



ROHINI

COLLEGE OF ENGINEERING AND TECHNOLOGY

Autonomous Institution

Approved by AICTE & Affiliated to Anna University

NBA Accredited for BE (ECE, EEE, MECH)

Accredited by NAAC with A+ Grade



RONIX 2K25

ANNUAL MAGAZINE 2025 - 2026



DEPARTMENT

OF

ELECTRONICS AND COMMUNICATION ENGINEERING

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MESSAGES

FROM THE DESK OF THE CHAIRMAN, RCET

Learning gives creativity, creativity leads to thinking, thinking provides knowledge, knowledge makes you great” - Dr.A.P.J.Abdul Kalam.

These words by - Dr.A.P.J.Abdul Kalam perfectly describe our aim at Rohini College of Engineering and Technology.

Our aim is to teach students to LEARN, not just STUDY. Hence, we strive to travel beyond the boundaries of mere books.

I can proudly say that Rohini College of Engineering and Technology is the most modern and sophisticated multidisciplinary institution, imparting quality education and providing a wide and varied arena for the staff and students to showcase their academic and extracurricular talents. RCET has made a tremendous progress in all areas crossing several milestones within a very short span of time. I feel happy to know that the students and faculty of ECE department of RCET bringing out the technical magazine RONIX 2k25.

The role of a department magazine is therefore vital in promoting what an institution offers. It brings out into the open things hitherto unrevealed. It brings to light the names of the unsung heroes and their mighty deeds.

I am proud to say that once our students step in RCET, they step out with self- confidence and knowledge to face all future endeavors with full conviction. Fly in the plane of Ambition, Land in the Airport of Success, the luck is yours the wish is mine. May your future always shine. Good Luck.



Cordially,
Shri.K.NEELA MARTHANDAN
Chairman Rohini Groups

MESSAGES

**FROM THE DESK OF THE
PRO-CHAIRMAN, RCET**



Dear All,

My heartfelt congratulations to the Head of the Department of ECE department at RCET and her team of students and professors for their continued dedication, commitment, hard work and collective creative energies, who have labored hard to bring out the magazine for the academic year 2025-26.

As the Pro chairman of the institution, my heart swells with pride to see the ECE department blossoming and spreading its fragrance of excellence and unfold its petals of quality education. With each progressing year, the ECE department of RCET has strengthened its prime objective and commitment to provide quality education with an elemental emphasis on character formation. The teaching faculty of ECE department comprising a group of qualified, talented and dedicated members consistently emphasize upon enforcing discipline among students with quality classroom teaching and wholesome education. This magazine serves as a channel to express thoughts, imagination and creativity into words. This edition of the magazine encapsulates the arrested moments of yet another eventful year in its flow. The RONIX 2025 annual magazine faithfully mirrors multifarious activities and the harmonious growth of the ECE department of RCET and also proves to be an outlet for the talent of the engineers of tomorrow.

Cordially,

Dr. N. Neela Vishnu, MBA, D.Litt
Pro-Chairman Rohini Groups

MESSAGES

FROM THE DESK OF
MANAGING DIRECTOR, RCET

Dear All,

“If you are not willing to learn
No one can help you
If you are determined to learn
No one can stop you”

-Zig Ziglar



I am glad to know that the ECE department of RCET is bringing out the annual issue RONIX magazine. The magazine beautifully records the splendid moments of the 2025-2026 academic year. It is a reflection of the enthusiasm, passion, intensity and dedication of teachers for the profession they have chosen. The report reflects that the year 2025-2026 has been yet another vibrant and progressive year for the ECE department of RCET. It serves as a platform to display the creative thoughts and talents of the students. Initiatives like this provide opportunity to the students and encourages their talents. The department not only strives to transform students into professional graduates but also sensible and responsible young active citizens. I hope that they continue to create delightful academic excellence and a bounty of opportunities to make budding engineers, competent enough to face the future.

