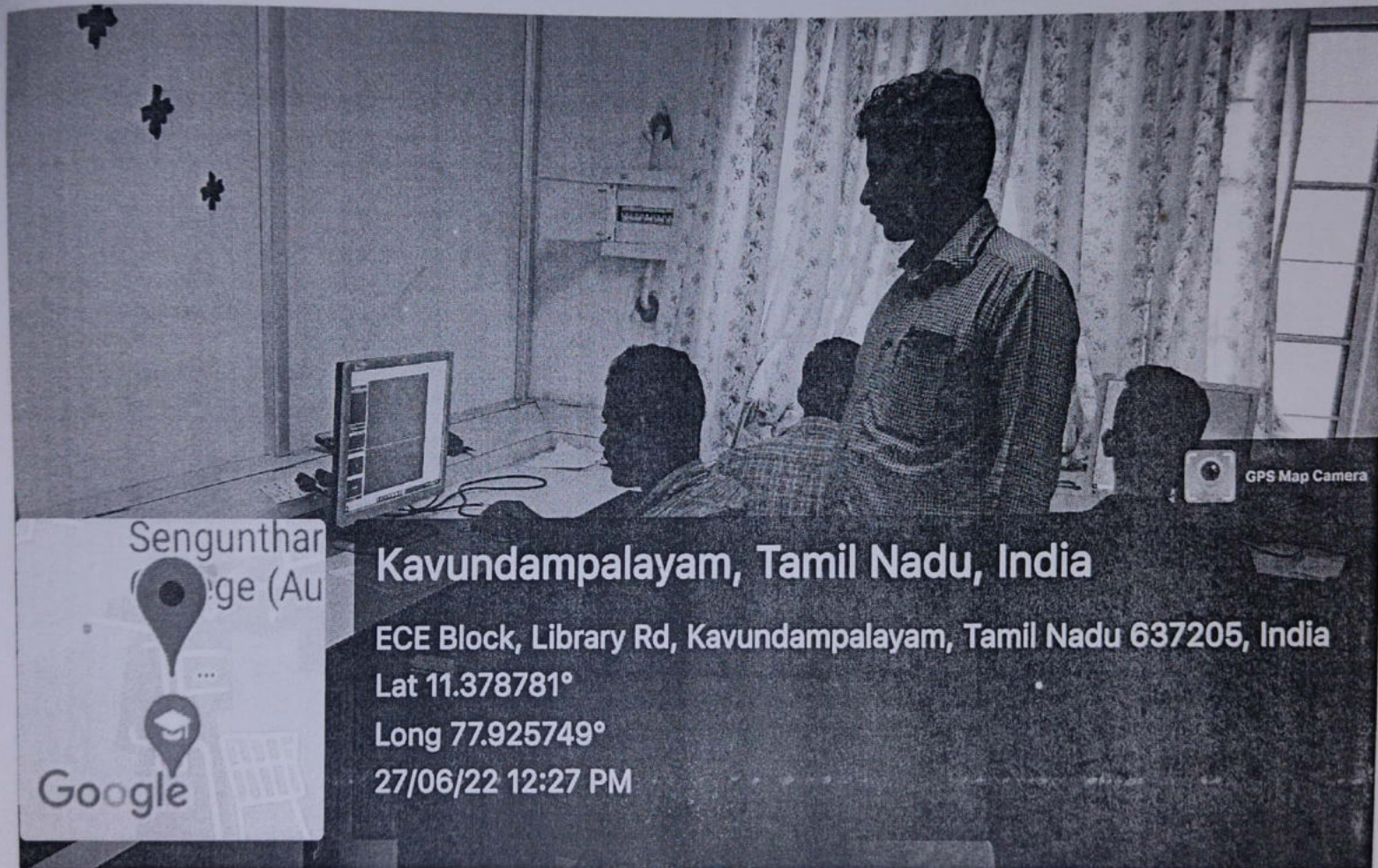
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**Long 77.925614°**

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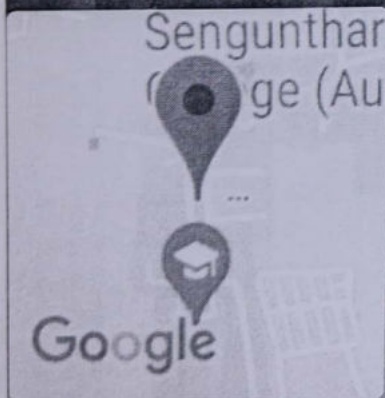
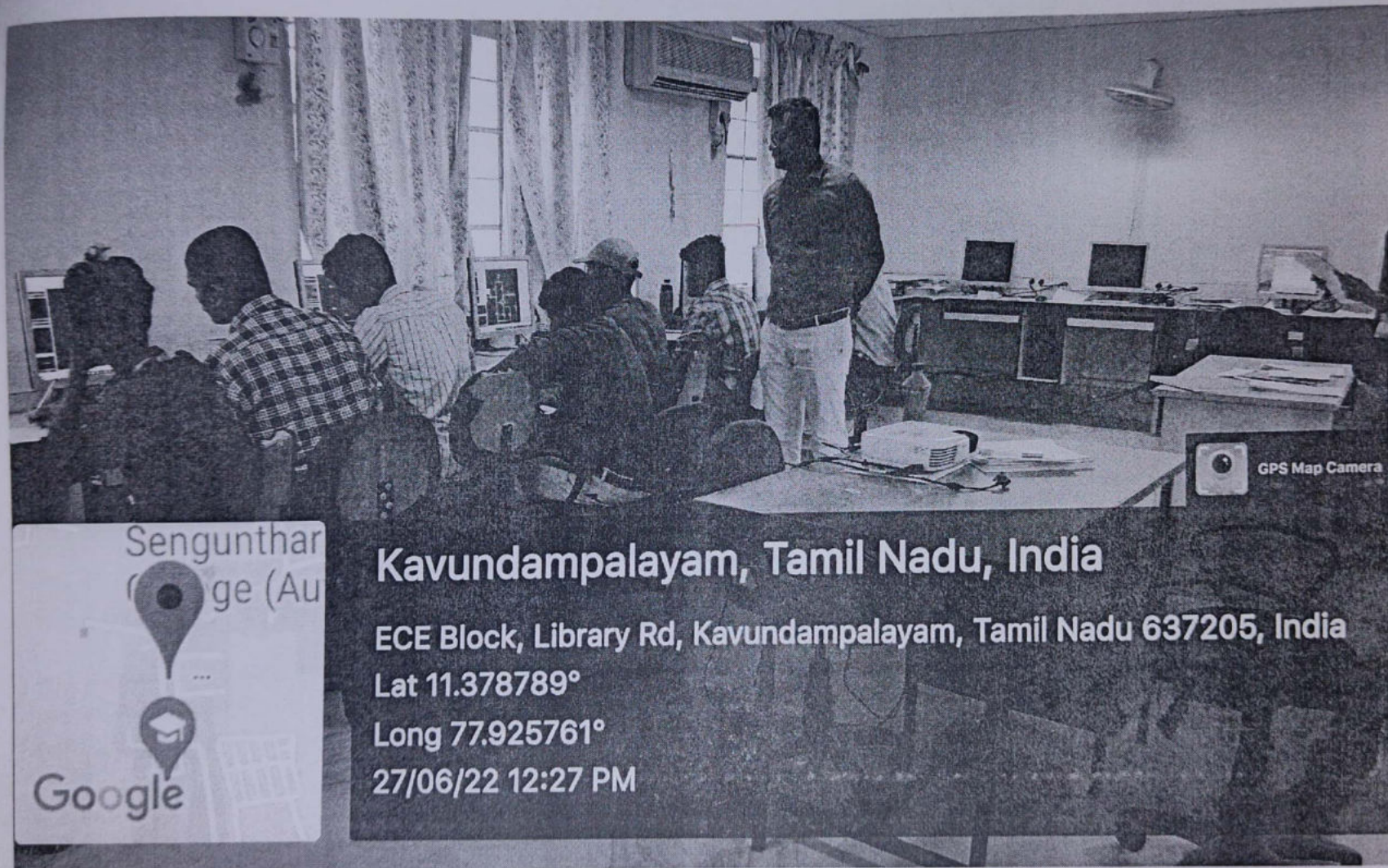
**Kavundampalayam, Tamil Nadu, India**

**ECE Block, Library Rd, Kavundampalayam, Tamil Nadu 637205, India**

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**Long 77.925749°**

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## Kavundampalayam, Tamil Nadu, India

ECE Block, Library Rd, Kavundampalayam, Tamil Nadu 637205, India

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Long 77.925761°

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# SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

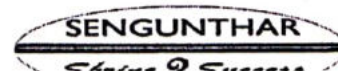
### CONTINUOUS INTERNAL ASSESSMENT 3

Academic Year : 2021 - 2022

Year/Sem : II/IV

Subject code/Subject Name: 19MDC401 / Value Added Course-I (PCB DESIGNING)

Roll No. / Reg. No.	Name of the Student	Marks statement				REMARKS
		CONCEPT /CODEING (30)	IMPLENTATION/ PRESENTATION (60)	VIVA VOCE (10)	TOTAL	
202013002	BALAMURUGAN S	30	60	08	98	Completed
202013003	DURGESH KUMAR YADAV	30	59	08	97	Completed
202013004	GOWTHAM R	30	60	09	99	Completed
202013005	GUKAN P	30	58	07	95	Completed
202013006	GUNASEKARAN I	30	58	08	96	Completed
202013007	JAYASURYA D	25	55	06	86	Completed
202013008	KALAISELVI P	30	60	09	99	Completed
202013009	KAVYA M	30	59	08	97	Completed
202013010	KOWSALYA R	30	58	08	96	Completed
202013011	LALITHAASRI K	29	59	07	95	Completed
202013012	LOGESHWARAN M	29	59	07	95	Completed





# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

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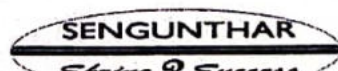
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202013013	MD SAIF	30	58	05	93	Completed
202013014	MOHANRAJ P	25	55	06	86	Completed
202013015	NISHANTH P	30	60	08	92	Completed
202013016	SRISANTH S	25	55	05	85	Completed
202013017	SUTHI M	25	55	03	83	Completed
202013018	VAIRAVAMOORTHY M	25	55	05	85	Completed
202013019	VENKATAJALAPATHI T	30	60	06	96	Completed
202013020	VINDHIYA K	30	60	03	93	Completed
202013301	ABIMANI. M	25	55	04	84	Completed
202013302	ANBAZHAGAN. M				AB	Not Completed
202013303	ARUN PRASATH. R	25	55	05	85	Completed
202013305	ARUNPRASATH. V				AB	Not Completed
202013306	ASWIN. M				AB	Not Completed
202013308	BOOPATHI. P	26	54	01	81	Completed
202013311	DHASARATHAN. R	30	55	05	90	Completed
202013317	KARTHICK. A	25	50	07	82	Completed
202013319	KIRUTHIK VARSHAN. T	30	60	05	95	Completed
202013321	MAHENDRAN. R	25	58	02	85	Completed
202013322	MANIKANDAN. K				AB	Not Completed





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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



202013323	MANIKANDAN. P				AB	Not Completed
202013325	MOHANDAS. A				AB	Not Completed
202013328	PRAVEEN .T	30	50	07	87	Completed
202013329	PREMNATH. R	25	55	02	82	Completed
202013330	SABARINATHAN. M	25	55	03	83	Completed
202013332	SILAMBARASAN. P				AB	Not Completed
202013333	SUDHARSAN. J. R	30	60	02	92	Completed
202013334	SUJITHA. R				AB	Not Completed
202013335	VENKATESH. N	25	55	02	82	Completed

U. Nanthan  
27/6/22  
INTERNAL EXAMINER

U. NANTHAN LUMAR

AP/EEE

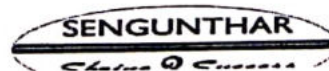
6123 - SEC

Karthick  
EXTERNAL EXPERT

KARTHICK. M.P.

