ASSOCIATION

WINDOW

SEE THROUGH

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Edition (2022-2023)

Velammal College of Engineering and Technology (AUTONOMOUS)

Vision:

- To emerge and sustain as a center of excellence for technical and managerial education upholding social values.

Mission:

- Imparted with comprehensive, innovative and value based education.
- Exposed to technical, managerial and soft skill resources with emphasis on research and professionalism.
- Inculcated with the need for a disciplined, happy, married and peaceful life.

Goals:

- Uncompromising regularity and punctuality.
- Academic excellence, depth in subject and general knowledge.
- Suitable placement or higher education or entrepreneurship.
- Curiosity of learning, research and development.
- Proficiency in communication skills.
- Professional values and Social ethics.
- Keeping good health and following good habits.

About The Department

A hearty welcome to the Department of Electronics and Communication Engineering, Velammal College of Engineering and Technology, Madurai. Since its inception in 2007, the department of ECE has been the front runner in imparting quality technical education to the students. The department has well qualified and motivated faculty members passionate towards moulding the younger generation. The rich technical ambience, highly enthused faculty members, state of the art laboratories and the able support from the management have made the students perform with distinction in the career pursuit.Moreover, the department of ECE is making huge strides in Research and Development. It has procured funded projects from DRDO, AICTE and DST to the tune of Rs 3.1crores . Students relish the placement in top Mulitinational companies like TCS, CTS, Wipro, Accenture, Aricent, HP, UST Global, Zoho, Athena Healthcare etc. The department also has a worldwide reach with its vibrant alumni network. Working shoulder with shoulder with the institution, it is constantly aiming towards reaching greater heights to serve the needs of the society and meet the aspirations of the student community.

Vision:

To emerge as a vibrant Centre of repute, moldings students to excel in Electronics and Communication Engineering with ethical responsibility.

Mission

To excel in producing competent Electronics and Communication Engineering professionals by

- Imparting strong theoretical background in the fundamental concepts.
- Providing self-directed learning opportunities to meet a variety of career choices.
- Training students to realize ethical responsibilities for the betterment of mankind.
- Entailing the students in Research and Development activities.

Chairman's Message

Every young Indian of this great country should dream big!. It is not enough if they only dream but they should work hard to make it a reality! We at Velammal College of Engineering and Technology, Madurai, provide the necessary platform to many aspiring youths of this region to become very enterprising Engineers, so that they could provide the right kind of engineering solutions to propel our nation to greater heights! We sincerely believe in imparting quality engineering education laced with deep social values to ensure that every individual who is graduated from our Institution not only become a competent Engineer but also a very responsible citizen! It is high time that we got away from the age old practice of testing "standardized testing" to "creative teaming"! It has been our earnest endeavor to produce such Engineers who could offer very creative solutions! Life would not provide any warranties and guarantees and it provides only possibilities and opportunities! We want all our budding Engineers to remember this and make the best use of them. We are on an incredible journey and we expect every Velammalian to do the right thing, at the right time, the right way and for the right reason!". Please come and join us in our exhilarating journey!

Shri M.V. Muthuramalingam, Chairman

Vice Chairman's Message

Velammal College of Engineering and Technology, Madurai is providing the necessary platform to many aspiring youth of this region to become very enterprising Engineers, so that they could provide the right kind of engineering solutions to propel our nation to greater heights! We sincerely believe in imparting quality engineering education laced with deep social values to ensure that every individual who is graduated from our Institution not only become a competent Engineer but also a very responsible Citizen.

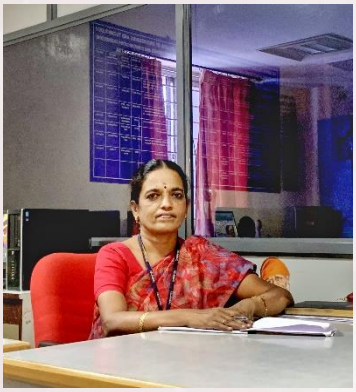
Mr. Ganesh Natarajan, Vice Chairman

Principal's Message

VCET has a world class infrastructure and state-of-the-art laboratories. The members of the faculty are highly experienced and committed to provide comprehensive technical education. The systems established in this college ensure that the engineering professionals produced are capable of meeting the global standards. Consistent campus placements and our alumni occupying premier positions in leading organizations worldwide stand testimony to quality of education and processes in this institution.

Dr. N. Suresh Kumar, Principal

HOD'S Message



In this electronics regime, the innovations improving rapidly through multi-folds by the professionals and enthusiast lead to the ever growing tree in the development of new technologies. I welcome whole heartedly the participants to join hands in supporting our endeavors by all means of interaction.

Dr. S. Vasuki Professor & Head, ECE, VCET

ASSO - SQUAD

Dr. S. Vasuki Professor
Head/ECE &
DEAN (STUDENT AFFAIRS)

Mr.A.Suban
Asst.Professor
ECE

Ms.A.Alaimhal
Asst.Professor
ECE

SUBASHI.S	3rd year ECE B	Secretary
BUVANESH BABU KR	3rd year ECE A	Secretary
VIGNESHWARAN M	3rd year ECE B	Join Secretary
YALNI P	3rd year ECE B	Join Secretary
GOKUL KUMAR R	3rd year ECE B	Join Secretary
ARUNKARATHICK MN	3rd year ECE A	Join Secretary
BHAVISHYA D	3rd year ECE A	Steering member
BHARANIVIDYAAKAR V	3rd year ECE A	Steering member
KANCHANA M	3rd year ECE A	Steering member
MUTHU PANDIAN C	3rd year ECE B	Steering member
DIVYA M	3rd year ECE B	Steering member
RAJA SREE RV	3rd year ECE B	Steering member
SHIVANI G	2rd year ECE A	Steering member
JERLINTRICKCY J	2rd year ECE B	Steering member
MANOBALA S	2rd year ECE A	Steering member
SRINIDHISH S	2rd year ECE B	Steering member

Events To Be Conducted

(2022-2023)ODD SEMESTER

SI	DATE	NAME OF THE EVENT
1	22.08.2022	Appointment of Office Bearers
2	29.08.2022	ECE Association Inauguration
3	05.09.2022	Teachers Day Celebration
4	09.09.2022	Literary Events Contest - Essay Writing, JAM, Quiz (II - ECE)
5	16.09.2022	Circuit Debugging Contest
6	23.09.2022	Seminar on "Job Opportunities and Real Time Applications of Programming Language in IT Sectors" by Alumni of ECE Department
7	30.09.2022	Short Film Contest using any of new Digital Communication Technology
8	07.10.2022	Dr. S. R. Ranganathan Trophy
9	14.10.2022	VCET-ECE APP Challenge Contest

10	14.10.2023	Poster Presentation Contest on topic" Electronic System Design And Software Development of CCD Array Detector using NIR Spectrometer"

Events To Be Conducted

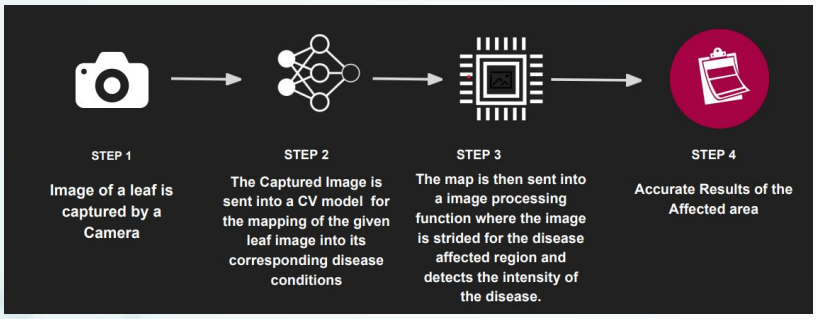
(2022-2023)EVEN SEMESTER

SI	DATE	NAME OF THE EVENT
11	20.01.2023	Adzap Contest
12	30.01.2023	Intradepartmental Paper Presentation Contest
13	03.02.2023	Tamil Pattimandram
14	10.02.2023	Hardware Hackathon Contest - II ECE
15	17.02.2023	Hardware Hackathon Contest - III ECE
16	03.03.2023	Guest Lecture
17	30.03.2023	ECE Association valedictorv

PROJECTS

DISEASE DETECTING DRONE

Plant diseases causes many significant damages and losses in crops around the world. From the literature, it is known that 43% of the plants are affected by diseases. Early Detection of Disease helps in increasing the crop productivity as well as in minimizing expense. So here we propose an innovative system to tackle the core issue of plant disease among the crops which can be done with the help of drones. By usage of Computer Vision, Deep Neural Networks and Machine Learning techniques, plant diseases can be detected. Our goal is to build a market-oriented product for Plant Disease Detection, a smartphone app compatible with Drone camera. The opportunity to improve the crop management can be essentially applied by drone-based plant analysis which indicates the exact location of plant disease and this can be implemented using OpenCV and with various packages in python. Compared to the traditional methods such as crop-waking, drone-based plant disease and weed analysis are a lot more efficient in terms of time and resource management and in turn cover 500 acres in less than two hours. The call for the gradual increase within the crop management system can be taken through this agricultural innovation.