I would like to extend my warm greetings to the HOD, staff and the students of the ECE department and send my best wishes for their future endeavors

Cordially,
Dr.V.M.Blessy geo, M.sc,Ph.D
Managing Director of RCET

PRINCIPAL'S MESSAGE



Dear All,

It gives me an immense pleasure to note that Department of Electronics and Communication Engineering of ROHINI College of Engineering and Technology is bringing out the Magazine 'RONIX2k25'

Dear All, it gives me great pleasure, as a Principal of this college, to say a few words about Rohini College of Engineering and Technology. Any Institution, if it aims at reaching greater heights, needs to have clearly spelt Vision and Mission. Our college has set its Mission as to impart Quality Education to all the people, thereby developing the nation as a whole. UGC has conferred the Autonomous Status to the college starting from the academic year 2025-2026 for a period of 11 years.

Our long term vision being to achieve greater heights in the field of education by providing an opportunity to each and every individual to choose the right path, realize the value of education and achieve their goals by adding values through quality education. We give more emphasis to the overall molding of every student through quality education and In-plant training, right from the initial stage of education. The pleasing and peaceful environment in which the college is located, favors the students in focusing more on their studies. Well-equipped laboratories and work shop with most modern and sophisticated instruments/machineries are provided to impart state-of-the-art education to the students. Ample opportunities are being provided to the students in Personality Development and other extracurricular activities.

PRINCIPAL'S MESSAGE

The placement cell has a vital role in placing the students in the reputed companies. With all these facilities in place and with the right attitude of the Management, The students who continue education in this esteemed Institution would be greatly benefited in future.

Each issue of this News letter is a milestone that marks our growth, unfolds our imaginations, and gives life to our thoughts and aspirations. My heartfelt Congratulations to staff members and Students for their fruitful effort. Best Wishes.

Best Wishes,
Dr. R. RAJESH, M.E., Ph.D.
Principal, Rohini College of Engineering
And Technology Palkulam,
Kanyakumari

HOD'S MESSAGE

It is with immense pride and pleasure that We announce that the Department of Electronics and Communication Engineering is preparing to release the “RONIX 2k25” Magazine, a remarkable testament to the talent, creativity, and dedication of our faculty and students.

This magazine serves as a reflection of our continuous commitment to excellence in both academics and extracurricular activities.

As we step into an era of rapid technological advancements, it is our responsibility to ensure that our students not only excel in their technical abilities but also grow as well-rounded individuals, ready to take on the challenges of the world. The "RONIX 2k25" Magazine encapsulates this very ethos, highlighting the collective achievements, innovative ideas, and collaborative spirit that define our department.

I commend the Editorial Board, the authors, our talented faculty, and the students who have contributed their time and effort to make this publication a reality. Your hard work is truly appreciated, and I look forward to seeing this magazine become an annual tradition that continues to inspire and showcase the brilliance of our department.

Let this magazine not only serve as a chronicle of the year gone by but also as a source of inspiration for all of us to continue striving for excellence, innovation, and meaningful contributions to society

On behalf of the Department and myself, I would like to express my sincere congratulations to the Magazine Committee for their relentless dedication. I wish you all the best in the successful publication of the “RONIX “ 2025



Dr.Reji.M
Professor & Head
ECE Department

ASSOCIATION COORDINATORS



Dear All,

It gives us great pleasure to bring you the first issue of “ElectroVision”, the ECE department Newsletter of Rohini College of Engineering and Technology,

Kanyakumari. The name and fame of an institute depends on the caliber and achievements of the students and teachers. The role of teacher is to be a facilitator in nurturing the skills and talents of students. This Newsletter is a platform to exhibit the literary skills and innovative ideas of teachers and students “Electrovision” presents the skills and innovative thinking of students and contributions of teachers. We would like to place on record our gratitude and heartfelt thanks to all those who have contributed to make this effort a success. We profusely thank the management for giving support and encouragement and a free hand in this endeavor. Last but not the least we are thankful to all the authors who have sent their articles. We truly hope that the pages that follow will make an interesting read. With Best Wishes!