Sr. Design Engineer.

KAR Innovation.





# SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



Department of Electrical and Electronics Engineering

## CONTINUOUS INTERNAL ASSESSMENT 3

### 19MDC401 – VALUE ADDED COURSE - I

Academic Year: 2022 - 2023

Class: II Year

Semester: IV

Date: 19.11.2022

PCB Designing

Timing: 3 Hours

### MCQ

1. Which phenomenon is not reduced by the circuit paths of lowest impedances especially provided by power and return planes for shielding purposes?  
a) Radiation  
b) Convection  
c) Noise  
d) Crosstalk
2. High current circuits are purposely located or placed near the edge of PCB in accordance to the supply lines for \_\_\_\_\_.  
a) Removal of heat  
b) Isolation of stray current  
c) Reduction of path length  
d) All of the above
3. Which among the below stated soldering methods is also renowned as 'High Frequency Resistance Soldering'?  
a) Iron Soldering  
b) Furnace Soldering  
c) Torch Soldering  
d) Electrical Soldering
4. Which among the below mentioned approaches belongs to the category of In-circuit Testing?  
a) Impedance Testing  
b) Component Testing  
c) Apply Signal and check output  
d) All of the above
5. Which type of solderability testing is carried out for the generation of solder sample due to immersion of wire or sheet metal specimen in a bath of molten solder?  
a) Solder Bath Testing  
b) Meniscus Rise Testing  
c) Solder Iron Testing

- d) None of the above
6. What is/are the necessity/ies to provide guarding to precision differential amplifiers?
- To increase leakage resistance
  - To reduce capacitance between signal conductors & ground
  - Both a and b
  - None of the above
7. Which among the below mentioned assertions is not a way of cross-talk reduction while designing digital PCBs?
- Decrease in the distance between conductors
  - Shielding of clock lines with guard strips
  - Reduction in the loop area of circuits
  - Avoid running of parallel traces for longer distances especially for asynchronous signals
8. Which among the below mentioned packages does not belong to the category of 'Small Outline Package'?
- SO
  - SOP
  - SOT
  - SON
9. Which among the below specified assertions is not a grounding consideration associated with ADC as well as DAC?
- Analog side to analog ground
  - Digital side to digital ground
  - Use of separate power supply and connection of their ground leads to single point reference
  - Reduction of inductive loop area between power and return trace
10. Which among the below stated devices/equipments are preferred for elimination of ground and supply line noise especially in TTL/CMOS / ECL PCB designing?
- Coupling capacitor
  - Decoupling capacitor
  - Snubber circuits
  - All of the above
11. Which among the below specified condition is precise in the crosstalk verification mechanism using logic flow in opposite direction with the limit of avoiding dangerous interference in digital PCB designing?
- $Z_{\text{even}} > Z_{\text{odd}}$
  - $Z_{\text{odd}} \geq 0.5 Z_{\text{even}}$
  - $Z_{\text{odd}} \geq 0.8 Z_{\text{even}}$
  - $Z_{\text{odd}} = Z_{\text{even}}$
12. Which terminology of PCB represents a thin photo-sensitive polymer by supporting photographic pattern of single traces or IC pads for etching?
- Prepreg
  - Etching

- c) Photo-resist
- d) Solder mask

13. Which problems are about to occur if PCB is not designed properly in a confined manner for digital circuits?

- A. Diffraction
  - B. Refraction
  - C. Ground & Supply-line Noise
  - D. Electromagnetic Interference
- a) A & B
  - b) B & C
  - c) C & D
  - d) A, B, C, D

14. Which among the following assists in obtaining the desired value of wave impedance in reflection phase while designing digital PCBs?

- A. Width of signal lines
  - B. Distance between signal line and ground line
  - C. Signal Delays
  - D. Double Pulsing
- a) A & B
  - b) B & C
  - c) C & D
  - d) A, B, C, D

15. What should be the resistance of 0.6 mm wide conductor with 15 cm length and 25  $\mu\text{m}$  thickness of standard copper foil? (Assume  $\rho = 1.7241 \times 10^{-6}$  (at 20° C)

- a) 118.2 m $\Omega$
- b) 138.2 m $\Omega$
- c) 172.4 m $\Omega$
- d) 192.4 m $\Omega$

16. The actual cost of PCB can be evaluated on the basis of \_\_\_\_\_

- a) PCB size & material
- b) Number of layers
- c) Vias on PCB
- d) All of the above

17. Which factors contribute to the occurrence of mechanical stress?

- a) Resonance
- b) Cracked Solder Joints
- c) Both a and b
- d) None of the above

18. Which type of PCB requires minimum soldering on component side in order to avoid replacement oriented difficulties?

- a) Single-sided PCB
- b) Double-sided PCB

c) Both a and b

d) None of the above

19. What effects can be observed if the separate power and ground planes are provided with large conducting surfaces for better decoupling in PCB layouts?

a) Increase in self-inductance

b) Reduction in self-inductance

c) Stability in self-inductance

d) None of the above

20. What is PCB Design?

21. What is a PCB made from?

22. What Materials are used for PCBs?

23. Why Copper is used in PCB?

24. What data is required for the PCB design quote?

25. What is PAD in PCB?

N. Nanthakumar  
INTERNAL EXAMINER

N. Nanthakumar

AP/EEE

6123-SEC

M. P. Karthick  
EXTERNAL EXPERT

M. P. Karthick

Sr. Design Engg

Cube Tech

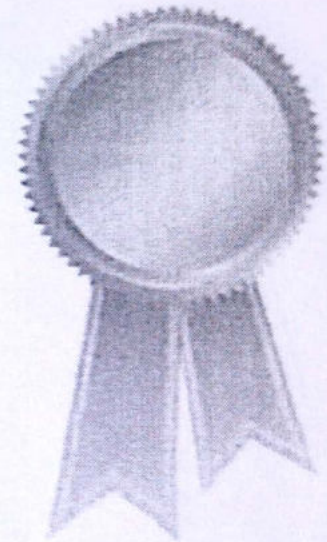
# Certificate of Completion

This Certificate is Presented to

*Gowtham R*

for successfully completing the training course on

## PCB Design



[www.ccubetechnologies.com](http://www.ccubetechnologies.com)

ID Number: E22CG006

Certificate Number: CG22448

27.06.2022

Awarded On

40 Hrs

Duration

Erode

Training Centre

Managing Director

# Certificate of Completion

This Certificate is Presented to

*Balamurugan S*

for successfully completing the training course on

**PCB Design**



ID Number: E22CG006

Certificate Number: CG22446

27.06.2022

Awarded On

40 Hrs

Duration

Erode

Training Centre

Managing Director

# Certificate of Completion

This Certificate is Presented to

*Gunasekaran I*

for successfully completing the training course on

## PCB Design



**CCUBE**<sup>®</sup>

TECHNOLOGIES

[www.ccubetechnologies.com](http://www.ccubetechnologies.com)

ID Number: E22CG006

Certificate Number: CG22450

27.06.2022

Awarded On

40 Hrs

Duration

Erode

Training Centre

Managing Director

# Certificate of Completion

This Certificate is Presented to

*Kavya M*

for successfully completing the training course on

## PCB Design



ID Number: E22CG006

Certificate Number: CG22453

27.06.2022

Awarded On

40 Hrs

Duration

Erode

Training Centre

Managing Director

*Submitted to The Coordinator Sir*

*Dr. B. G. S. / 21*

2021

4I

Institution-Industry-Instructor-

Interaction

## CAD/CAM/CAE/PPM/Software/Networking/Embedded Training Program Proposal



Software

Networking

Embedded

Mechanical CAD

Civil CAD

Electrical CAD

Project Planning &  
Management

Multimedia

Interior Design

**CL****COVER LETTER**

From

06.09.2021

EXTOL TECH SOLUTION,  
159, Amman Complex, 2<sup>nd</sup> Floor,  
Mettur Road, Land Mark Near Hotel Regency,  
Erode-638011.

To

The Principal,  
Sengunthar Engineering College (Autonomous),  
Tiruchengode – 637 205

Dear Sir,

Enclosed herewith is a formal proposal for the establishment of 4I- Institution Industry Instructor Interaction Adoption Program. The main objective of this is to help students connect with CAD/CAM/CAE/PPM/Software/Networking/Embedded/Multimedia Project Management Skills, thus bridging the gap between academic and the industry

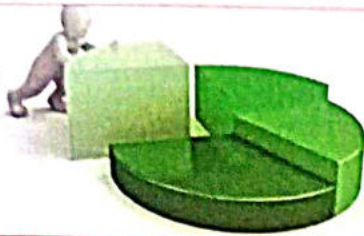
I trust and agree that this collaborative project can make a genuine impact for the students in the field CAD/CAM/CAE/PPM/Software/Networking/Embedded/Multimedia through effective combination of monitoring, focused curriculum and career exploration for through assessment of opportunities in the marketplace and a detailed plan. I look forward to the possibility of working with you to make 4I a success in the coming months and years. Along with this, list of the courses and fees.

Kindly go through and opt which suit you best. Hope you will get impressed and proposed with us. I am eager very eagerly waiting for your response and contact us as soon as possible at (0424) 4031055, 9965631055, 9087179955.

Thanks & Regards,

  
Project Manager



**KH**

## KEY HIGHLIGHTS

- In house technical expertise
- Helping students connect with 21<sup>st</sup> Century skills.
- Providing quality education at reasonable cost.
- Fostering innovative learning in the academic environment
- Coming resources to help drive change in education
- Placement assistance
- Scholarship
- New product updates through technical seminars
- Increase in employment opportunities.
- Best Curriculum to emphasize on the topics which are developed at par with the industry standards.
- Project will submit after completion of the course.
- To produce skilled manpower
- To produce ability to work as part of a Industrial team.
- To strong analytical mind
- Increased team efficiency by implementing Agile methodology
- Bridging the gap between Academia and Industry.

## VALUE ADDED TRAINING

SL.NO	SOFTWARE DETAIL	DURATION IN HOURS	TRAINING FEES PER STUDENT (RS.)
1	WEB TECHNOLOGY	50	1500
2	ANSYS	50	1500
3	MICRO PYTHON	50	1500
4	STAAD PRO	50	1500





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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



Ref: SEC/VAC/2021-2022/01

Date: 08.09.2021

## Submitted to the Correspondent for Approval:

Sir,

Sub: Requesting permission for conducting value added courses - Reg.

We would like to bring to your kind consideration to accord approval to conduct the value added courses to the B.E. - III year (fifth semester) students of all departments as per the curriculum. In this connection, MoUs are to be made between our Institution and Industries as Training Partner mentioned against respective Departments for mutual benefits on 13.09.2021.