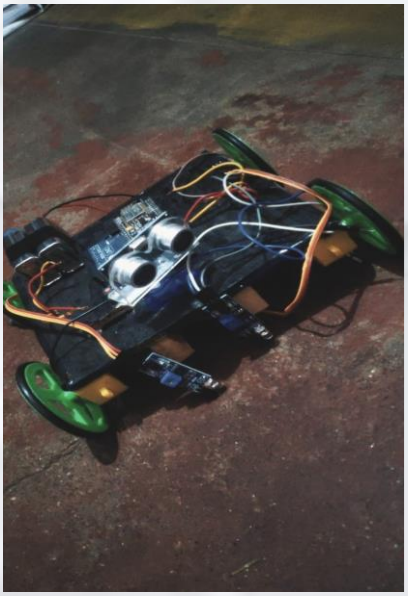
Done by: Dhanush S Sunadaram, Divya SD, Arun Karthick NM (II ECE A)

Presented a paper presentation at Ramco Institute of Technology an won first prize cash

LINE FOLLOWER

INTRODUCTION

Line follower is a machine that is designed to reduce the amount of human work where it is applicable. It is usually developed for reducing risk factor for human work and increase comfort of any worker. High performance, high accuracy, lower labour cost and the ability to work in hazardous places have put robotics in an advantageous position over many other such technologies.



WHAT IS LINE FOLLOWER?

The line follower robot is an automated vehicle that follows a visual line embedded on the surface. This visual line is a path on which the line follower robot runs. Generally, it uses a black line on a white surface, or you can adjust it as a white on a black surface.

WORKING

Working of line follower is very interesting. Line follower robot senses black line by using sensor and then sends the signal to arduino. **The concept is related to light. Here we use the behaviour of light on the black and white surface. The white colour reflects all the light that falls on it, whereas the black colour absorbs the light.** Here, we use IR transmitters and receivers. They are used to send and receive the lights. When IR rays fall on a white surface, it is reflected towards IR receiver, generating some voltage changes. When IR rays fall on a black surface, it is absorbed by the black surface, and no rays are reflected. Thus IR receiver doesn't receive any rays.

CONCLUSION

This line follower robot with multiple modes compatibility works perfectly fine as it is designed to do. And thus an attempt will be made to solve the unplanned and unauthorized parking problems in the resident area using prototype valet parking robot.

DONE BY: R.V.Ishwarya, V.K.Ramprasath, K.M.D.Sri Dharshan, R.Sandhya(II ECE B).

Presented the project demo on an event "Line follower-vision 22 Symposium **@AU CEG CHENNAI**"

RAIN SENSING AUTOMATIC CAR WIPER

Detect rain and activate the car wiper

Introduction

The system uses rain sensor to detect rain and then activates the car wiper motor through a microcontroller.

WHAT?

Automatic windscreen wipers that detect the presence and amount of rain using a rain sensor. The sensor wipers that detect the presence and amount of rain using a rain sensor. The sensor automatically adjusts the speed pf the blades according to the amount of rain detected.

WHY?

The driver has to concentrate on road while driving, and with increased traffic, things get frustrating. Thus an effort has been made to reduce the effort put by driver in controlling the speed of the wiper and put more concentration on his driving.

OPERATION

Today's car wipers are manual systems that work on the principle of manual switching. So here we propose an automatic wiper system that automatically switches ON on detecting rain and stops when rain stops.

Our project brings forward this system to automate the wiper system having no need for manual intervention. For this purpose, we use rain sensor along with microcontroller and driver IC to drive the wiper motor. Our system uses rain sensor to detect rain, this signal is then processed by microcontroller to take the desired

action. The rain sensor works on the principle of using water for completing its circuit, so when rain falls on it it's circuit gets completed and sends out a signal to the microcontroller. The microcontroller now processes this data and drives the motor IC to perform required action. The motor driver IC now drives a servomotor to simulate as a car wiper.

CONCLUSION

- Wipers are highly important for safety while driving in the rain
- Automatic wipers work with the help of sensors.
- They can also change their speed based on the amount of rain.

DONE BY,

Rajasri RV, Rajasree S, Sandhya R, Shakthi Varshini N

(III ECE B)

Presented the project demo in an Interdepartment MINI PROJECT event on the topic **' close loop system'**

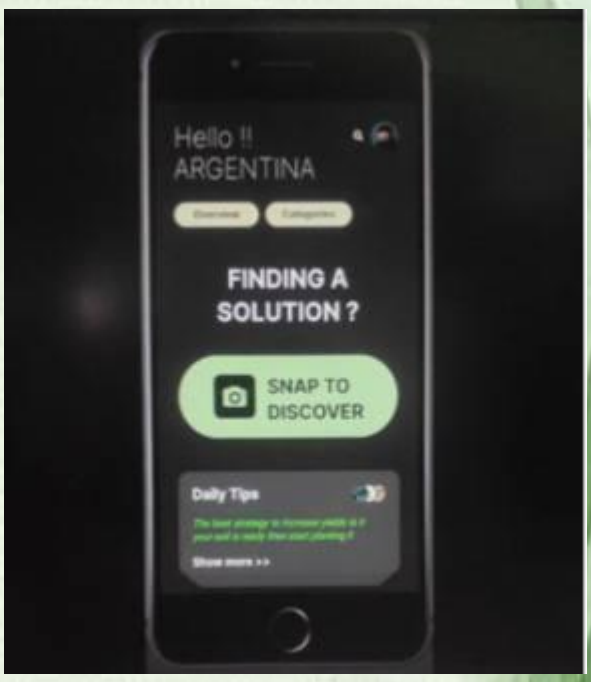
PLANT AND CROP DISEASE DETECTION AND SOLUTION

(Agricultural Development)

Plant diseases are a severe threat to the entire production. Therefore, it is essential for farmers to effectively deal with them.

SOLUTION:

CropDoc offers you the best solution by integrating the application with AI and ML. Snaps of the infested plants are uploaded in the app and the AI supports acquiring the solutions.



NOVELTY ANALYSIS:

● The different algorithm was tested on different diseases' influence on the plants. With the experimental results
which significantly supports an accurate result in less computing time which gives the best accurate result compared to others.

● Voice assistant technologies allow for two way interpretation and can transcribe, translate single speaker dictations. AI powered assistant to seek advice and recommendations.

● To meet all the requirements of farmers, a chatbot is proposed using natural language processing technology. The system will act as an interactive virtual assistant for farmers, answering all queries related to agriculture.

● Customized Chatbots with lingual intelligence to reach out farmers interactions without any language barrier. User-friendly deployment and messaging support.

● With the implementation of agricultural AI, farmers can analyze weather conditions, temperature, water usage and soil conditions collected from their farm to make informed decisions -- like determining the most feasible crop choices that year.