**Dr.E.Sree Devi,
Professor,
ECE Department.**

FROM THE DESK OF EDITOR



Dear Readers,

On behalf of the department of Electronics and Communication Engineering of Rohini College of Engineering and Technology, it gives me immense pleasure to introduce the latest version of our department technical magazine RONIX 2K25. This magazine is a showcase of the creativity and talents of the faculties and student writers of ECE. This magazine is a milestone that represents our growth, unfolds our imaginations and energize our thoughts and aspirations.

Through this magazine , we are pleased and happy to share valuable scientific information and also bring out the academic achievements of our budding engineers to your knowledge. I express my sincere gratitude to the management, faculties and students of RCET who took efforts to bring up this edition in an effective manner. I also thank the authors who have delivered valuable resources to enlighten this edition. Finally, I congratulate the entire editorial team for their hard work and dedication which resulted in the publication of this magazine.

**With thanks and best regards,
Dr.SUMI M S,
Associate Professor/ECE,**

EDITORS DESK

The Creative minds of the Electronics and Communication department of Rohini college of Engineering and Technology have come together to present what they have always wanted to and we congratulate every student who has given their contribution.

They can't be appreciated enough and we can't explain how difficult it was to compile all their accomplishments into a single magazine. We take pride in showing you of how our very own Velammalians have imaginations which spread across the horizons.

We would like to thank the Management and all the staffs who have supported the 'Evolve' initiative and for having trust in the Editorial board by giving us full freedom to choose the contents and design for our magazine. The magazine should serve as a pillar of motivation for every other student who is yet to emerge as an Achiever and to carry the legacy of Evolve. The students who follow in the next academic years, we advise you to do the same. Go Mad, B.E. productive but at the same time B.E. creative! (pun intended)



M.HARINI
IV Year ECE



K.Sheik Anfal Khan
III Year ECE



M.Malar Bharathi
IV Year ECE

INSTITUTE VISION

- To be an academic institute of continuous excellence towards education and research in rural regime and provide service to nation in terms of nurturing potentially higher social, ethical and engineering companion graduands.

INSTITUTE MISSION

- To foster and promote technically competent graduands by imparting the state of art engineering education in rural regime.
- To enunciate research assisted scientific learning by dissemination of knowledge towards science, agriculture, industry and national security.

DEPARTMENT VISION

- To promote Ethical and Innovative Electronics and communication Engineers through excellence in teaching, training and research so as to contribute to the advancement of the rural society and mankind.

DEPARTMENT MISSION

- To focus on quality teaching and learning that will make students to adapt to the needs of the industry and higher learning.
- To infuse a spirit of social responsibility, innovation, creativity and ethical practices through all round development activities of students.

ABOUT



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

Rohini college of Engineering and Technology (RCET), founded in the year 2012 by Shri.K.Neela Marthandan, a great Industrialist and philanthropist, stands out as a prestigious Institution of higher learning with a mission of pursuing excellence in education and research. The Institution is run by Dr.N.Neela Vishnu as the pro chairman and Dr.V.M.Blessy Geo as Managing Director.

The institution, with dynamic community of students offers 9 undergraduate programs, 8 postgraduate programs and a research program in the Department of Mechanical Engineering with accomplished faculty, high class facilities and premium hostels. RCET is located at Palkulam near Anjugram which is 5 kms from Kanyakumari and 14 kms from Nagercoil junction.