INDUSTRY	DEPARTMENT	COURSE
EXTOLTECH SOLUTION, ERODE	CIVIL	STAAD PRO
EXTOLTECH SOLUTION, ERODE	CSE	WEB TECHNOLOGY
EXTOLTECH SOLUTION, ERODE	ECE	MICRO PYTHON
C-CUBE TECHNOLOGIES, ERODE	EEE	ELECTRICAL CAD
EXTOLTECH SOLUTION, ERODE	MECH	ANSYS

We request your permission for the same.

## Submitted by

1. S. ANAND KUMAR [S. Anand Kumar] 8/9/21
2. G. MOHESHKUMAR [G. Mohesh Kumar] 8/9/21
3. V. GOWTHAMAN [V. Gowthaman] 8/9/21
4. A. TAMILSELVAN [A. Tamil Selvan] 8/9/21
5. P. JANADEESWARAN [P. Janadeeswaran] 8/9/21

VAC I/C(s)

## Recommended by

*[Signature]*  
PRINCIPAL

Copy to:

1. Office File
2. IQAC

## Forwarded by

1. M. Seenirajan [M. Seenirajan] 8/9/21
2. Dr. M. SAKTHIVEL [Dr. M. Sakthivel] 8/9/21
3. Dr. C. AARTHS [Dr. C. Arths] 8/9/21
4. Dr. K. Umadevi [Dr. K. Umadevi] 8/9/2021
5. N. Thiru [N. Thiru] 8.9.21.  
(N. THIRU SENTHIL ADHIBAN)  
HoD(s)

## Approved by

*[Signature]*  
CORRESPONDENT

**Memorandum of Understanding**  
**Between**  
**Sengunthar Engineering College (Autonomous), Tiruchengode**  
**And**  
**EXTOLTECH SOLUTION, Erode.**

This Agreement is made on 13.09.2021 between  
**Sengunthar Engineering College (Autonomous), Tiruchengode**  
**And**  
**EXTOLTECH SOLUTION, Erode.**

Sengunthar Engineering College (Autonomous) is a leading educational institute in Tiruchengode providing various Degree programs approved by AICTE, hereinafter referred as INSTITUTE.

And

EXTOLTECH SOLUTION having its office at 159, Amman Complex, Mettur Road, Erode - 639001. EXTOLTECH SOLUTION specializes in software development on all Softwares, hereinafter referred as COMPANY.

**1. Now therefore both the parties hereby agree as follows:**

- 1.1 COMPANY** will conduct CAD, CAM, CAE, Software and Networking Courses for students of INSTITUTE at Institute premises by providing specialized and certified Faculty Members.
- 1.2 Both parties** will create better awareness and products of all softwares for better employability of participants at INSTITUTE.
- 1.3 COMPANY** in consultation with INSTITUTE, will create and refine courses as per current software program, industry demands and accreditation requirements.
- 1.4 COMPANY** will support for final year students placements.
- 1.5 Course fee & reimbursement** will be as per ANNEXURE - 1

## **2. Responsibility of Company**

- 2.1 Provide Faculty with requisite knowledge and experience in teaching the Courses. Company will ensure substitute faculty of similar specialization, as per requirement.

## **3. Responsibility of the Institute**

- 3.1 Provide requisite infrastructure to conduct course, like Classrooms, Computer Hardare/Software, Computer Projector, black/white board, power, power backup and other necessary equipments.
- 3.2 INSTITUTE will register students in Course by adequate information to all relevant engineering streams.
- 3.3 INSTITUTE will collect the course fee or any other fee pursuant to this Agreement from participating students in advance. INSTITUTE will facilitate the collection of fees on behalf of students.
- 3.4 Reimburse fee as applicable to COMPANY as per agreed terms.
- 3.5 Ensure that all the participating students attend Course Classes as per schedule and all Required infrastructure is made available for uninterrupted classes.
- 3.6 Institute would ensure that all students are regular in attendance.

## **4. Duration for this Agreement**

- 4.1 The duration of this Agreement shall be for a period of 5 years from the date of signing and If not renewed or amended in writing the same shall be considered as expired and/or terminated.

## **5. Termination**

- 5.1 This agreement shall take effect immediately on the execution of these presents. This agreement can be terminated by any party by a written letter giving one month notice period.
- 5.2 Upon expiry of the notice period this agreement will be terminated & both the parties will settle their accounts within one month of termination of this agreement.

5.3 Any notice request or other communication required or permitted to be given or made under this agreement to INSTITUTE or COMPANY shall be in writing. Such notice or request shall have been given or made when it shall have been delivered by hand, with a copy by facsimile, to the party to which it is addressed at such party's address specified below or at such other address as such party shall have designated by notice to the party for giving such notice or making such request:

**ETOLTECH SOLUTION,**

159, Annam Complex, 2<sup>nd</sup> Floor,

Mettur Road,

Erode-638111.

**Sengunthar Engineering College**

(Autonomous)

Kumarasangam (Po),

Tiruchengode,

Namakkal Dist-637 215.

5.4 Nothing except as otherwise specifically provided here in this agreement, shall bind each party's successors & permitted assignors.

5.5 The parties hereto acting themselves or through representative duly authorized, have caused this agreement to be signed in their respective names as of the day & year written above.



**CENTRE HEAD**

**ETOLTECH SOLUTION,**

159, Annam Complex, 2<sup>nd</sup> Floor,

Mettur Road,

Erode-638111.



Place : Tiruchengode

Date : 13/09/2021



**SECRETARY & CORRESPONDENT**

**Sengunthar Engineering College (Autonomous)**

Kumarasangam (Po),

Tiruchengode,

Namakkal Dist-637 215.

**SECRETARY & CORRESPONDENT,  
SENGUNTHAR ENGINEERING COLLEGE  
TIRUCHENGODE - 637 215.**

Annexure I

**INSTITUTE OFFER**

SL.NO	SOFTWARE DETAILS	DURATION IN HOURS	TRAINING FEES PER STUDENT (RS.)
1.	STAAD PRO	50	1500
2.	WEB TECHNOLOGY	50	1500
3.	MICRO PYTHON	50	1500
4.	ANSYS	50	1500

**Terms and Conditions:**

1. 50% of Training fees will be paid on commencement of the course and balance.  
50% of Training fees will be paid at the time of completion of course.
2. The availed offer for the successive course is strictly only for enrolled students.



**CENTRE HEAD**

**EXTOLTECH SOLUTION,  
159, Amman Complex, 2<sup>nd</sup> Floor,  
Mettur Road,  
Erode-638011.**



Place : Tiruchengode

Date : 13.09.2021

 13.9.2021

**SECRETARY & CORRESPONDENT**

**Sengunthar Engineering College  
(Autonomous)  
Kumaramangalam (Po),  
Tiruchengode,  
Namakkal Dist-637 205.**

**SECRETARY & CORRESPONDENT.  
SENGUNTHAR ENGINEERING COLLEGE,  
TIRUCHENGODE - 637 205.**

**ANSYS****Extol Tech Solution**

SOFTWARE NAME: ANSYS WORKBENCH

COLLEGE NAME : Sengunthar Engineering College

DEPT: Mechanical Engineering

STARTING DATE: 20-12-2021

YEAR/SECTION: 3rd Year

ENDING DATE : 29-12-2021

TRAINER NAME: R. Balakrishnan

INCHARGE NAME/MOB NO :

S.NO	DATE	SYLLABUS	SIGNATURE	
			TRAINER	STAFF
ANSYS WORKBENCH				
1	20-12-21	<u>INTRODUCTION TO ANSYS AND BASIC USAGE.</u> <ul style="list-style-type: none"><li>OVERVIEW OF FEM</li><li>FEA MODEL ENTITIES (NODES AND ELEMENTS)</li><li>STRENGTH OF MATERIALS</li><li>STIFFNESS AND STRENGTH</li><li>PLANE STRESS, PLANE STRAIN, STIFFNESS MATRIX</li><li>STIFFNESS METHOD AND FLEXIBILITY METHOD</li><li>ANSYS PRODUCTS</li><li>OVERVIEW OF BOUNDARY CONDITIONS,</li><li>GENERAL ANALYSIS PROCEDURE.</li></ul>	R. Balakrishnan 20-12-21	P. Balakrishnan 21/12/21
	20-12-21			
2	21-12-21	<ul style="list-style-type: none"><li>ANSYS WORKBENCH GUI</li><li>MEMORY MANAGEMENT.</li><li>GENERAL PROCEDURE FOR MESHING</li><li>GENERAL PROCEDURE FOR POST PROCESSING</li></ul>	R. Balakrishnan 21-12-21	P. Balakrishnan 21/12/21
3	22-12-21	<u>INTRODUCTION TO SKETCHER.</u> <u>1.DRAW TOOL BAR</u> <ul style="list-style-type: none"><li>LINE,TANGENT LINE ,LINE BY 2 TANGENT,POLYLINE ,POLYGON,RECTANGLE,RECTANGLE BY 3 POINTS,OVAl,</li><li>CIRCLE, CIRCLE BY 3 POINTS.etc.</li></ul> <u>2.MODIFY TOOL BAR</u> <ul style="list-style-type: none"><li>FILLET,CHAMFER,COENNER, TRIM ,EXTEND,DRAG,CUT,COPY,PASTE,MOVE,REPLICATE,</li><li>DUPLICATE, OFFSET, SPLINE EDIY...ETC</li></ul>	R. Balakrishnan 22-12-21	P. Balakrishnan 24/12/21
4	22-12-21	<u>3.DIMENSION TOOL BAR</u> <ul style="list-style-type: none"><li>GENTRAL,HORIZANRAL,VERTIACAL,LENGTH,RADIUS,DIAMETER,</li><li>ANGLE,SEMI AUTOMATIC,EDIT,MOVE,ANIMATE...ETC</li></ul> <u>4. CONSTRAIN TOOL BAR</u> <ul style="list-style-type: none"><li>HORIZONTAL,VERTICAL,PERPENDICULAR,TANGEN</li><li>T,COINCIDENT,MIDPOINT,SYMMENTRY,PARALLE</li><li>L, CONCENTRIC, EQUAL RADIUS, EQUAL LENGTH.ETC</li></ul> <u>5.SETTINGS</u> GRID, MAJOR GRIDE SPACING, MINOR STEPS BY MAJOR, SNAPS PER MINOR.ETC	R. Balakrishnan 22-12-21	P. Balakrishnan 22/12/21
	23-12-21			