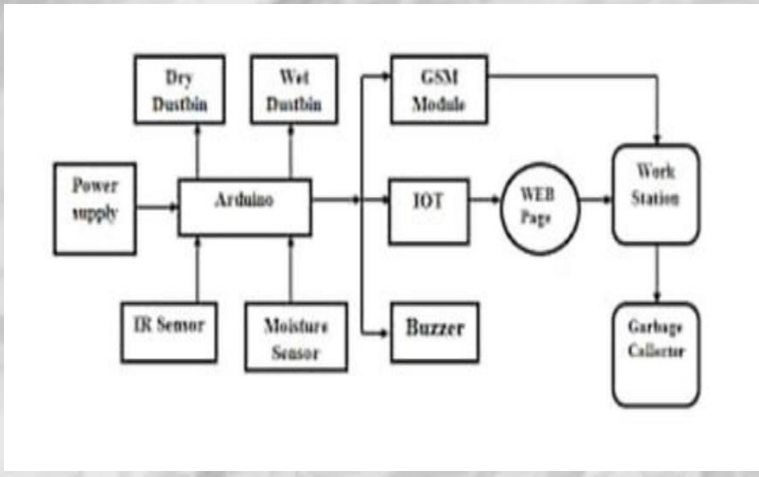
Done By,
MAHALAKSHMI J , SANTHOSH T K(ECE A IV YEAR)
SRIDHARSHAN K M D, ASWIN T A (ECE III YEAR) PRESENTED AT THE IDEATHON CONTEST BY MSME

SENSORIZED SMART BINS USING IOT FOR PRODUCTIVE RECYCLING

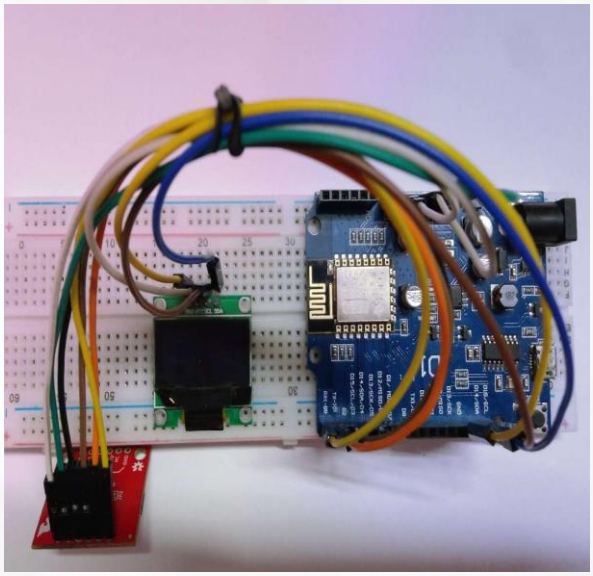
ABSTRACT As the human population increases, the amount of waste is also increasing rapidly. In cities, the overflowed bin creates an unhygienic environment. Thus degrading the environment, to overcome this situation, This paper proposes a framework of a smart bin that segregates the wastes on its own as dry, wet and metallic wastes with the utilisation of sensors, motors, Arduino and LCD screen. This system is able to detect the arrival of wastes using ultrasonic sensors and segregates the metal content in it using a metallic sensor and trash is separated as the dry and the wet residue with the use of the moisture sensor and capacitive detector. In addition to this, the system displays the garbage level of the dustbins on the LCD screen as well as sends a message to clean it if it's full by the use of Arduino. Thus, each of the wastes are detected by the respective sensors and get segregated inside the bins which are assigned to them. The details of the amount of waste disposal is updated on the server regularly. Hence the system paves an easy method of segregation of wastes, providing an efficient and cost-effective waste management system making a green, clean and healthy environment. Keywords: IR sensors, LCD screen, metallic sensor, segregation, ultrasonic sensors

(S.SUBASHI , V.MEENALOSINI , M. VIGNESHWARAN) 3rd year

ELECTRONICS AND COMMUNICATION ENGINEERING



Smart Embedded System for Food Authentication using NIR



Introduction:

Food authentication has become a well-recognized issue in food markets as, nowadays, several customers have to be compelled to be assured spiritual authentication in their food decisions and additionally different protection against counterfeit practices in food industries.

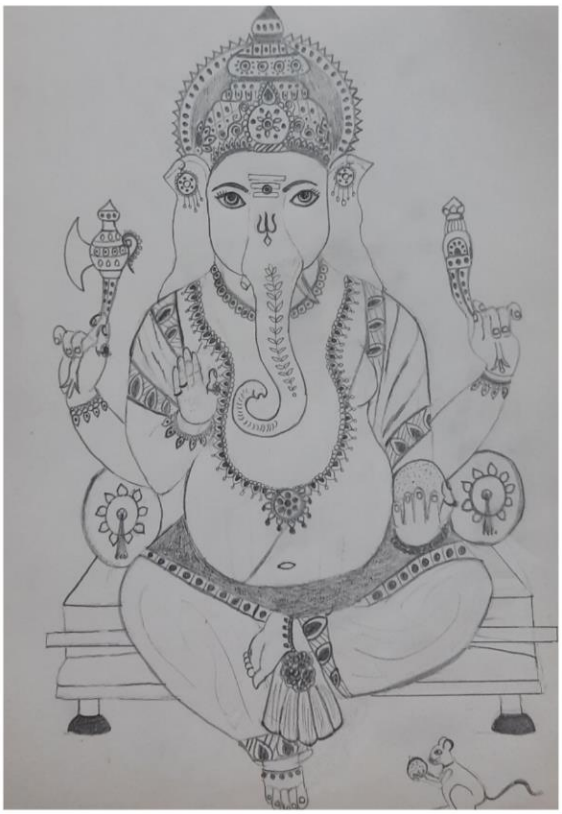
Proposed Methodogy:

The project setup consists of NIR prism Spectroscope AS7263 bounded on the bread board. The standard value of the jaggery is noted. The one Arduino is connected to the laptop and another peripheral is connected to the NIR prism spectroscope AS7263. The AS7263 is connected to the OLED. The sample that is taken here is the powdered jaggery. The Jaggery sample is taken in a transparent container and placed above the light source present in the AS7263.Working is shown in fig . The wavelengths are displayed on the desktop in the Arduino application. The tested wavelength of the jaggery is noted. Two samples of jaggery are taken. The Wavelengths of the two samples are observed using the same process. The sample which is pure shows a wavelength approximately equivalent to the standard value. The adulterated jaggery shows a wavelength different from the standard value. Now the values noted from the measured wavelength and the existing wavelength are compared. If the values are approximately equal, then the OLED displays “Good Quality”. If the values show any deviation, then the OLED displays “Adulterated”. The comparison of the standard wavelength value and the wavelength obtained from the experiment decides whether the jaggery is adulterated or not. If the standard value and measured value are different, it indicates that the jaggery is adulterated. This set up is compact and is useful to identify whether the jaggery is adulterated or not.