UNIQUINESS

- An ISO Certified institution Ø Project cost of Rs.26,75,000/- sanctioned by AICTE under the Modernization and removal of Obsolescence Aspirational-(MODROB-ASP)
- Project sanctioned worth Rs.5, 00,000/- by Tamil Nadu State Council for science and Technology (TNSCST) for the proposal “Mapping of Science and Technology needs of Tamil Nadu”.
- Received fund of Rs.1.5 Lakhs for the Scheme Unnat Bharat Abhiyan under the Ministry of Human Resource and Development (MHRD).
- The outcome of the faculty research is published in major research journals and reputed international conferences in India and abroad.
- The Institute boasts of about 42 patents including 1 Australian patent, out of which 39 patents have been published and 3 granted till date.
- All the departments have set up Product Development Centre to inculcate research practices in the student community.
- The Institute facilitates the placement training activities with the help of industry experts and corporate trainers to prepare the students industry-ready, apart from providing placement training right from First year in the regular schedule for the Distinctive Syllabus framed.
- Over 90% of the eligible students are placed in reputed companies such as Cognizant Technology Solutions (CTS), Capgemini, Infosys, Tata Consultancy Services, Wipro India Limited, Ramco Systems, Nggawe Nirman Technologies etc., with a salary package ranging from 2.5 LPA to 4 LPA.

UNIQUENESS

- RCET has signed Memorandum of Understanding(MoU) with certain leading industries and Premier Institutes to attain symbiosis and to reduce the gap between Industry expectations and Academics. The Institute has MOU with:
 - SWAYAM - NPTEL Local Chapter.
 - Nodal Centre for Virtual Lab of IIT, Kharagpur.
 - Siemens Centre of Excellence in Manufacturing, NIT Trichy.
 - IREL(India) Limited
 - Natural Resources Development Project - Vivekananda Kendra.

ABOUT DEPARTMENT

The primary objective of the department is to impart quality education and to deepen the knowledge and skills of the students in the basic concepts and theories in various areas of Electronics and Communication Engineering.

SCOPE

Electronics is now part of our everyday life, from the mobile phones to televisions, computers and even the high-end advanced satellites that are helping us to lead a smooth life. Ever since the evolution of technology, Electronics and Communication has become an essential discipline which is required by all the industries. Hence, Electronics and Communication engineering is one of the most sought after branches by students. Electronics and Communication Engineering has also penetrated into other areas like healthcare, instrumentation, automation, remote sensing, signal processing etc.

Electronic devices are powered by components like semiconductors, diodes, transistor, and integrated circuits. For instance, diode function as rectifiers, transistors amplify signals, LEDs emit light, solar cells convert sunlight into energy, and logic gates process digital signals. These components are vital for driving the technology we use daily, including smartphones and computers.

- Internet of Things
- Robotics · Mechatronics
- Embedded System
- Digital Image Processing
- Artificial Intelligence and Machine Learning
- 5G Technology

So students pursuing electronics and communication engineering have a lot of scope in varied industries. Taking the educational scope and career choices into consideration, here are the popular areas of study in the field of Electronics and Communication.