**ANSYS®****Extol Tech Solution**

5	23-12-21 25-12-21	<b><u>STATIC STRUCTURAL ANALYSIS:</u></b> <b><u>1. MODELING OPTIONS</u></b> <ul style="list-style-type: none"> <li>▪ EXTRUDE, REVOLVE,</li> <li>▪ SWEEP</li> <li>▪ SKIN/LOFT, THIN SURFACE, BLEND</li> <li>▪ CHAMFER, HOLE... ETC</li> <li>▪ EXTRUDE CUT,</li> <li>▪ REVOLVE CUT, SWEEP CUT</li> </ul>	R. B. Chinn 23-12-21	P. B. Chinn 23/12/21
6	23-12-21 23-12-21	<b><u>2. PATTERN FEATURE</u></b> <ul style="list-style-type: none"> <li>▪ LINEAR PATTERN,</li> <li>▪ CIRCULAR PATTERN</li> <li>▪ RECTANGULAR PATTERN...</li> </ul> <b><u>3. BOOLEAN OPERATION:</u></b> <ul style="list-style-type: none"> <li>▪ UNITE,</li> <li>▪ SUBTRACT,</li> <li>▪ INTERSECT.</li> </ul>	R. B. Chinn 23-12-21	P. B. Chinn 23/12/21
7	24-12-21	<b><u>DEFINING MATERIAL PROPERTIES:</u></b> ENGINEERING DATA WORKSPACE, CREATING AND ADDING NEW MATERIAL <b><u>MESHING:</u></b> <ul style="list-style-type: none"> <li>▪ CREATING FINITE ELEMENT MODELS (MESHING).</li> <li>▪ ELEMENT ATTRIBUTES</li> <li>▪ MESH CONTROLS</li> <li>▪ GENERATING MESH</li> <li>▪ REFINING THE MESH</li> <li>▪ PREPARING MODELS FOR MESH</li> <li>▪ MESH IMPORT</li> </ul>	R. B. Chinn 24-12-21	P. B. Chinn 24/12/21
8	24-12-21 24-12-21	<b><u>STATIC STRUCTURAL ANALYSIS:</u></b> <b><u>1. 1D ELEMENT ANALYSIS WITH BEAM IN VARIOUS CROSS SECTIONS</u></b> <ul style="list-style-type: none"> <li>• RECTANGULAR CROSS SECTION</li> <li>• I CROSS SECTION TRUSS</li> <li>• L-CROSS SECTION TRUSS</li> </ul> <b><u>2. 2D ELEMENT ANALYSIS (R) SHEET METAL ANALYSIS</u></b> <ul style="list-style-type: none"> <li>• SHEET METAL PLATE WITH HOLE</li> </ul>	R. B. Chinn 24-12-21	P. B. Chinn 24/12/21
9	25-12-21	<b><u>3. 3D ANALYSIS (R) SOLID MODELING ANALYSIS.</u></b> <ul style="list-style-type: none"> <li>▪ STRUCTURAL ANALYSIS FOR MODEL 1</li> <li>▪ STRUCTURAL ANALYSIS OF MODEL 2</li> </ul>	R. B. Chinn 25-12-21	P. B. Chinn 25/12/21



		<ul style="list-style-type: none"> <li>STRUCTURAL ANALYSIS OF MODEL 3</li> </ul>	<i>R. Balan</i> <i>25/12/21</i>	<i>R. Balan</i> <i>25/12/21</i>
10	25.12.21	<b>4. ASSEMBLY OBJECT ANALYSIS (R) CONTACT ANALYSIS</b> <ul style="list-style-type: none"> <li>ASSEMBLY OBJECT ANALYSIS FOR YOKE</li> <li>ASSEMBLY OBJECT ANALYSIS FOR SCREW JACK</li> <li>ASSEMBLY OBJECT ANALYSIS SLEEVE AND COTTER JOINT</li> <li>ASSEMBLY OBJECT ANALYSIS FOR UNIVERSEL COUPLER</li> </ul>	<i>R. Balan</i> <i>25/12/21</i>	<i>R. Balan</i> <i>25/12/21</i>
11	26.12.21	<b>DYNAMICS ANALYSIS:</b> <ul style="list-style-type: none"> <li>1. MODAL ANALYSIS (R) NATURAL VIBRATION ANALYSIS FOR DIFFERENT MATERIAL WITH HOP MODES</li> <li>MODAL ANALYSIS FOR 1D CANTILEVER BEAM</li> <li>MODAL ANALYSIS FOR AEROPLANE WINGS</li> <li>2. HARMONIC RESPONSE WITH RECTANGULAR CROSS SECTION BEAM METHOD.</li> </ul>	<i>R. Balan</i> <i>28.12.21</i>	<i>R. Balan</i> <i>28/12/21</i>
12	26.12.21	<b>STEADY STATE THERMAL ANALYSIS:</b> <b>CONDUCTION:</b> <ul style="list-style-type: none"> <li>OVERVIEW OF BASIC HEAT TRANSFER.</li> <li>ELEMENTS USED IN THERMAL ANALYSIS</li> <li>LOADS AND BC'S</li> <li>SOLUTION OF CONDUCTION PROBLEMS.</li> </ul>	<i>R. Balan</i> <i>28/12/21</i>	<i>R. Balan</i> <i>28/12/21</i>
13	26.12.21	<b>CONVECTION:</b> <ul style="list-style-type: none"> <li>SOLUTION OF CONVECTION PROBLEMS</li> <li>CREATE REPORT FOR ANALYSIS</li> <li>CAPTURE THE IMAGE</li> <li>HEAT TRANSFER ANALYSIS ON HEAT SINKS.</li> <li>STRESS ANALYSIS OF A HYDRAULIC PRESS FRAME.</li> <li>FATIGUE LIFE CALCULATIONS ON A CONNECTING ROD.</li> </ul>	<i>R. Balan</i> <i>28/12/21</i>	<i>R. Balan</i> <i>28/12/21</i>
14	29/12/21	<ul style="list-style-type: none"> <li>PROJECT.</li> </ul>	<i>R. Balan</i> <i>29/12/21</i>	<i>R. Balan</i> <i>29/12/21</i>





# SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



MDC501

VALUE ADDED COURSE - II  
(ANSYS)

L T P C

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## OBJECTIVES

The main objective of this course is to:

- Acquire skill in finite element simulations using commercially available software.
- Know the steps involved in discretization of the cad model using various elements.
- Learn the steps involved in solving structural problems with given specifications.
- Gain knowledge on modal and harmonic analysis.
- Understand the thermal analysis with given specifications.

## COURSE CONTENTS

- a. Analysis of a plate with a circular hole.
- b. Analysis of beams (Cantilever, Simply supported and Fixed ends).
- c. Analysis of truss component.
- d. Analysis of an Axi-symmetric component.
- e. Modal analysis of a component.
- f. Harmonic analysis of a component.
- g. Thermal mixed boundary conditions (Conduction and

## Convection).OUTCOMES

At the end of the course, the students will be able to:

- Solve structural analysis problems using one dimensional and two dimensional elements.
- Determine numerical solution of problem using axi-symmetric condition.
- Evaluate various model of failure of a machine component using Modal analysis.
- Apply harmonic analysis to find the response of a structural system using simulation.
- Analyze engineering heat transfer problem under given boundary conditions.

## TEXT BOOKS

1. John E Matsson, "An Introduction to ANSYS Fluent 2020", SDC Publications, 1<sup>st</sup> Edition, 2020.
2. Huei-Huang Lee, "Finite Element Simulations with ANSYS Workbench 2020", SDC Publications.

## REFERENCES

1. Choudary R.B., "Introduction to ANSYS 16.0", 2<sup>nd</sup> Edition, IK International Publishing 2016.
2. Muralidhar K, Sundarajan T., "Computational Fluid Flow and Heat Transfer", 2<sup>nd</sup> Edition, Narosa Publishing House, 2014.

## E-RESOURCES

1. <https://nptel.ac.in/courses/105/103/105103140/> - (Structural Reliability)
2. <https://nptel.ac.in/courses/112/105/112105045/> - (Computational Fluid Dynamics)



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**TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU**



**DEPARTMENT OF MECHANICAL ENGINEERING**

**III YEAR / V SEM - ACADEMIC YEAR 2021-2022**

**SUBJECT CODE & NAME:19MDC501- ANSYS (VALUE ADDED COURSE - II)**

## **ATTENDANCE**

S.No	Reg No	Students Name	20.12.21	21.12.21	22.12.21	23.12.21	24.12.21	27.12.21	28.12.21	29.12.21								
1	201915001	Bramoth S V	AB	P	P	P	P	P	P	P								
2	201915002	Dinesh S	OD	OP	P	P	P	P	P	P								
3	201915003	Gowtham M	AB	AB	AB	P	P	AB	AB	P								
4	201915004	Hariprasad M	OD	OD	P	P	P	P	P	P								
5	201915005	Kavin E	P	AB	AB	AB	AB	P	AB	P								
6	201915006	Kavinraj B	OD	OD	P	P	P	P	P	P								
7	201915007	Maheswaran P	OD	OD	P	P	P	P	P	P								
8	201915008	Nagaraj A	OD	OD	P	P	P	AB	P	P								
9	201915009	Navenkumar D	AB	AB	AB	AB	AB	AB	AB	AB								
10	201915010	Sabarinath R	OD	OD	AB	P	P	P	P	P								
11	201915011	Sanjeev S	P	P	P	AB	AB	P	P	P								
12	201915013	Vijay M	OD	OD	P	P	P	P	P	P								
13	201915301	Harishri S	OD	OD	AB	P	AB	P	AB	P								
<b>No of students Present</b>			03	02	08	10	9	10	09	12								
<b>No of students absent</b>			02	03	05	03	04	03	04	01								
<b>On Duty</b>			08	08	-	-	-	-	-	-								
<b>Faculty Signature</b>			R. Balaji	R. Balaji	R. Balaji	R. Balaji	R. Balaji	R. Balaji	R. Balaji	R. Balaji								
<b>Coures Incharge</b>			PS	PS	PS	PS	PS	PS	PS	PS								
<b>HoD</b>			N. Thirumala	N. Thirumala	N. Thirumala	N. Thirumala	N. Thirumala	N. Thirumala	N. Thirumala	N. Thirumala								



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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

Department of Mechanical Engineering

Student's Name : S. V. Bramoth

Academic Year : 2021-2022

Degree/Branch/Semester : B.E/Mech/V

Course Duration (Hrs): 50 hrs

Name of the Value added Course : ANSYS

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)

B-Good (3)

C-Satisfactory (2)

D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity, Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

S. V. Bramoth  
Student's Signature



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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Mechanical Engineering

Student's Name : S. Dinesh

Academic Year : 2021-2022

Degree/Branch/Semester : B.E/Mech/V

Course Duration (Hrs): 50 hrs

Name of the Value added Course : ANSYS

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)

B-Good (3)

C-Satisfactory (2)

D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	B
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity .Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	B
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	No

S. Dinesh  
Student's Signature



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TIRUCHENGODE - 637 205 NAMAKKAL (DT) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Mechanical Engineering

Student's Name : Gowtham M

Academic Year : 2021-2022

Degree/Branch/Semester : B.E/Mech/V

Course Duration (Hrs): 50 hrs

Name of the Value added Course : ANSYS

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)

B-Good (3)

C-Satisfactory (2)

D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	no comments

  
Student's Signature



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THIRUCHENGODE - 637 205 NAMAKKAL (DU) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Mechanical Engineering

Student's Name : M. HAREPRASAD

Academic Year : 2021-2022

Degree/Branch/Semester : B.E/Mech/V

Course Duration (Hrs): 50 hrs

Name of the Value added Course : ANSYS

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)

B-Good (3)

C-Satisfactory (2)

D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	B
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity, Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions:	

Student's Signature



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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

Department of Mechanical Engineering

Student's Name : E. Kavin

Academic Year : 2021-2022

Degree/Branch/Semester : B.E/Mech/V

Course Duration (Hours: 50 hrs)

Name of the Value added Course : ANSYS

Students are requested to rate the value added course on the following attributes using the 4 point scale as shown below.