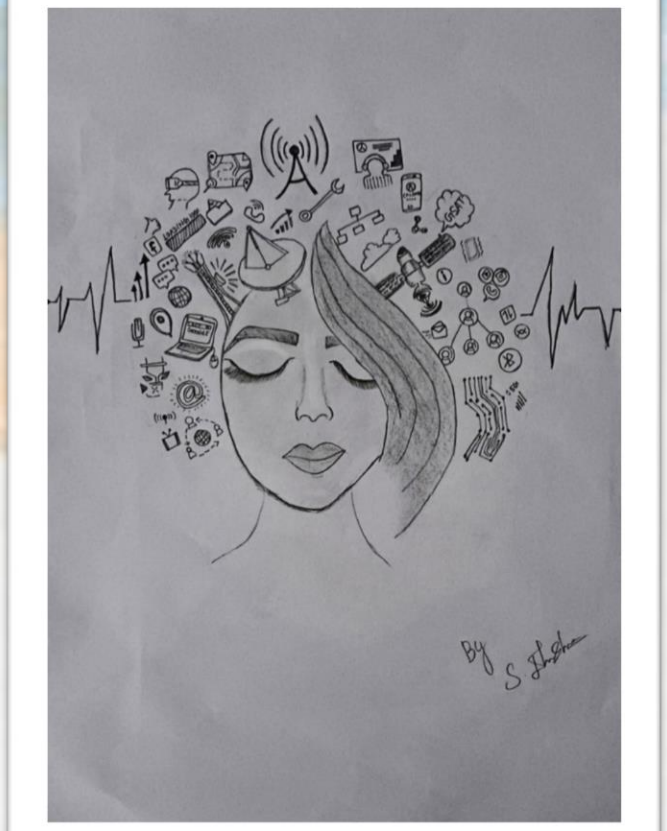
Raghu Raman
Naveen Babu
Vignesh K
Jayaveerapandian S
(IV ECE B)

Won a cash prize of Rs. 5000 in a contest by Electronic Wings’