FACTS

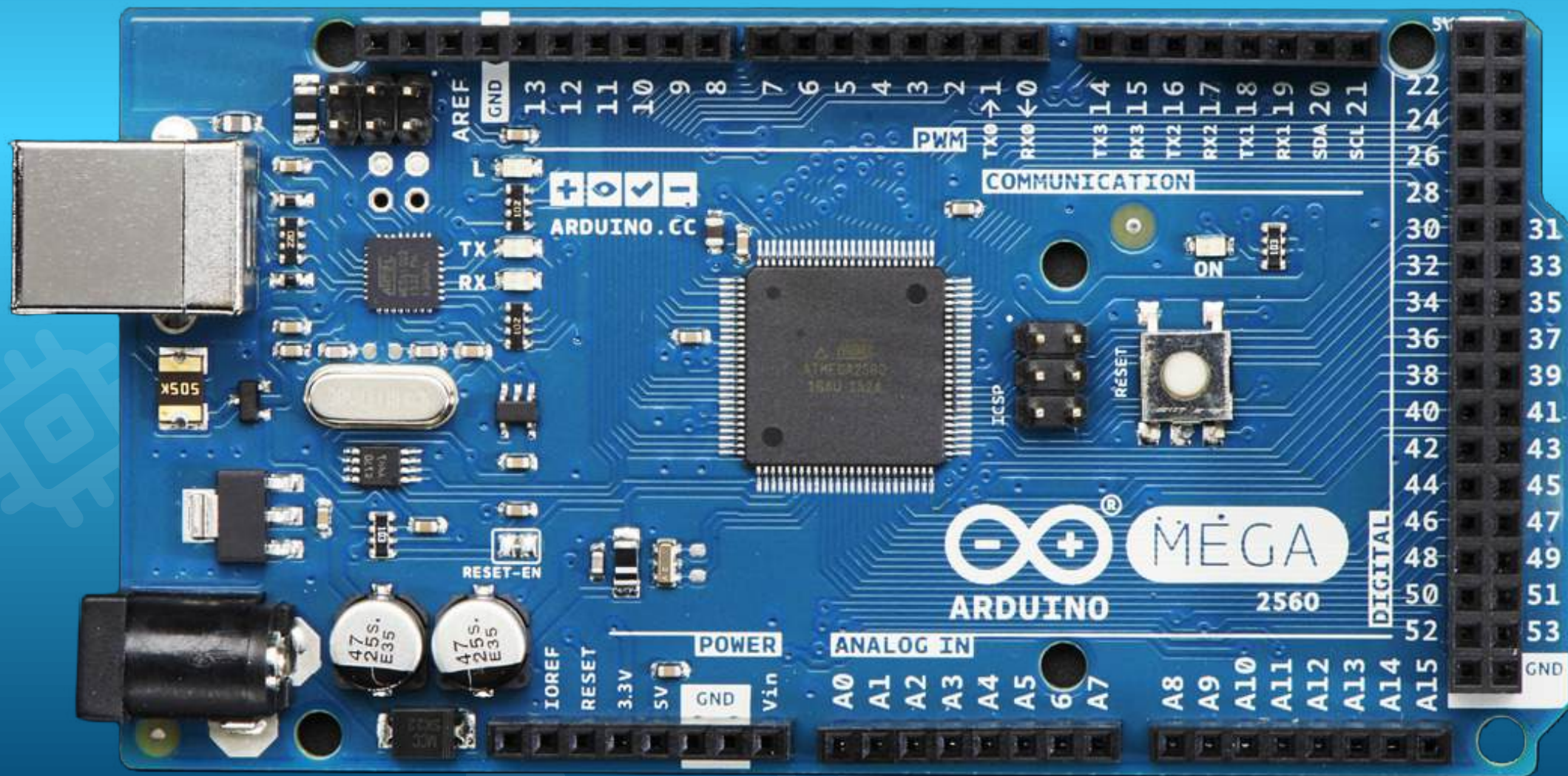


TECHNOLOGY

The 5G technology employs beamforming antenna arrays that create multiple Radio Frequency (RF) beams that are focused and steered towards surrounding mobile devices. Such steering allows all the energy that contains communication data to be focused to a receiver element. A 4G antenna element, on the other hand, radiates in all directions and communicates to all devices simultaneously. By shaping and redirecting the RF millimeter wave bundle, 5G requires lower radiation powers and achieves higher bandwidths that can dynamically be directed to specific subscribers. Another 5G advantage is that the information is not shared with all neighboring devices, making the communication more secure.