A-Very Good (4)

B-Good (3)

C-Satisfactory (2)

D-Dissatisfactory (1)

SL No	Parameters	Rating
1	Coverage of the Syllabus	4
2	The course contents are illustrated with adequate practical examples	3
3	Associative level of learning from Theory to Practical	4
4	Effectiveness of assignments/other activities given in the value added course	4
5	The competencies and skills developed from the Value added course are relevant to industry needs	4
6	Regularity, Punctuality and competency of the course instructor	4
7	The interaction and individual attention given by the course instructor	4
8	The outcome of the course exposes new knowledge and practices	4
9	Relevance of the Value added course content towards employability and entrepreneurship	4
10	Any other suggestions:	

E. Kavin  
Student's Signature



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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Mechanical Engineering

Student's Name : B. KAVINRAJ

Academic Year : 2021-2022

Degree/Branch/Semester : B.E/Mech/V

Course Duration (Hrs): 50 hrs

Name of the Value added Course : ANSYS

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)

B-Good (3)

C-Satisfactory (2)

D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	B
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	B
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

B. W. J.  
Student's Signature



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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Mechanical Engineering

Student's Name : P. Maheswaran

Academic Year : 2021-2022

Degree/Branch/Semester : B.E/Mech/V

Course Duration (Hrs): 50 hrs

Name of the Value added Course : ANSYS

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	No

  
Student's Signature



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## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Mechanical Engineering

Student's Name : Naga Raj A

Academic Year : 2021-2022

Degree/Branch/Semester : B.E/Mech/V

Course Duration (Hrs): 50 hrs

Name of the Value added Course : ANSYS

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)

B-Good (3)

C-Satisfactory (2)

D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	B
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	B
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	A
6	Regularity, Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

  
Student's Signature



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TIRUCHENGODE - 637 205 NAMAKKAL (DU) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

Department of Mechanical Engineering

Student's Name : *B. Banjeev*

Academic Year : 2021-2022

Degree/Branch/Semester : B.E/Mech/V

Course Duration (Hrs): 50 hrs

Name of the Value added Course : ANSYS

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)

B-Good (3)

C-Satisfactory (2)

D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	<i>D</i>
2	The course contents are illustrated with adequate practical examples	<i>B</i>
3	Associative level of learning from Theory to Practical	<i>D</i>
4	Effectiveness of assignments other activities given in the value added course	<i>B</i>
5	The competencies and skills developed from the Value added course are relevant to industry needs	<i>D</i>
6	Regularity, Punctuality and competency of the course instructor	<i>B</i>
7	The Interaction and Individual attention given by the course instructor	<i>D</i>
8	The outcome of the course exposes new knowledge and practices	<i>B</i>
9	Relevance of the Value added course content towards employability and entrepreneurship	<i>D</i>
10	Any other suggestions:	

*B. Banjeev*

Student's Signature



# SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956  
NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (DI) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Mechanical Engineering

Student's Name : *R. Sabarinath*

Academic Year : 2021-2022

Degree/Branch/Semester : B.E/Mech/V

Course Duration (Hrs): 50 hrs

Name of the Value added Course : ANSYS

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)      B-Good (3)      C-Satisfactory (2)      D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	B
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	B
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity, Punctuality and competency of the course instructor	B
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	B
10	Any other suggestions:	NO

*R. Sabarinath*  
Student's Signature



# SENGUNTHAR ENGINEERING COLLEGE

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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Mechanical Engineering

Student's Name : M. VIJAY

Academic Year : 2021-2022

Degree/Branch/Semester : B.E/Mech/V

Course Duration (Hrs): 50 hrs

Name of the Value added Course : ANSYS

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)

B-Good (3)

C-Satisfactory (2)

D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	A
2	The course contents are illustrated with adequate practical examples	B
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	A
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity, Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	B
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	No

  
Student's Signature



# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

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NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



## STUDENT'S FEEDBACK FORM ON VALUE ADDED COURSE

### Department of Mechanical Engineering

Student's Name : HARISHRI . S

Academic Year : 2021-2022

Degree/Branch/Semester : B.E/Mech/V

Course Duration (Hrs): 50 hrs

Name of the Value added Course : ANSYS

Students are requested to rate the value added course on the following attributes using the 4-point scale as shown below.

A-Very Good (4)

B-Good (3)

C-Satisfactory (2)

D-Unsatisfactory (1)

Sl. No	Parameters	Rating
1	Coverage of the Syllabus	B
2	The course contents are illustrated with adequate practical examples	A
3	Associative level of learning from Theory to Practical	A
4	Effectiveness of assignments/other activities given in the value added course	B
5	The competencies and skills developed from the Value added course are relevant to industry needs	B
6	Regularity, Punctuality and competency of the course instructor	A
7	The Interaction and Individual attention given by the course instructor	A
8	The outcome of the course exposes new knowledge and practices	A
9	Relevance of the Value added course content towards employability and entrepreneurship	A
10	Any other suggestions:	

Student's Signature

# CERTIFICATE OF Appreciation

DATE: **08-01-2022**



This is to certify that **Mr. Bramoth S V**  
**III year Mechanical Engineering** from  
**Sengunthar Engineering College (Autonomous)**  
**Tiruchengode.**

has successfully completed the **ANSYS** Course  
during the period from **20-12-21** to **29-12-21**  
conducted by **Extol Tech Solution, Erode.**



Ministry of MSME Govt. of India  
Reg No.: TN07E0021273

**CERTIFICATE ID : A08858**

A handwritten signature in black ink, likely belonging to an authorized official of Extol Tech Solution.

Authorised Signature



Project Work - Class		Month	March														
Sl. No.	Roll No.	Name	Period	5	6	7	8	8	10	10	10	15	15	15	22		
		Cumulative no. of periods handles		1	2	3	4	5	6	7	8	9	10				
1	612318104001	Arthika . R		/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	612318104002	Aswini . R		/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	612318104003	Bharath . D		/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	612318104004	Bhuvaneshkumar . S		/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	612318104005	Boopathiraja . K		/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	612318104006	Pharmalingam . E		/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	612318104007	Dinesh . B		/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	612318104008	Purai Murugan . SK		/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	612318104009	Geetha priya . S		/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	612318104010	Gilance . A		/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	612318104011	Gokulraj . T		/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	612318104012	Gowthaman . SG		/	/	/	/	/	/	/	/	/	/	/	/	/	/
13	612318104013	Harini . P		/	/	/	/	/	/	/	/	/	/	/	/	/	/
14	612318104014	Ilamaaran . C		/	/	/	/	/	/	/	/	/	/	/	/	/	/
15	612318104015	Jocva . P		/	/	/	/	/	/	/	/	/	/	/	/	/	/
16	612318104016	Kekila . K		/	/	/	/	/	/	/	/	/	/	/	/	/	/
17	612318104017	Mohan . R		/	/	/	/	/	/	/	/	/	/	/	/	/	/
18	612318104018	Monika . B		/	/	/	/	/	/	/	/	/	/	/	/	/	/
19	612318104019	Monika . V		/	/	/	/	/	/	/	/	/	/	/	/	/	/
20	612318104020	Monish . R		/	/	/	/	/	/	/	/	/	/	/	/	/	/
21	612318104021	Nandhakumar . M		/	/	/	/	/	/	/	/	/	/	/	/	/	/
22	612318104022	Nandhini . B		/	/	/	/	/	/	/	/	/	/	/	/	/	/
23	612318104023	Nandhini . S		/	/	/	/	/	/	/	/	/	/	/	/	/	/
24	612318104024	Naveenkumar . P		/	/	/	/	/	/	/	/	/	/	/	/	/	/
25	612318104025	Nithis Kumar . S		/	/	/	/	/	/	/	/	/	/	/	/	/	/
26	612318104026	Pravinya . V		/	/	/	/	/	/	/	/	/	/	/	/	/	/
27	612318104027	Priyanka . G		/	/	/	/	/	/	/	/	/	/	/	/	/	/
28	612318104028	Ravindhar M		/	/	/	/	/	/	/	/	/	/	/	/	/	/
29	612318104029	Rithanya D		/	/	/	/	/	/	/	/	/	/	/	/	/	/
30	612318104030	Rohini J		/	/	/	/	/	/	/	/	/	/	/	/	/	/
31	612318104031	Ruthis S		/	/	/	/	/	/	/	/	/	/	/	/	/	/
32	612318104032	Sathiyapriya S		/	/	/	/	/	/	/	/	/	/	/	/	/	/
33	612318104033	Shalini M		/	/	/	/	/	/	/	/	/	/	/	/	/	/
34	612318104034	Shalini S		/	/	/	/	/	/	/	/	/	/	/	/	/	/
35	612318104035	Sowdeshwaran M		/	/	/	/	/	/	/	/	/	/	/	/	/	/
36	612318104036	Subash K		/	/	/	/	/	/	/	/	/	/	/	/	/	/
37	612318104037	Surenkumar A		/	/	/	/	/	/	/	/	/	/	/	/	/	/
38	612318104038	Thamiradharshini M		/	/	/	/	/	/	/	/	/	/	/	/	/	/
39	612318104039	Vaishnavi T		/	/	/	/	/	/	/	/	/	/	/	/	/	/
40	612318104040	Vinitha Sree S		/	/	/	/	/	/	/	/	/	/	/	/	/	/

CSE		Branch	Section														
Sl. No.	Roll No.	Internal Marks	IA Test	Review I (50)	Review II (50)	Review III (50)	TOTAL (150)	Remarks									
1	612318104001	67	48	46	48	95	19										
2	612318104002	72	47	46	48	95	19										
3	612318104003	78	47	46	48	95	19										
4	612318104004	87	44	43	46	90	18										
5	612318104005	79	44	43	46	90	18										
6	612318104006	78	48	46	48	95	19										
7	612318104007	72	48	46	48	95	19										
8	612318104008	88	44	43	46	90	18										
9	612318104009	82	48	46	48	95	19										
10	612318104010	86	48	46	48	95	19										
11	612318104011	76	44	43	46	90	18										
12	612318104012	79	44	43	46	90	18										
13	612318104013	76	38	38	42	80	16										
14	612318104014	82	44	43	46	90	18										
15	612318104015	85	44	43	46	90	18										
16	612318104016	79	44	43	46	90	18										
17	612318104017	77	44	43	46	90	18										
18	612318104018	80	48	46	48	90	19										
19	612318104019	88	48	46	48	95	19										
20	612318104020	77	38	41	45	85	17										
21	612318104021	97	48	46	48	95	19										
22	612318104022	88	44	43	46	90	18										
23	612318104023	82	44	43	46	90	18										
24	612318104024	89	48	46	48	95	19										
25	612318104025	79	38	41	45	85	17										
26	612318104026	91	48	46	48	95	19										
27	612318104027	88	44	43	46	90	18										
28	612318104028	85	44	43	46	90	18										
29	612318104029	82	50	50	50	100	20										
30	612318104030	88	48	46	48	95	19										
31	612318104031	79	44	43	46	90	18										
32	612318104032	0	0	0	0	0	0										
33	612318104033	88	44	43	46	90	18										
34	612318104034	89	44	43	46	90	18										
35	612318104035	79	38	41	45	85	17										
36	612318104036	77	38	41	45	85	17										
37	612318104037	77	43	48	49	95	19										
38	612318104038	79	38	41	45	85	17										
39	612318104039	97	50	50	50	100	20										
40	612318104040	97	50	50	50	100	20										