ART CORNER

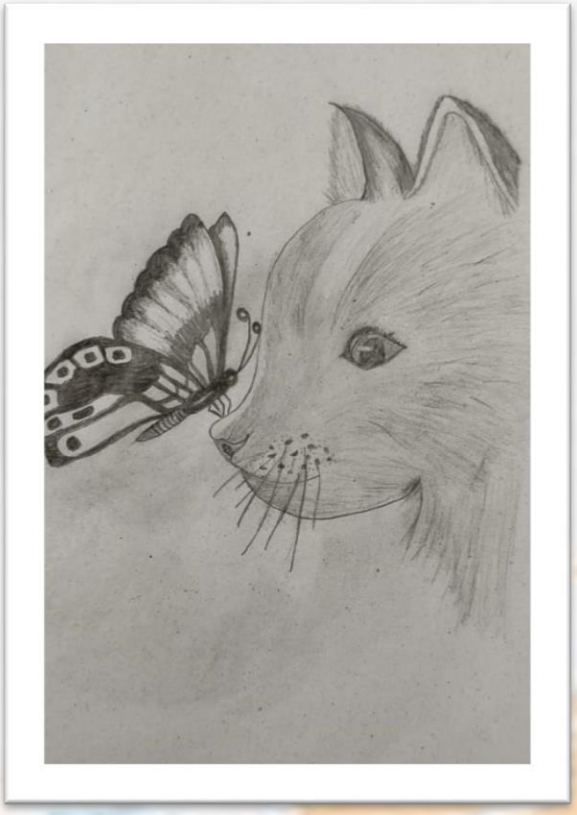


SHREEHARINI M 3rd ECE

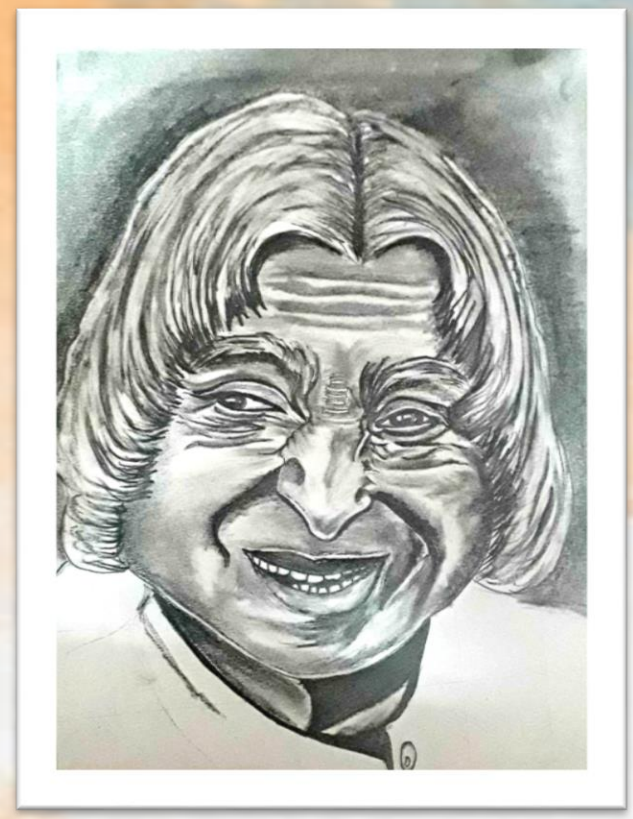


Dharshana.S 2ndECE B

Kirthika S 3rd ECE-A

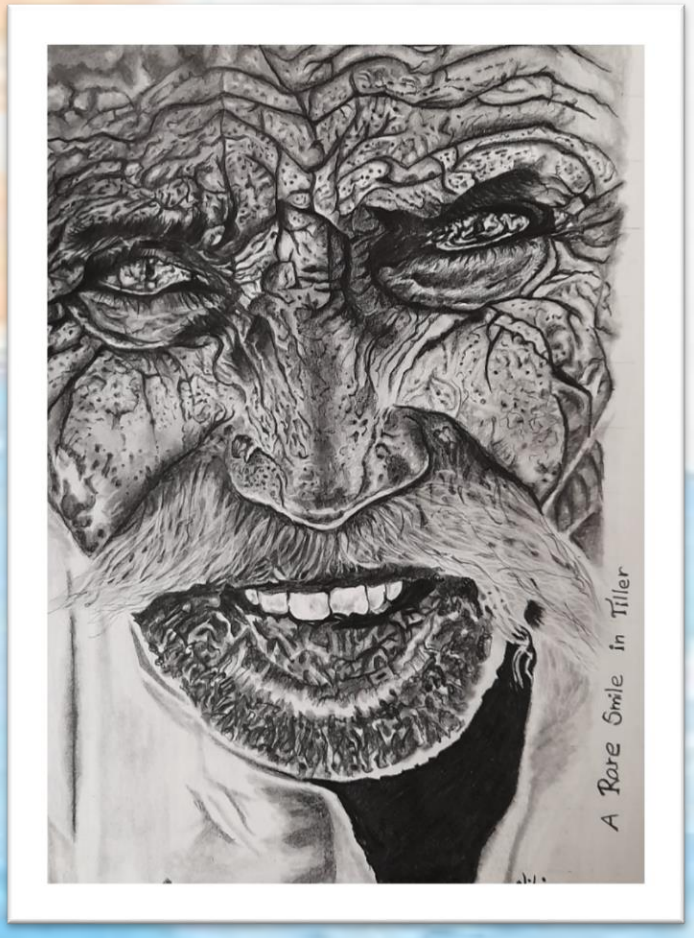


Tamilarasi 3rd ECE-B

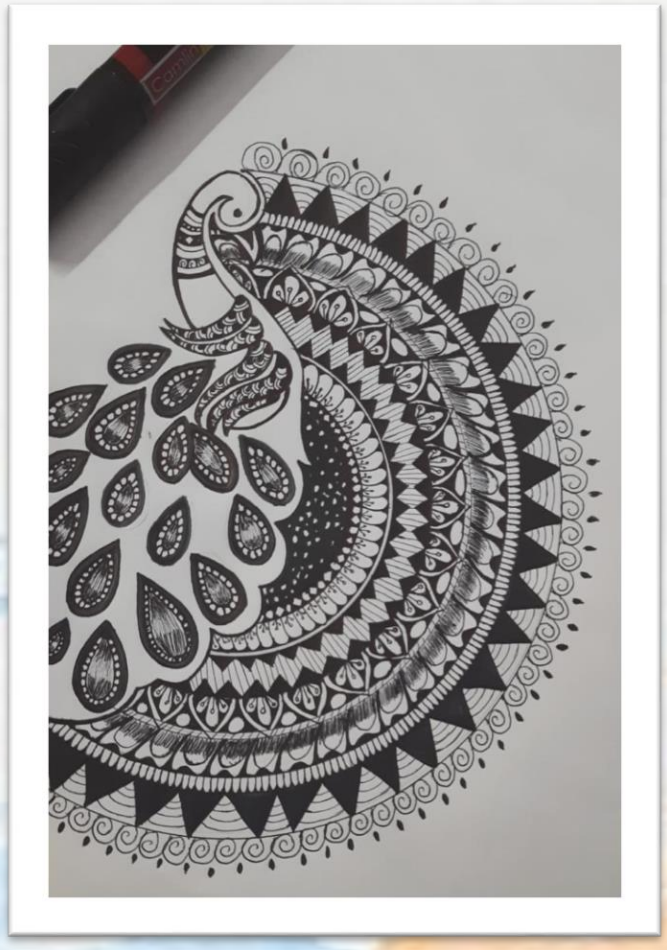


Ishana Chellam 2nd ECE-A

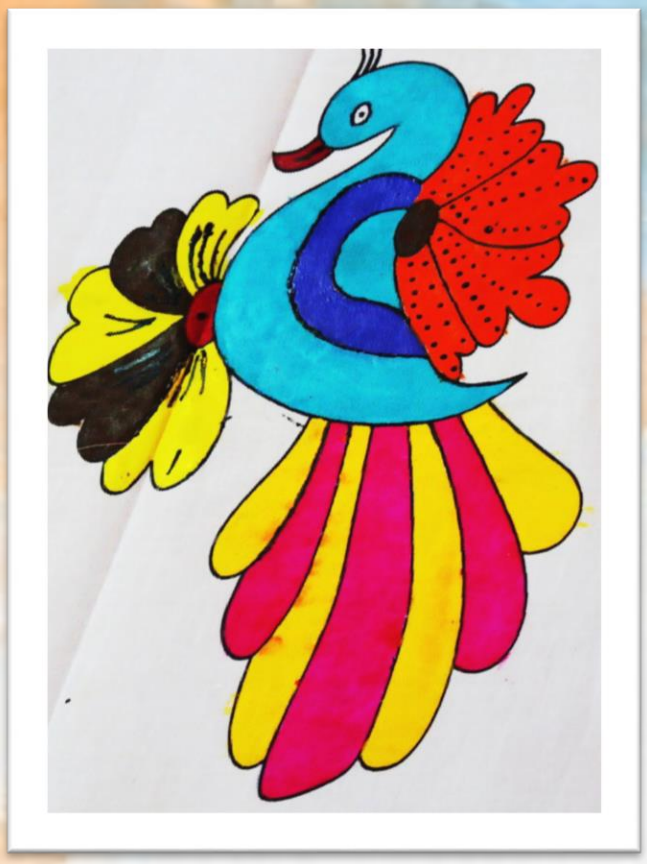
Meenalosini V 3rd ECE-B



Nihila R 3rd ECE-A

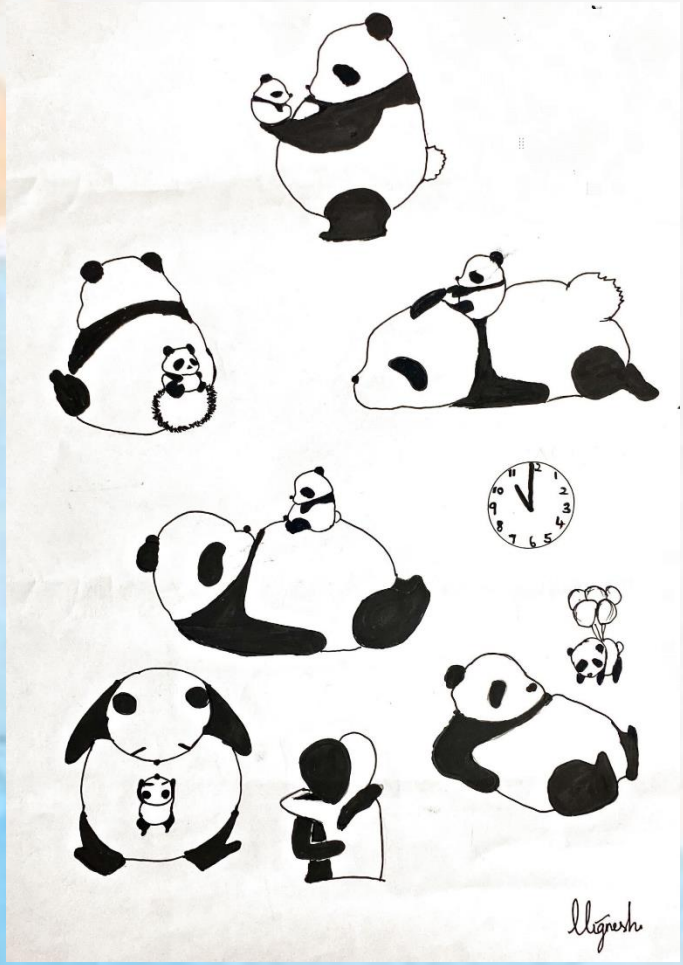


Nivetha J 3rd ECE-B



Dharshini 21ECE05

Eugene Jose Pushpa G
3rd ECE-A



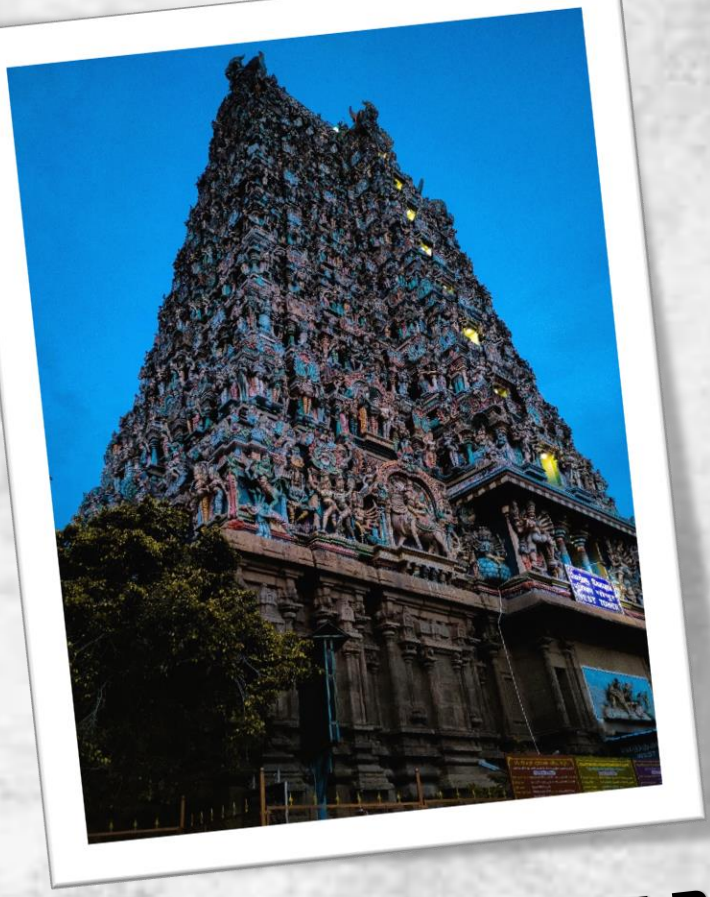
Vigneshwaran M
3rd ECE-B

PHOTO GRAPHERS

M G Prasanna Venkatesh
3rd ECE-A

P Logesh
4th ECE-A

Ramya P 2nd ECE-A



Siva Jeeva G 3rd ECE-B

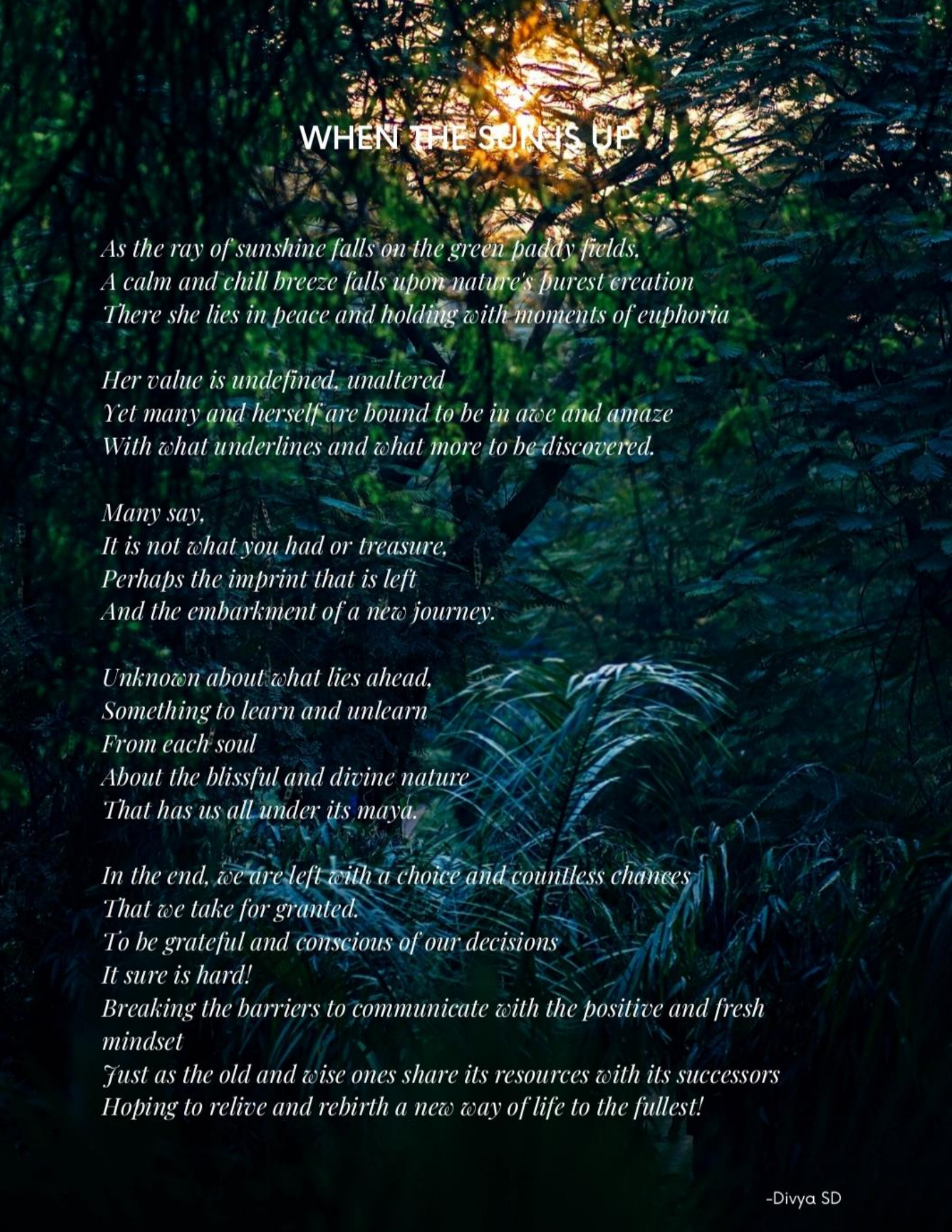
Guru Nivaas 3rd ECE-A

[Digital painting]
T.P.Harini
2nd ECE - A

Vigneshwaran M
3rd ECE-B

SWETHA V
3rd ECE-B

STUDENTS FANTASY



WHEN THE SUN IS UP

As the ray of sunshine falls on the green paddy fields,