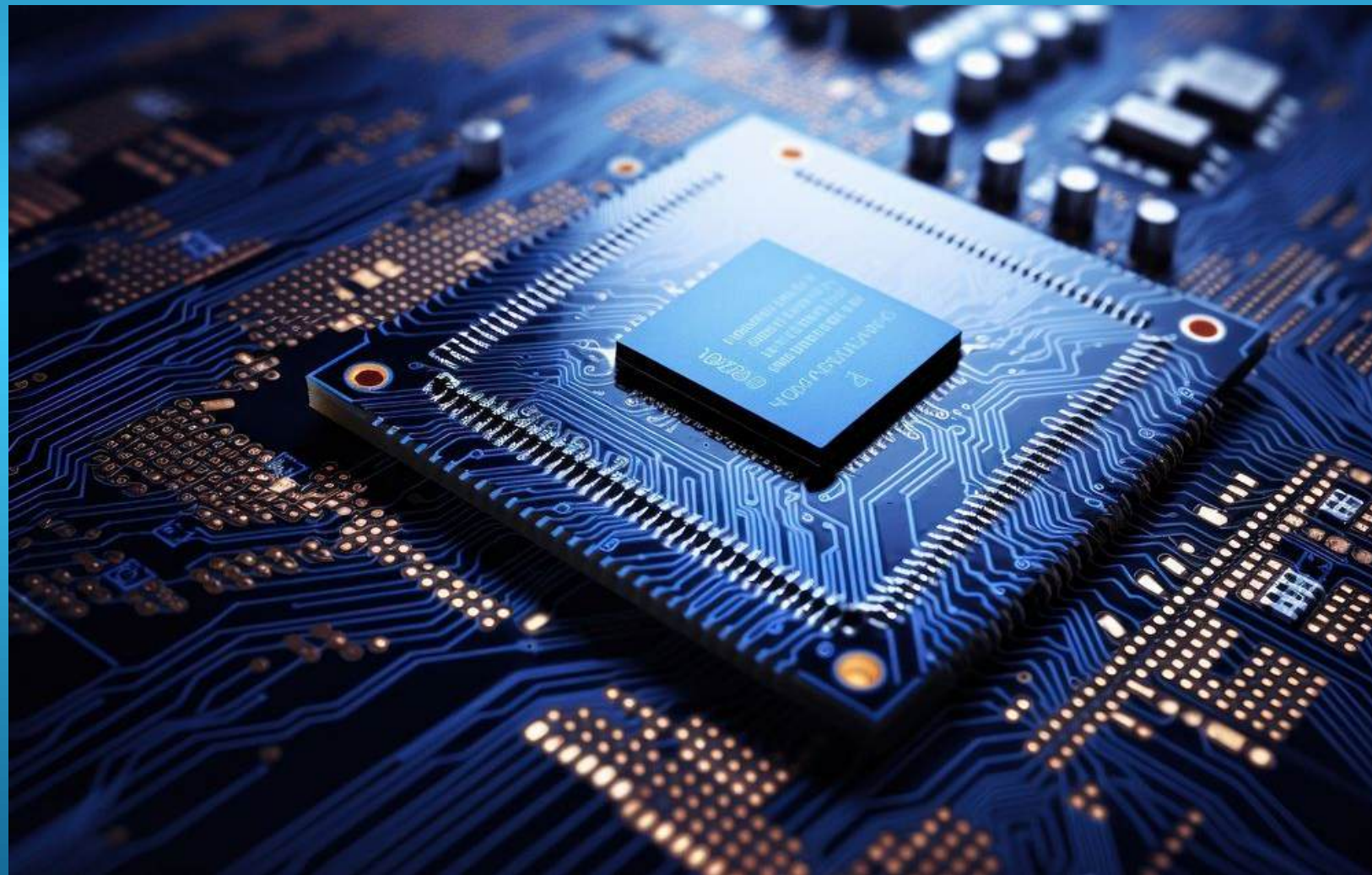
However, 5G deployment comes with challenges such as the high cost of infrastructure, the need for dense network coverage especially for mmWave, compatibility issues with older devices, and concerns over spectrum allocation, security, and overall energy consumption. Despite these challenges, 5G is expected to transform industries and daily life by enabling ultra-reliable, high-speed communication and supporting innovations like connected factories, remote surgeries, real-time gaming, and next-generation transportation systems.

ARDUINO



Arduino is an open-source electronics platform based on easy-to-use hardware and software, designed to make building digital devices and interactive projects simple for beginners and professionals alike. At its core, an Arduino board is a small microcontroller that can read inputs—such as light from a sensor, a finger on a button, or a message from another device—and turn them into outputs like turning on an LED, moving a motor, or sending data to a display. The board is programmed using the Arduino IDE, which uses a simplified version of C/C++ language, making coding approachable even for those new to programming. Because Arduino is open-source, there is a vast community that shares libraries, tutorials, and project ideas, making it easier to learn and experiment. Its affordability, versatility, and simplicity have made it one of the most popular platforms for robotics, automation, IoT projects, and DIY electronics worldwide.