Sl. No.	Roll No.	Internal Marks			TOTAL	Remarks
		IA Test				
		Review I (50)	Review II (50)	Review III (50)	(150)	(20)
17/	H8	46	46	48	95	19
22/	A7	46	46	48	95	19
28/	A7	46	46	48	95	19
37/	44	43	46	46	90	18
39/	44	43	46	46	90	18
48/	48	46	48	48	95	19
52/	48	46	48	48	95	19
58/	44	43	46	46	90	18
62/	48	46	48	48	95	19
66/	48	46	48	48	95	19
76/	44	43	46	46	90	18
79/	44	43	46	46	90	18
76/	38	38	42	42	80	16
82/	44	43	46	46	90	18
85/	44	43	46	46	90	18
79/	44	43	46	46	90	18
77/	44	43	46	46	90	18
80/	48	46	48	48	90	19
88/	48	46	48	48	95	19
77/	38	41	45	45	85	17
97/	48	46	48	48	95	19
88/	44	43	46	46	90	18
82/	44	43	46	46	90	18
89/	48	46	48	48	95	19
79/	38	41	45	45	85	17
91/	48	46	48	48	95	19
88/	44	43	48	48	90	18
85/	44	43	46	46	90	18
82/	50	50	50	50	100	20
88/	48	46	48	48	95	19
79/	44	43	46	46	90	18
0/	0	0	0	0	0	0
88/	44	43	46	46	90	18
89/	44	43	46	46	90	18
79/	38	41	46	46	85	17
77/	38	41	45	45	85	17
77/	43	48	49	49	95	19
79/	38	41	45	45	85	17
97/	50	50	50	50	100	20
97/	50	50	50	50	100	20

08811  
Project Work

Class IV Year VII Semester

Reg No.	Name	Month	March											
		Date	8	8	8	10	10	10	15	15	15	22		
		Period	5	6	7	5	6	7	5	6	7	5		
		Cumulative no. of periods handles	1	2	3	4	5	6	7	8	9	10		
612318104049	Yegashini V		/	/	/	/	/	/	/	/	/	/		
612318104301	Elango M		a	a	a	/	/	/	/	/	/	/		
			a	a	a									

COE Branch - Section

	22	22	24	24	24	29	29	29	31	31
	6	7	5	6	7	5	6	7	5	6
	11	12	13	14	15	16	17	18	19	20
41	/	/	/	/	/	/	/	/	/	/
42	/	/	a	a	a	/	/	/	/	/
43										
44										
45										
46										
47										
48										
49										
50										
51										
52										
53										

CE	Internal Marks			TOTAL	Remarks
	IA Test				
% of AL	Roll No. I (50)	Roll No. II (50)	Roll No. III (50)	(150)	(20)
97%	50	50	50	150	20
79%	36	38	37	111	16

Project Work - CSE		Month	March														
Sl. No.	Roll No.	Name	Period	5	6	7	8	8	10	10	10	15	15	15	22		
		Cumulative no. of periods handles		1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	612318104001	Arthika . R		/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	612318104002	Aswini . R		/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	612318104003	Bharath . D		/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	612318104004	Bhuvaneshkumar . S		/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	612318104005	Boopathiraja . K		/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	612318104006	Pharmalingam . E		/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	612318104007	Dinesh . B		/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	612318104008	Purai Murugan . SK		/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	612318104009	Geetha priya . S		/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	612318104010	Gilance . A		/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	612318104011	Gokulraj . T		/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	612318104012	Growthaman . SG		/	/	/	/	/	/	/	/	/	/	/	/	/	/
13	612318104013	Harini . P		/	/	/	/	/	/	/	/	/	/	/	/	/	/
14	612318104014	Ilamaaran . C		/	/	/	/	/	/	/	/	/	/	/	/	/	/
15	612318104015	Jocva . P		/	/	/	/	/	/	/	/	/	/	/	/	/	/
16	612318104016	Kekila . K		/	/	/	/	/	/	/	/	/	/	/	/	/	/
17	612318104017	Mohan . R		/	/	/	/	/	/	/	/	/	/	/	/	/	/
18	612318104018	Monika . B		/	/	/	/	/	/	/	/	/	/	/	/	/	/
19	612318104019	Monika . V		/	/	/	/	/	/	/	/	/	/	/	/	/	/
20	612318104020	Monish . R		/	/	/	/	/	/	/	/	/	/	/	/	/	/
21	612318104021	Nandhakumar . M		/	/	/	/	/	/	/	/	/	/	/	/	/	/
22	612318104022	Nandhini . B		/	/	/	/	/	/	/	/	/	/	/	/	/	/
23	612318104023	Nandhini . S		/	/	/	/	/	/	/	/	/	/	/	/	/	/
24	612318104024	Naveenkumar . P		/	/	/	/	/	/	/	/	/	/	/	/	/	/
25	612318104025	Nithis Kumar . S		/	/	/	/	/	/	/	/	/	/	/	/	/	/
26	612318104026	Pravinya . V		/	/	/	/	/	/	/	/	/	/	/	/	/	/
27	612318104027	Priyanka . G		/	/	/	/	/	/	/	/	/	/	/	/	/	/
28	612318104028	Ravindhar . M		/	/	/	/	/	/	/	/	/	/	/	/	/	/
29	612318104029	Rithanya . D		/	/	/	/	/	/	/	/	/	/	/	/	/	/
30	612318104030	Rohini . J		/	/	/	/	/	/	/	/	/	/	/	/	/	/
31	612318104031	Ruthis . S		/	/	/	/	/	/	/	/	/	/	/	/	/	/
32	612318104032	Sathiyapriya . S		/	/	/	/	/	/	/	/	/	/	/	/	/	/
33	612318104033	Shalini . M		/	/	/	/	/	/	/	/	/	/	/	/	/	/
34	612318104034	Shalini . S		/	/	/	/	/	/	/	/	/	/	/	/	/	/
35	612318104035	Sowdeshwaran . M		/	/	/	/	/	/	/	/	/	/	/	/	/	/
36	612318104036	Subash . K		/	/	/	/	/	/	/	/	/	/	/	/	/	/
37	612318104037	Surenkumar . A		/	/	/	/	/	/	/	/	/	/	/	/	/	/
38	612318104038	Thamiradharshini . M		/	/	/	/	/	/	/	/	/	/	/	/	/	/
39	612318104039	Vaishnavi . T		/	/	/	/	/	/	/	/	/	/	/	/	/	/
40	612318104040	Vinitha Sree . S		/	/	/	/	/	/	/	/	/	/	/	/	/	/

CSE		Branch	Section														
Sl. No.	Roll No.	Name	Period	22	22	24	24	24	24	24	24	24	24	24	24	24	24
				1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	612318104001	Arthika . R		/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	612318104002	Aswini . R		/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	612318104003	Bharath . D		/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	612318104004	Bhuvaneshkumar . S		/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	612318104005	Boopathiraja . K		/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	612318104006	Pharmalingam . E		/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	612318104007	Dinesh . B		/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	612318104008	Purai Murugan . SK		/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	612318104009	Geetha priya . S		/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	612318104010	Gilance . A		/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	612318104011	Gokulraj . T		/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	612318104012	Growthaman . SG		/	/	/	/	/	/	/	/	/	/	/	/	/	/
13	612318104013	Harini . P		/	/	/	/	/	/	/	/	/	/	/	/	/	/
14	612318104014	Ilamaaran . C		/	/	/	/	/	/	/	/	/	/	/	/	/	/
15	612318104015	Jocva . P		/	/	/	/	/	/	/	/	/	/	/	/	/	/
16	612318104016	Kekila . K		/	/	/	/	/	/	/	/	/	/	/	/	/	/
17	612318104017	Mohan . R		/	/	/	/	/	/	/	/	/	/	/	/	/	/
18	612318104018	Monika . B		/	/	/	/	/	/	/	/	/	/	/	/	/	/
19	612318104019	Monika . V		/	/	/	/	/	/	/	/	/	/	/	/	/	/
20	612318104020	Monish . R		/	/	/	/	/	/	/	/	/	/	/	/	/	/
21	612318104021	Nandhakumar . M		/	/	/	/	/	/	/	/	/	/	/	/	/	/
22	612318104022	Nandhini . B		/	/	/	/	/	/	/	/	/	/	/	/	/	/
23	612318104023	Nandhini . S		/	/	/	/	/	/	/	/	/	/	/	/	/	/
24	612318104024	Naveenkumar . P		/	/	/	/	/	/	/	/	/	/	/	/	/	/
25	612318104025	Nithis Kumar . S		/	/	/	/	/	/	/	/	/	/	/	/	/	/
26	612318104026	Pravinya . V		/	/	/	/	/	/	/	/	/	/	/	/	/	/
27	612318104027	Priyanka . G		/	/	/	/	/	/	/	/	/	/	/	/	/	/
28	612318104028	Ravindhar . M		/	/	/	/	/	/	/	/	/	/	/	/	/	/
29	612318104029	Rithanya . D		/	/	/	/	/	/	/	/	/	/	/	/	/	/
30	612318104030	Rohini . J		/	/	/	/	/	/	/	/	/	/	/	/	/	/
31	612318104031	Ruthis . S		/	/	/	/	/	/	/	/	/	/	/	/	/	/
32	612318104032	Sathiyapriya . S		/	/	/	/	/	/	/	/	/	/	/	/	/	/
33	612318104033	Shalini . M		/	/	/	/	/	/	/	/	/	/	/	/	/	/
34	612318104034	Shalini . S		/	/	/	/	/	/	/	/	/	/	/	/	/	/
35	612318104035	Sowdeshwaran . M		/	/	/	/	/	/	/	/	/	/	/	/	/	/
36	612318104036	Subash . K		/	/	/	/	/	/	/	/	/	/	/	/	/	/
37	612318104037	Surenkumar . A		/	/	/	/	/	/	/	/	/	/	/	/	/	/
38	612318104038	Thamiradharshini . M		/	/	/	/	/	/	/	/	/	/	/	/	/	/
39	612318104039	Vaishnavi . T		/	/	/	/	/	/	/	/	/	/	/	/	/	/
40	612318104040	Vinitha Sree . S		/	/	/	/	/	/	/	/	/	/	/	/	/	/