A calm and chill breeze falls upon nature's purest creation
There she lies in peace and holding with moments of euphoria

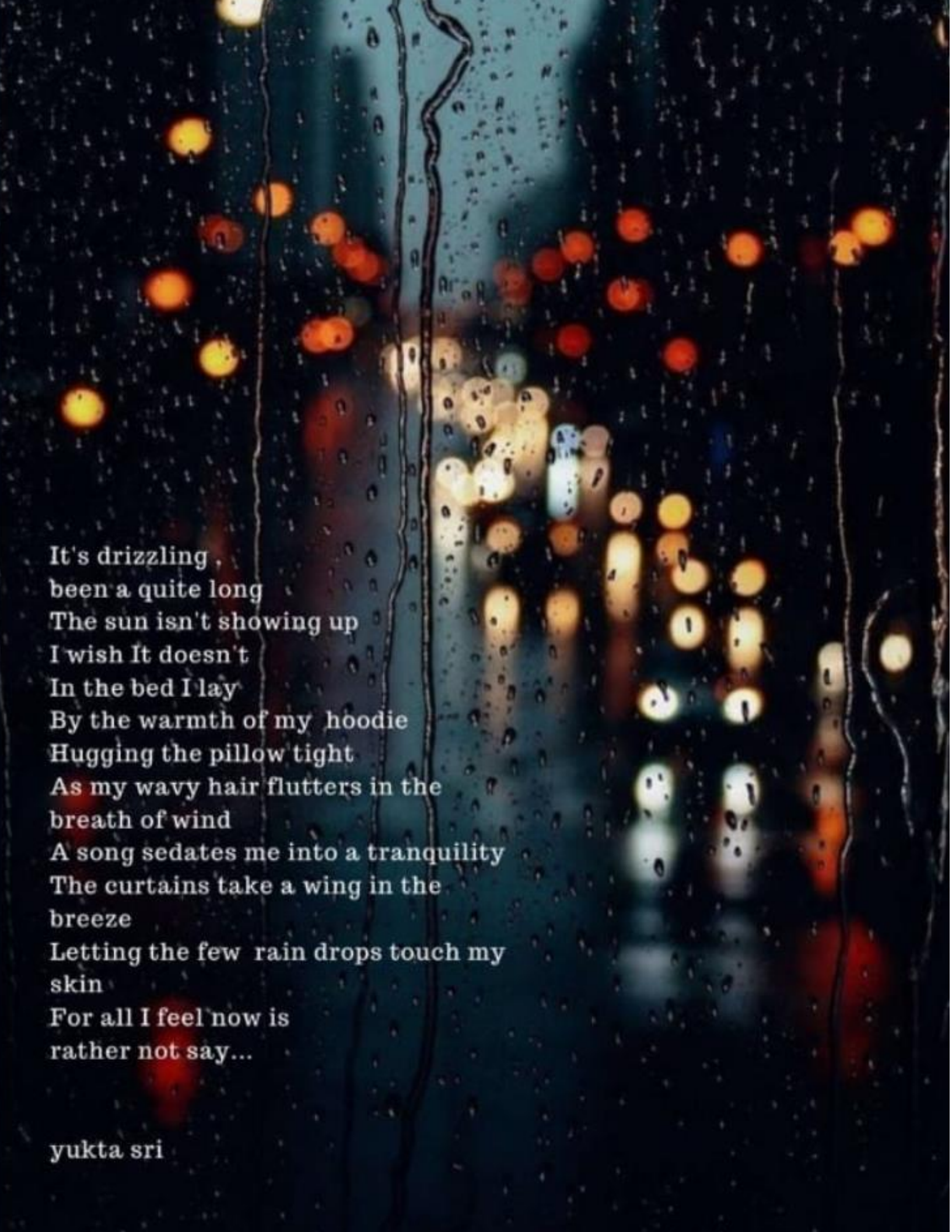
Her value is undefined, unaltered
Yet many and herself are bound to be in awe and amaze
With what underlines and what more to be discovered.

Many say,
It is not what you had or treasure,
Perhaps the imprint that is left
And the embarkment of a new journey.

Unknown about what lies ahead,
Something to learn and unlearn
From each soul
About the blissful and divine nature
That has us all under its maya.

In the end, we are left with a choice and countless chances
That we take for granted.
To be grateful and conscious of our decisions
It sure is hard!
Breaking the barriers to communicate with the positive and fresh mindset
Just as the old and wise ones share its resources with its successors
Hoping to relive and rebirth a new way of life to the fullest!