SEMICONDUCTOR



A semiconductor is a type of material whose electrical conductivity lies between that of a conductor (like copper) and an insulator (like glass). The most commonly used semiconductor material is silicon, though germanium and compound semiconductors like gallium arsenide are also used. The unique property of semiconductors is that their conductivity can be controlled by adding very small amounts of impurities, a process called doping, which creates two types of semiconductors: n-type (extra electrons as charge carriers) and p-type (holes as charge carriers). When p-type and n-type materials are joined together, they form a p-n junction, which is the building block of most semiconductor devices like diodes, transistors, and integrated circuits. Semiconductors are the foundation of all modern electronics, as they allow switching, amplification, and signal processing in a compact and efficient way. Their conductivity also changes with temperature and light exposure, making them useful in sensors and solar cells. Because of these properties, semiconductors are crucial for computers, smartphones, communication systems, and almost every electronic device we use today.

VLSI WITH MACHINE LEARNING

VLSI (Very Large Scale Integration) refers to the process of creating integrated circuits (ICs) by combining thousands to millions of transistors on a single chip. VLSI technology is at the heart of modern electronics, from microprocessors and memory chips to communication devices. Traditionally, VLSI design involves complex steps like logic synthesis, placement and routing, timing analysis, and verification, which are computationally intensive and time-consuming. Machine Learning (ML) is now increasingly being applied to VLSI design to improve efficiency, optimize performance, and reduce human effort. For example, ML algorithms can predict optimal placement of components, detect design errors early, and optimize power, area, and timing in chip design. Reinforcement learning and deep learning models are particularly useful for tasks like placement and routing, where conventional algorithms struggle with the huge search space. ML can also be used for hardware fault detection, yield



RASPBERRY PI

Raspberry Pi is a small, affordable, single-board computer developed by the Raspberry Pi Foundation in the UK. It was designed to promote computer science education and digital creativity but has grown popular among hobbyists, engineers, and developers for building electronics projects. Despite its tiny size, a Raspberry Pi can perform many tasks of a standard computer, including running a full operating system (usually a Linux-based OS like Raspberry Pi OS), browsing the internet, playing media, programming, and controlling hardware devices.



The board features a CPU, GPU, RAM, USB ports, HDMI output, GPIO (General Purpose Input/Output) pins, and sometimes Wi-Fi and Bluetooth modules, depending on the model. The GPIO pins make it particularly powerful for electronics projects, allowing users to connect sensors, LEDs, motors, and other hardware components. Raspberry Pi is widely used in IoT projects, robotics, home automation, AI/ML experiments, media centers, and even educational kits for coding and electronics learning. Its low cost, versatility, and huge community support make it one of the most popular platforms for makers and students.

PIERRE-SIMON LAPLACE

INTRODUCTION:

Pierre-Simon Laplace (1749–1827), later known as the Marquis de Laplace, was a remarkable French mathematician, astronomer, and physicist. His contributions spanned various fields, including engineering, mathematics, statistics, physics, astronomy, and philosophy. Let's delve into some fascinating facts about this extraordinary scientist.

FACTS:

CELESTIAL MECHANICS AND MÉCANIQUE

CÉLESTE:

Laplace's magnum opus was his five-volume work titled *Mécanique céleste* (Celestial Mechanics), published between 1799 and 1825. In this monumental work, he summarized and extended the study of classical mechanics using calculus, revolutionizing the field of celestial mechanics.

His research helped establish the stability of the solar system, and he made significant contributions to mathematical astronomy.



BAYESIAN PROBABILITY:

Laplace played a pivotal role in developing the Bayesian interpretation of probability. His work laid the foundation for statistical inference and probability theory.

The Bayesian approach considers prior knowledge and updates it based on new evidence—a powerful framework still widely used today.