Sl. No.	Roll No.	Name	Internal Marks			TOTAL (100)	Remarks (20)
			IA Test				
			Review I (50)	Review II (50)	Review III (50)		
1	612318104001	Arthika . R	48	46	48	95	19
2	612318104002	Aswini . R	47	46	48	95	19
3	612318104003	Bharath . D	47	46	48	95	19
4	612318104004	Bhuvaneshkumar . S	44	43	46	90	18
5	612318104005	Boopathiraja . K	44	43	46	90	18
6	612318104006	Pharmalingam . E	48	46	48	95	19
7	612318104007	Dinesh . B	48	46	48	95	19
8	612318104008	Purai Murugan . SK	44	43	46	90	18
9	612318104009	Geetha priya . S	48	46	48	95	19
10	612318104010	Gilance . A	48	46	48	95	19
11	612318104011	Gokulraj . T	44	43	46	90	18
12	612318104012	Growthaman . SG	44	43	46	90	18
13	612318104013	Harini . P	38	42	46	80	16
14	612318104014	Ilamaaran . C	44	43	46	90	18
15	612318104015	Jocva . P	44	43	46	90	18
16	612318104016	Kekila . K	44	43	46	90	18
17	612318104017	Mohan . R	44	43	46	90	18
18	612318104018	Monika . B	48	46	48	90	19
19	612318104019	Monika . V	48	46	48	95	19
20	612318104020	Monish . R	38	41	45	85	17
21	612318104021	Nandhakumar . M	48	46	48	95	19
22	612318104022	Nandhini . B	44	43	46	90	18
23	612318104023	Nandhini . S	44	43	46	90	18
24	612318104024	Naveenkumar . P	48	46	48	95	19
25	612318104025	Nithis Kumar . S	38	41	45	85	17
26	612318104026	Pravinya . V	48	46	48	95	19
27	612318104027	Priyanka . G	44	43	46	90	18
28	612318104028	Ravindhar . M	44	43	46	90	18
29	612318104029	Rishika . S	44	43	46	90	18
30	612318104030	Rishika . S	44	43	46	90	18
31	612318104031	Rishika . S	44	43	46	90	18
32	612318104032	Rishika . S	44	43	46	90	18
33	612318104033	Rishika . S	44	43	46	90	18
34	612318104034	Rishika . S	44	43	46	90	18
35	612318104035	Rishika . S	44	43	46	90	18
36	612318104036	Rishika . S	44	43	46	90	18
37	612318104037	Rishika . S	44	43	46	90	18
38	612318104038	Rishika . S	44	43	46	90	18
39	612318104039	Rishika . S	44	43	46	90	18
40	612318104040	Rishika . S	44	43	46	90	18
41	612318104041	Rishika . S	44	43	46	90	18
42	612318104042	Rishika . S	44	43	46	90	18
43	612318104043	Rishika . S	44	43	46	90	18
44	612318104044	Rishika . S	44	43	46	90	18
45	612318104045	Rishika . S	44	43	46	90	18
46	612318104046	Rishika . S	44	43	46	90	18
47	612318104047	Rishika . S	44	43	46	90	18
48	612318104048	Rishika . S	44	43	46	90	18
49	612318104049	Rishika . S	44	43	46	90	18
50	612318104050	Rishika . S	44	43	46	90	18
51	612318104051	Rishika . S	44	43	46	90	18
52	612318104052	Rishika . S	44	43	46	90	18
53	612318104053	Rishika . S	44	43	46	90	18
54	612318104054	Rishika . S	44	43	46	90	18
55	612318104055	Rishika . S	44	43	46	90	18
56	612318104056	Rishika . S	44	43	46	90	18
57	612318104057	Rishika . S	44	43	46	90	18
58	612318104058	Rishika . S	44	43	46	90	18
59	612318104059	Rishika . S	44	43	46	90	18
60	612318104060	Rishika . S	44	43	46	90	18
61	612318104061	Rishika . S	44	43	46	90	18
62	612318104062	Rishika . S	44	43	46	90	18
63	612318104063	Rishika . S	44	43	46	90	18
64	612318104064	Rishika . S	44	43	46	90	18
65	612318104065	Rishika . S	44	43	46	90	18
66	612318104066	Rishika . S	44	43	46	90	18
67	612318104067	Rishika . S	44	43	46	90	18
68	612318104068	Rishika . S	44	43	46	90	18
69	612318104069	Rishika . S	44	43	46	90	18
70	612318104070	Rishika . S	44	43	46	90	18
71	612318104071	Rishika . S	44	43	46	90	18
72	612318104072	Rishika . S	44	43	46	90	18
73	612318104073	Rishika . S	44	43	46	90	18
74	612318104074	Rishika . S	44	43	46	90	18
75	612318104075	Rishika . S	44	43	46	90	18
76	612318104076	Rishika . S	44	43	46	90	18
77	612318104077	Rishika . S	44	43	46	90	18
78	612318104078	Rishika . S	44	43	46	90	18
79	612318104079	Rishika . S	44	43	46	90	18
80	612318104080	Rishika . S	44	43	46	90	18
81	612318104081	Rishika . S	44	43	46	90	18
82	612318104082	Rishika . S	44	43	46	90	18
83	612318104083	Rishika . S	44	43	46	90	18
84	612318104084	Rishika . S	44	43	46	90	18
85	612318104085	Rishika . S	44	43	46	90	18
86	612318104086	Rishika . S	44	43	46	90	18
87	612318104087	Rishika . S	44	43	46	90	18
88	612318104088	Rishika . S	44	43	46	90	18
89	612318104089	Rishika . S	44	43	46	90	18
90	612318104090	Rishika . S	44	43	46	90	18
91	612318104091	Rishika . S	44	43	46	90	18
92	612318104092	Rishika . S	44	43	46	90	18
93	612318104093	Rishika . S	44	43	46	90	18
94	612318104094	Rishika . S	44	43	46	90	18
95	612318104095	Rishika . S	44	43	46	90	18
96	612318104096	Rishika . S	44	43	46	90	18
97	612318104097	Rishika . S	44	43	46	90	18
98	612318104098	Rishika . S	44	43	46	90	18
99	612318104099	Rishika . S	44	43	46	90	18
100	612318104100	Rishika . S	44	43	46	90	18

08811  
Project Work

Class IV Year VII Semester

Reg No.	Name	Month	March											
		Date	8	8	8	10	10	10	15	15	15	22		
		Period	5	6	7	5	6	7	5	6	7	5		
		Cumulative no. of periods handles	1	2	3	4	5	6	7	8	9	10		
612318104049	Yegashini V		/	/	/	/	/	/	/	/	/	/		
612318104301	Elango M		a	a	a	/	/	/	/	/	/	/		
			a	a	a									

COE Branch - Section

	22	22	24	24	24	29	29	29	31	31
	6	7	5	6	7	5	6	7	5	6
	11	12	13	14	15	16	17	18	19	20
41	/	/	/	/	/	/	/	/	/	/
42	/	/	a	a	a	/	/	/	/	/
43										
44										
45										
46										
47										
48										
49										
50										
51										
52										
53										

CE	Internal Marks			TOTAL (100)	Remarks (10)
	IA Test				
% of AL	Roll No. I (50)	Roll No. II (50)	Roll No. III (50)		
97%	50	50	50	150	20
79%	36	38	37	111	16

## RECORD OF CLASS NO.

CS8811

## Project Work

CSE

Branch

IV

Year

viii

CSE

Branch

Proposed		Topics Covered	Execution		Initials
Date	Period		Date	Period	
3.3.22	5/6/7	Project Domain Selection	3.3.22	5/6/7	Q
5.3.22	5/6/7	Problem Identification & Abstract Preparation	5.3.22	5/6/7	Q
15.3.22	5/6/7	Abstract Submission & Literature Study	15.3.22	5/6/7	Q
22.3.22	5/6/7	Title confirmation & Review of Previous Study	22.3.22	5/6/7	Q
24.3.22	5/6/7	Presentation Preparation for first Review	24.3.22	5/6/7	Q
29.3.22	5/6/7	First Review Presentation	29.3.22	5/6/7	Q
31.3.22	5/6/7	Module Identification & Design	31.3.22	5/6/7	Q
5.4.22	5/6/7	Preparation of Architecture & Dataflow	5.4.22	5/6/7	Q
7.4.22	5/6/7	Modules description & Workflow Prep	7.4.22	5/6/7	Q
12.4.22	5/6/7	Preparation of Project document	12.4.22	5/6/7	Q
19.4.22	5/6/7	Database design, II Module Completion	19.4.22	5/6/7	Q
26.4.22	5/6/7	Preparation of II review Presentation	26.4.22	5/6/7	Q
5.5.22	5/6/7	Review papers Consolidation for document	5.5.22	5/6/7	Q
10.5.22	5/6/7	Workflow Confirmation & Modules Imp.	10.5.22	5/6/7	Q
12.5.22	5/6/7	Implementation of front-End & Backend	12.5.22	5/6/7	Q
17.5.22	5/6/7	Conference Paper Preparation	17.5.22	5/6/7	Q
19.5.22	5/6/7	Paper, Plagiarism Checking & Submission	19.5.22	5/6/7	Q
24.5.22	5/6/7	Completion of Project with microclaves	24.5.22	5/6/7	Q
26.5.22	5/6/7	Demonstration of a Project	26.5.22	5/6/7	Q
31.5.22	5/6/7	Completion of Project documentation	31.5.22	5/6/7	Q
2.6.22	5/6/7	Third Review Presentation	2.6.22	5/6/7	Q
7.6.22	5/6/7	Document Submission	7.6.22	5/6/7	Q

Lab Name : CREATIVE AND INNOVATIVE PROJECT Lab Code: CE 8711

Class : IV Year VII Semester CIVIL Branch — Section —

### Experiments Completed

Duration Details	End of 1 <sup>st</sup> Month	End of 2 <sup>nd</sup> Month	End of 3 <sup>rd</sup> Month	End of Semester	
No. of Experiments Completed	Zeroth Review	First Review	Second Review	Third Review	Model
Signature of Staff	N.	N.	N.	N.	N.
Signature of HOD					
Signature of Auditor	22.10.21	22.10.21	22.10.21	2.3.22	2.3.22

## LABORATORY

Lab Name : CE 8711 - CREATIVE AND INNOVATIVE PROJECT Lab Code CE 8711

Class : IV Year VII Semester CIVIL Branch - Section

Name of the Lab in-charge N. KIRUTHIGA

Name of the Assistants : 1..... 2.....

### Cycle 1 Experiments

CE8711

CREATIVE AND INNOVATIVE PROJECT  
(Activity Based - Subject Related)

L T P C  
0 0 4 2

#### OBJECTIVE:

- To use the knowledge acquired in Civil Engineering to do a mini project, which allows the students to come up with designs, fabrication or algorithms and programs expressing their ideas in a novel way.

TOTAL: 60 PERIODS

### Cycle 2 Experiments

LAB NAME: CE 8711 CREATIVE AND Class:

S.No.	Reg.No.	Name
1	612312103001	J DEEPIKA
2	612312103002	A KONDAPPAN
3	612312103003	R RAMYA
4	612312103004	J SABARISAN
5	612312103005	B. SAKTHI SUBYUMA
6	612312103006	A. SANDHYA
7	612312103007	S. SATHYAMDORTHY
8	612312103008	J. THAMODHARAN
9	20911501	B. JOTHIKA
10		
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20		
21		

Civil Branch : Section

[illegible]

CIVIL Branch : Section

[illegible][illegible]

## RECORD OF CLASS NO.

CS8811

## Project Work

CSE

Branch

IV

Year

viii

CSE

Branch

Proposed		Topics Covered	Execution		
Date	Period		Date	Period	Initials
3.3.22	5/6/7	Project Domain Selection	3.3.22	5/6/7	Q
5.3.22	5/6/7	Problem Identification & Abstract Preparation	5.3.22	5/6/7	Q
15.3.22	5/6/7	Abstract Submission & Literature Study	15.3.22	5/6/7	Q
22.3.22	5/6/7	Title confirmation & Review of Previous Study	22.3.22	5/6/7	Q
24.3.22	5/6/7	Presentation Preparation for First Review	24.3.22	5/6/7	Q
29.3.22	5/6/7	First Review Presentation	29.3.22	5/6/7	Q
31.3.22	5/6/7	Module Identification & Design	31.3.22	5/6/7	Q
5.4.22	5/6/7	Preparation of Architecture & dataflow	5.4.22	5/6/7	Q
7.4.22	5/6/7	Modules description & Workflow prep.	7.4.22	5/6/7	Q
12.4.22	5/6/7	Preparation of Project document	12.4.22	5/6/7	Q
19.4.22	5/6/7	Database design, II Module Completion	19.4.22	5/6/7	Q
26.4.22	5/6/7	Preparation of II review Presentation	26.4.22	5/6/7	Q
5.5.22	5/6/7	Review papers Consolidation for document	5.5.22	5/6/7	Q
10.5.22	5/6/7	Workflow Confirmation & Modules Imp.	10.5.22	5/6/7	Q
12.5.22	5/6/7	Implementation of front-End & Backend	12.5.22	5/6/7	Q
17.5.22	5/6/7	Conference Paper Preparation	17.5.22	5/6/7	Q
19.5.22	5/6/7	Paper, Plagiarism Checking & Submission	19.5.22	5/6/7	Q
24.5.22	5/6/7	Completion of Project with micro days	24.5.22	5/6/7	Q
26.5.22	5/6/7	Demonstration of a Project	26.5.22	5/6/7	Q
31.5.22	5/6/7	Completion of Project documentation	31.5.22	5/6/7	Q
2.6.22	5/6/7	Third Review Presentation	2.6.22	5/6/7	Q
7.6.22	5/6/7	Document Submission	7.6.22	5/6/7	Q