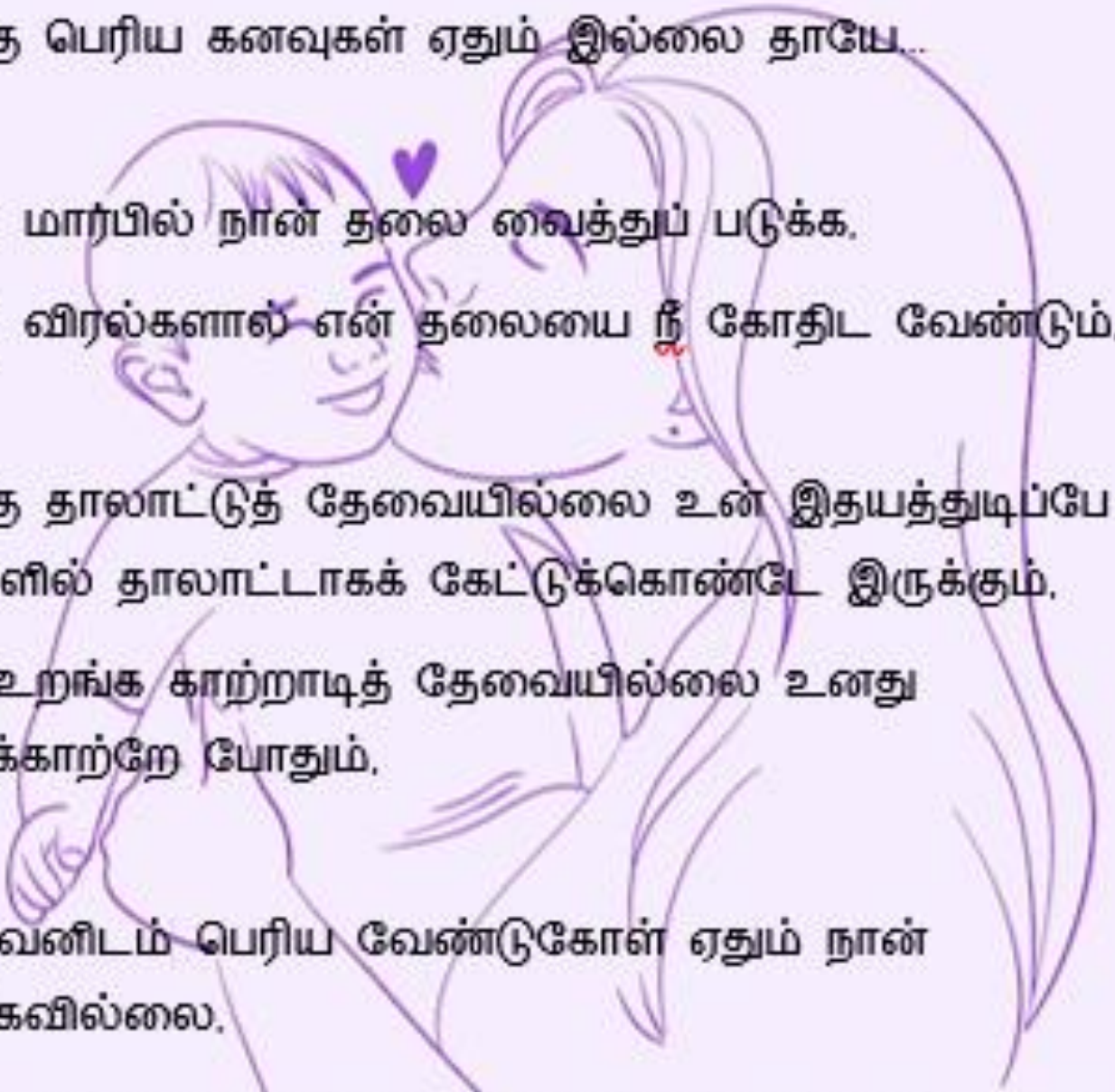
-Divya SD



It's drizzling ,
been a quite long
The sun isn't showing up
I wish It doesn't
In the bed I lay
By the warmth of my hoodie
Hugging the pillow tight
As my wavy hair flutters in the
breath of wind
A song sedates me into a tranquility
The curtains take a wing in the
breeze
Letting the few rain drops touch my
skin
For all I feel now is
rather not say...

yukta sri

•தாயிடம் வேண்டுகோள்•



எனக்கு பெரிய கனவுகள் ஏதும் இல்லை தாயே..

உனது மார்பில் நான் தலை வைத்துப் படுக்க,

உனது விரல்களால் என் தலையை நீ கோதிட வேண்டும்.

எனக்கு தாலாட்டுத் தேவையில்லை உன் இதயத்துடிப்பே என் காதுகளில் தாலாட்டாகக் கேட்டுக்கொண்டே இருக்கும்.

நான் உறங்க காற்றாடித் தேவையில்லை உனது மூச்சுக்காற்றே போதும்.

இறைவனிடம் பெரிய வேண்டுகோள் ஏதும் நான் வைக்கவில்லை.

இப்படி என்னை உறங்கவைக்க என்றும் என் தாய் என்னிடம் இருக்க வேண்டும் என்று வேண்டி,

கண்களை மூடினேன் அப்போதும் உன் முகத்தைப் பார்த்த மகிழ்ச்சியில் உறங்குகிறேன் தாயே...

- சு.அபிநந்தன்

SPORTS CORNER

ECE Laboratories

ECE

Electronic Circuits Lab

Electron Devices Lab

Communication

Integrated Circuits

Microprocessor Lab

Signal Processing Lab

Optical & Microwave Lab

VLSI Lab

Networks & Simulation

RF Lab

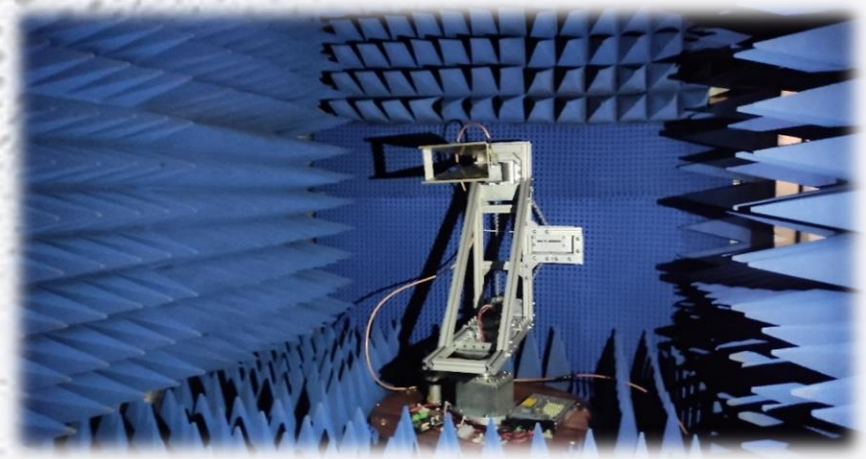
Centre for Unmanned Systems Research Lab (3 Lakhs)

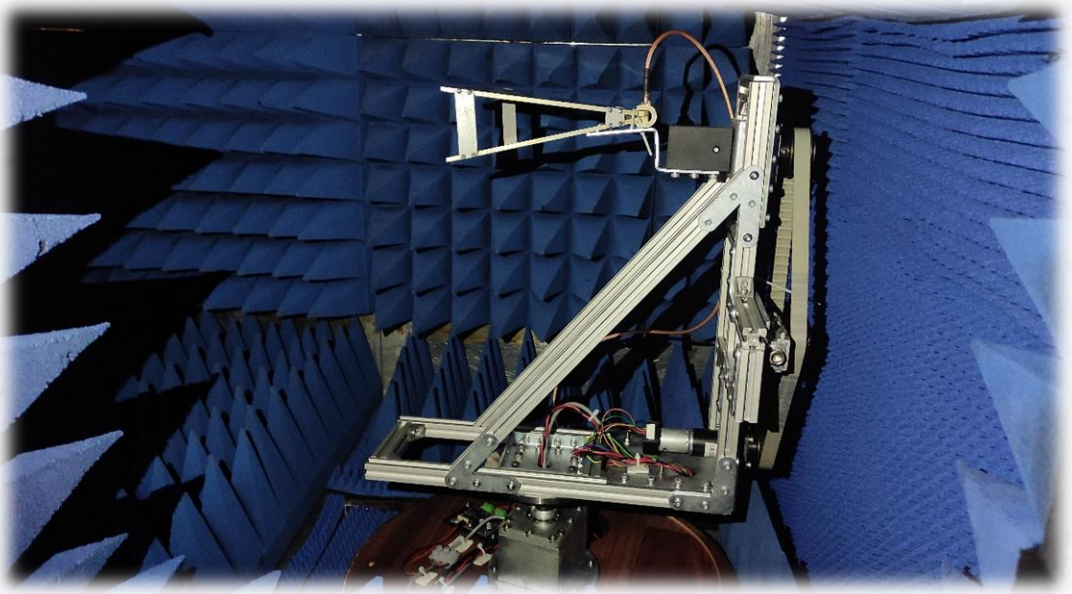
Centre for Excellence Research Lab for "IoT" (11.98 Lakhs)