Project Work - Class			March												
Sl. No.	Roll No.	Name	Month	Date	Period	8	8	8	10	10	10	15	15	15	22
		Cumulative no. of periods handles				5	6	7	5	6	7	5	6	7	5
1	612318104001	Arthika . R				1	2	3	4	5	6	7	8	9	10
2	612318104002	Aswini . R				/	/	/	/	/	/	/	/	/	/
3	612318104003	Bharath . D				/	/	/	/	/	/	/	/	/	/
4	612318104004	Bhuvaneshkumar . S				/	/	/	/	/	/	/	/	/	/
5	612318104005	Boopathiraja . K				/	/	/	/	/	/	/	/	/	/
6	612318104006	Pharmalingam . E				/	/	/	/	/	/	/	/	/	/
7	612318104007	Dinesh . B				/	/	/	/	/	/	/	/	/	/
8	612318104008	Durai Murugan . SK				Q	a	a	/	/	/	/	/	/	/
9	612318104009	Geetha priya . S				/	/	/	/	/	/	/	/	/	/
10	612318104010	Girance . A				/	/	/	/	/	/	/	/	/	/
11	612318104011	Gokulraj . T				/	/	/	/	/	/	/	/	/	/
12	612318104012	Gowthaman . SG				/	/	/	/	/	/	/	/	/	/
13	612318104013	Harini . P				a	a	a	/	/	/	/	/	/	a
14	612318104014	Ilamaaran . C				/	/	/	/	/	/	/	/	/	/
15	612318104015	Jocva . P				/	/	/	/	/	/	/	/	/	/
16	612318104016	Kekila . K				/	/	/	/	/	/	/	/	/	/
17	612318104017	Mohan . R				/	/	/	/	/	/	/	/	/	/
18	612318104018	Monika . B				/	/	/	/	/	/	/	/	/	/
19	612318104019	Monika . V				/	/	/	/	/	/	/	/	/	/
20	612318104020	Monish . R				/	/	/	/	/	/	/	/	/	/
21	612318104021	Nandhakumar . M				/	/	/	/	/	/	/	/	/	/
22	612318104022	Nandhini . B				/	/	/	/	/	/	/	/	/	/
23	612318104023	Nandhini . S				/	/	/	/	/	/	/	/	/	/
24	612318104024	Naveenkumar . P				/	/	/	/	/	/	/	/	/	/
25	612318104025	Nithis Kumar . S				/	/	/	/	/	/	/	/	/	/
26	612318104026	Pravinya . V				/	/	/	/	/	/	/	/	/	/
27	612318104027	Priyanka . G				/	/	/	/	/	/	/	/	/	/
28	612318104028	Ravindhar M				/	/	/	/	/	/	/	/	/	/
29	612318104029	Rithanya D				/	/	/	/	/	/	/	/	/	/
30	612318104030	Rohini J				/	/	/	/	/	/	/	/	/	/
31	612318104031	Ruthis S				/	/	/	/	/	/	/	/	/	/
32	612318104032	Sathiyapriya S				a	a	a	a	a	a	a	a	a	a
33	612318104033	Shalini M				/	/	/	/	/	/	/	/	/	/
34	612318104034	Shalini S				/	/	/	/	/	/	/	/	/	/
35	612318104035	Sowdeshwaran M				/	/	/	/	/	/	/	/	/	/
36	612318104036	Subash K				/	/	/	/	/	/	/	/	/	/
37	612318104037	Surenkumar A				/	/	/	/	/	/	/	/	/	/
38	612318104038	Thamickadharshini M				/	/	/	/	/	/	/	/	/	/
39	612318104039	Vaishnavi T				/	/	/	/	/	/	/	/	/	/
40	612318104040	Vinitha Sree S				/	/	/	/	/	/	/	/	/	/

CSE												Branch	Section
22	22	24	24	24	24	24	24	24	24	24	24	24	24
6	7	5	6	7	5	6	7	5	6	7	5	6	7
11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/
13	/	/	/	/	/	/	/	/	/	/	/	/	/
14	/	/	/	/	/	/	/	/	/	/	/	/	/
15	/	/	/	/	/	/	/	/	/	/	/	/	/
16	/	/	/	/	/	/	/	/	/	/	/	/	/
17	/	/	/	/	/	/	/	/	/	/	/	/	/
18	/	/	/	/	/	/	/	/	/	/	/	/	/
19	/	/	/	/	/	/	/	/	/	/	/	/	/
20	/	/	/	/	/	/	/	/	/	/	/	/	/
21	/	/	/	/	/	/	/	/	/	/	/	/	/
22	/	/	/	/	/	/	/	/	/	/	/	/	/
23	/	/	/	/	/	/	/	/	/	/	/	/	/
24	/	/	/	/	/	/	/	/	/	/	/	/	/
25	/	/	/	/	/	/	/	/	/	/	/	/	/
26	/	/	/	/	/	/	/	/	/	/	/	/	/
27	/	/	/	/	/	/	/	/	/	/	/	/	/
28	/	/	/	/	/	/	/	/	/	/	/	/	/
29	/	/	/	/	/	/	/	/	/	/	/	/	/
30	/	/	/	/	/	/	/	/	/	/	/	/	/
31	/	/	/	/	/	/	/	/	/	/	/	/	/
32	/	/	/	/	/	/	/	/	/	/	/	/	/
33	/	/	/	/	/	/	/	/	/	/	/	/	/
34	/	/	/	/	/	/	/	/	/	/	/	/	/
35	/	/	/	/	/	/	/	/	/	/	/	/	/
36	/	/	/	/	/	/	/	/	/	/	/	/	/
37	/	/	/	/	/	/	/	/	/	/	/	/	/
38	/	/	/	/	/	/	/	/	/	/	/	/	/
39	/	/	/	/	/	/	/	/	/	/	/	/	/
40	/	/	/	/	/	/	/	/	/	/	/	/	/

Sl. No.	Internal Marks			TOTAL	Remarks
	IA Test				
	Review I (50)	Review II (50)	Review III (50)	(100)	(20)
17/	48	46	48	95	19
22/	47	46	48	95	19
28/	47	46	48	95	19
38/	44	43	46	90	18
49/	44	43	46	90	18
187/	48	46	48	95	19
228/	48	46	48	95	19
887/	44	43	46	90	18
827/	48	46	48	95	19
867/	48	46	48	95	19
767/	44	43	46	90	18
797/	44	43	46	90	18
767/	38	38	42	80	16
827/	44	43	46	90	18
857/	44	43	46	90	18
797/	44	43	46	90	18
777/	44	43	46	90	18
807/	48	46	48	90	19
887/	48	46	48	95	19
777/	38	41	45	85	17
977/	48	46	48	95	19
887/	44	43	46	90	18
827/	44	43	46	90	18
897/	48	46	48	95	19
797/	38	41	45	85	17
917/	48	46	45	95	19
887/	44	43	48	90	18
857/	44	43	46	90	18
827/	50	50	50	100	20
887/	48	46	48	95	19
797/	44	43	46	90	18
07/	0	0	0	0	0
887/	44	43	46	90	18
897/	44	43	46	90	18
797/	38	41	46	85	17
777/	38	41	45	85	17
777/	43	48	49	95	19
797/	38	41	45	85	17
977/	50	50	50	100	20
977/	50	50	50	100	20

08811  
Project Work

Class IV Year VII Semester

Reg No.	Name	Month	March											
		Date	8	8	8	10	10	10	15	15	15	22		
		Period	5	6	7	5	6	7	5	6	7	5		
		Cumulative no. of periods handles	1	2	3	4	5	6	7	8	9	10		
612318104049	Yegashini V		/	/	/	/	/	/	/	/	/	/		
612318104301	Elango M		a	a	a	/	/	/	/	/	/	/		
			a	a	a									

COE Branch - Section

	22	22	24	24	24	29	29	29	31	31
	6	7	5	6	7	5	6	7	5	6
	11	12	13	14	15	16	17	18	19	20
41	/	/	/	/	/	/	/	/	/	/
42	/	/	a	a	a	/	/	/	/	/
43										
44										
45										
46										
47										
48										
49										
50										
51										
52										
53										

CE	Internal Marks			TOTAL	Remarks
	IA Test				
% of AL	Roll No. I (50)	Roll No. II (50)	Roll No. III (50)	(150)	(20)
97%	50	50	50	150	20
79%	36	38	37	111	16

## RECORD OF CLASS WORK

Course Name : MINI PROJECT Course Code: 19EC360

Course : \_\_\_\_\_  
Class : III Year VI Semester ECE Branch \_\_\_\_\_ Section \_\_\_\_\_

[illegible]

Course : B.E - ECE - 19ECT601 - MINI PROJECT Class : III Year VI Semester

S.No.	Reg.No.	Name	Month	MARCH										APR MAY				
			Date	10	10	24	24	31	31	21	21	5	5					
			Period	6	7	6	7	6	7	6	7	6	7					
		Cummulative no.of periods handles		1	2	3	4	5	6	7	8	9	10					
1	201914001	ABIRAMI.V		/	/	/	/	/	/	/	/	/	/					
2	201914002	ARULKUMAR.A		/	/	/	/	/	/	/	/	/	/					
3	201914003	CHANDNI.S.M		/	/	/	/	/	/	/	/	/	/					
4	201914004	DHARANI DHARAN.S		/	/	/	/	/	/	/	/	/	/					
5	201914005	DHINA KARAN.B		/	/	/	/	/	/	/	/	/	/					
6	201914006	KARTHI.S		/	/	/	/	/	/	/	/	/	/					
7	201914007	MOHAN.A		/	/	/	/	/	/	/	/	/	/					
8	201914008	NISHANTHI.P		/	/	/	/	/	/	/	/	/	/					
9	201914009	PRASANTH.N		/	/	/	/	/	/	/	/	/	/					
10	201914010	PRIYA.N		/	/	/	/	/	/	/	/	/	/					
11	201914011	PRIVADHARSHINI.S		/	/	/	/	/	/	/	/	/	/					
12	201914012	RAMESH KUMAR.M		/	/	/	/	/	/	/	/	/	/					
13	201914013	SARAVANAN.R		/	/	/	/	/	/	/	/	/	/					
14	201914014	SWEATHA.S.V		/	/	/	/	/	/	/	/	/	/					
15																		
16																		
17																		
18																		

ECE Branch - Section

MAY							22			
	12	12	19	19	26	26				
	6	7	6	7	6	7				
	11	12	13	14	15	16				
1	/	/	/	/	/	/				
2	/	/	/	/	/	/				
3	/	/	/	/	/	/				
4	/	/	/	/	/	/				
5	/	/	/	/	/	/				
6	/	/	/	/	/	/				
7	/	/	/	/	/	/				
8	/	/	/	/	/	/				
9	/	/	/	/	/	/				
10	/	/	/	/	/	/				
11	/	/	/	/	/	/				
12	/	/	/	/	/	/				
13	/	/	/	/	/	/				
14	/	/	/	/	/	/				
15										
16										
17										
18										
19										