NEW RESEARCH LAB COMRAD LAB

The Department of Electronics and Communication Engineering of Velammal College of Engineering and Technology (VCET) Signed Memorandum of Understanding (MoU) with COMTEK Scientific Instruments, Bangaluru for Research and Consultancy Project collaboration 0n 30.12.2021. As a part of MoU signed, COMRAD [COMTEK Sponsored Research and Development] LAB equipped with devices worth of Rs. 15 Lakhs was established and inaugurated jointly by Hob'ble Vice-Chairman of Velammal Educational Trust Shri. Ganesh Natarajan, Director of COMTEK Scientific Instruments Shri. S. Jayakumar & The Principal of VCET Dr. N. Suresh Kumar. The Programme was convened by Dr. S. Vasuki, Dean (Student Affairs) & Head/ECE and Coordinated by Mr. A. Suban, Assistant Professor/ECE. Also, a research dialogue was delivered by Shri. S. Jayakumar, where various research methodologies on UV VIS NIR Spectrocscopy based measurements of absorbance and transmittance fluorescence and its real time applications was addressed by him. Besides, heads of various departments & Deans, learned faculty members interacted with him and ways of commercializing their developed prototype with proper validation in the market was discussed.

NEW RESEARCH ANECHOIC CHAMBER





FACULTY CORNER

Pressure Sensor using Nano Diodes

Dr.P.Suveetha Dhanaselvam, Associate Professor/ECE

Pressure is an important parameter in many industrial products as well in our day-to day products. For example, car tyre pressure has to be monitored for smooth running of car. Similarly in industries if the pressure in gas/chemical tanks goes high beyond a certain limit, it causes explosion. Hence continuous pressure monitoring is essential in many applications. The role of Nanotechnology in pressure monitoring is boosting high since it makes it possible without an external power source. A pressure sensor is capable of working by utilizing the piezoelectric effect. It can monitor pressure and display the data without the need of an external power source. Usage of nanowires offers more accuracy in sensing the pressure .There are only a couple of materials that exhibit the piezoelectric effect. The number of suitable materials drops even more when nanowires come into play. It is found that zinc oxide is one of the most suitable material to be used as pressure sensors . ZnO exhibits the piezoelectric effect and there are multiple methods to grow ZnO nanowires in which sputtering technique can be chosen for fabrication.As a preliminary work, the device is designed and simulated using TCAD tool. The project titled "Performance Analysis and Characterization of Si/ZnO Heterojunction diode as Pressure Sensor" sanctioned in TARE, SERB deals with the modelling and analysis of the pressure sensing characteristics of the device. It is also validated using software tool that ZnO based heterojunction diodes can used as pressure sensors .

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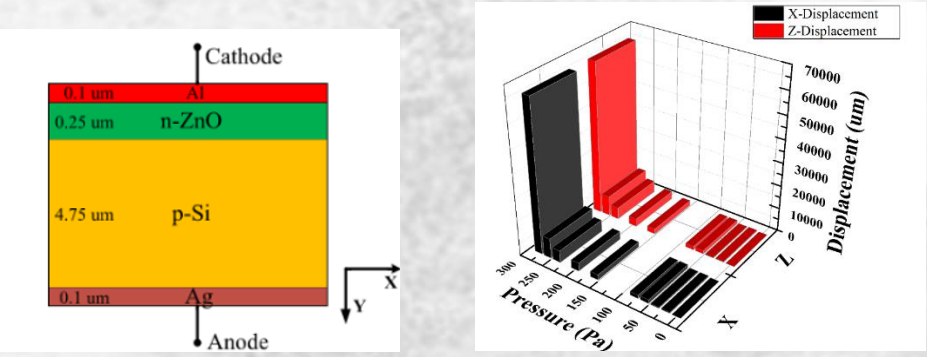

Structure and Displacement of Si/ZnO heterojunction diode for different values of pressure

Amazing Facts That Might Surprise You

India is the wettest inhabited place on Earth

Meghalaya village has won the Guinness world record title for the wettest place on Earth, with about 11,873 milliliters of rain annually. The monsoon season lasts six months, so make sure you pack an umbrella!

Rajasthan has a Temple of Rats

The animal wonders of India continue. Although rats might not be the first species you think of to worship, there is a temple in Rajasthan dedicated to rats.Thousands of rats call the temple home, making it one of the country's most unique attractions.

During World War II, the Taj Mahal was disguised as a bamboo stockpile

To protect the Taj Mahal during World War II, the entire palace was covered with bamboo scaffolding, completely hiding the true structure from bomber planes flying overhead.The trick seemed to work because the Taj Mahal was never struck during the war.

The Kumbh Mela is visible from space

The Kumbh Mela is an important festival and pilgrimage site, and the largest gathering on Earth. While a celebration takes place each year, there is a festival of greater significance at four-year and twelve-year intervals.The number of people attending the festival is so large that the crowd is visible in satellite photos taken from space.

Ms.A.Alaimahal,M.E(Ph.D)
Assistant Professor/ECE

ALUMNI CORNER

Muthumari B

Associate Software Engineer, Development, ApteanTechnologies

I'm Muthumari from 2018-2022 (Online-Offline)batch student! I must thank to my dad because he only suggested me to choose Engg with stream ECE. I scold him always why you told me to choose ECE. Now, I thanked him for chosen the best department! Electronics and Communication are the two most happening entities of modern technology. The demand for both of these has remained quite high in the last few years and is expected to reach the apex within another ten years. We can also show the flexibility of choosing software field over hardware field.Being an ECE student, I have seen proper and well-equipped laboratories, workshops, projects, and industrial visits and various activities are established in my ECE department.With these all activities have helped me a lot to achieve my placement in various companies.I would like to thank ECE department for helping me to become what I am today. The faculty(I can proudly say as my friends) encouraged me all the time from starting day to the end. I have improved my Personal and Professional skills such as self-confidence, strong communication and leadership skills.I can still remember those lab days and class days our notes were flying in the air and also we got experience in catching notes!With our lectures notes, We easily cracked our technical part in placement and got good marks in labortary VIVA. I have missed 2 years of my engineering life because of covid!I wish I could go back to missed 2 years by any time machine! Jokes Apart, ECE is surely a beneficial stream for engineering aspirants

ALUMNI CORNER

Rajendra Prasad T

System Engineer

Tata Consultancy Service

Being passionate towards communication field from childhood, i decided to pursue my UG in Electronics and Communication Engineering department from VCET. Department faculty members supported and helped me in all aspects, which really helped me to explore beyond textual. In simple words we can say department of ECE has well-wisher and supporter as a HOD, Mentor and ever caring person as a class in charge, career advisor as a placement in charge, collective wisdom as a faculty members and technical assist as lab in charges and supporting faculties. Department of ECE provided me a healthy environment to carry out my inter department collaborative research in areas like Networking, VLSI Design, Internet of things, robotics, etc. Because of the above reason I was able to attain conceptual knowledge in our technical domain and able to pursue my career in networking domain as a System Engineer in Tata Consultancy service who associates with Ericsson R&D as a client for 5G communication.

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