Laplace's Equation and Transform

He formulated Laplace's equation, a fundamental partial differential equation used in various scientific disciplines. Laplace pioneered the Laplace transform, a mathematical tool that appears in mathematical physics. It allows us to solve differential equations more effectively.

NEBULAR HYPOTHESIS AND BLACK HOLES:

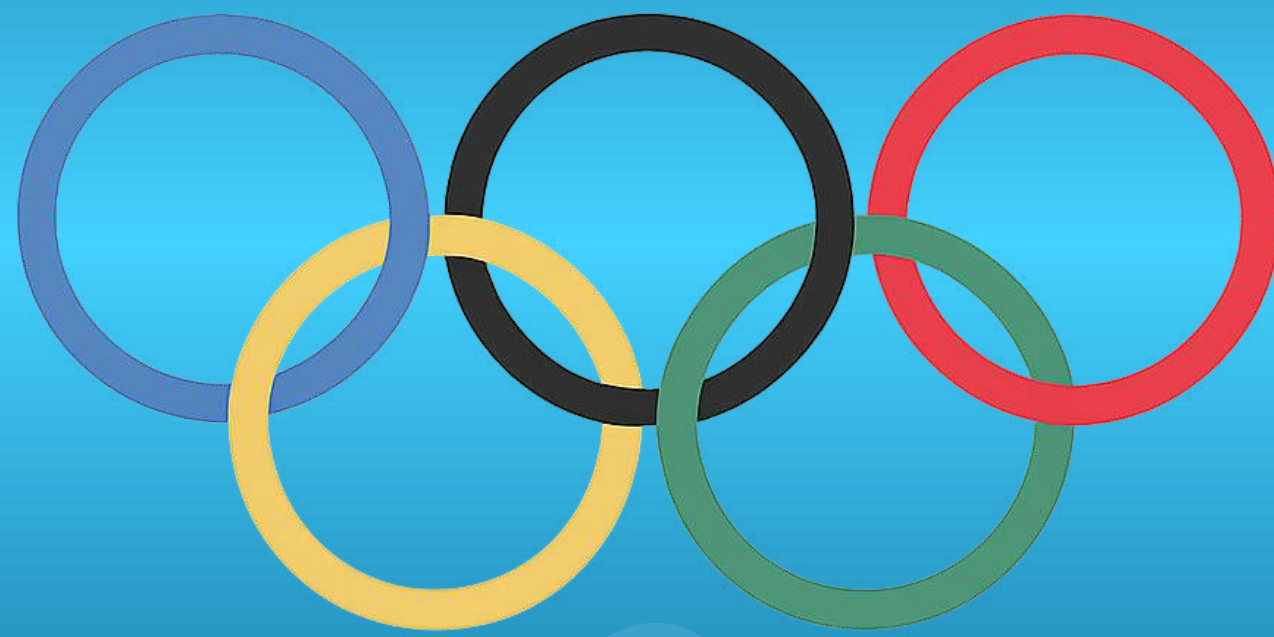
Laplace restated and developed the nebular hypothesis, proposing that the Solar System formed from a rotating cloud of gas and dust. Remarkably, he also hinted at an idea similar to that of a black hole, long before the concept gained prominence. Stephen Hawking even acknowledged that "Laplace essentially predicted the existence of black holes."

MATHEMATICAL GENIUS AND INFLUENCE:

Often referred to as the French Newton or the Newton of France, Laplace possessed an exceptional natural mathematical talent. He examined a young Napoleon Bonaparte when the latter graduated from the École Militaire in Paris in 1785. Laplace received titles such as Count of the Empire (1806) and Marquis (1817) during the Bourbon Restoration.



Olympic Games



Only for those of a special breed,
Living a dream, a chance to succeed,
Yesterday's hopes and desires coming true,
Making your mark with records anew
Proving hard work and the daily grind,
Instructing the body, conditioning the mind
Can capture a medal for the whole world to see, with
Glamour and Pride for your country,
As you stand aloft and you flag is flown high, there's
Memories forever, and a tear in your eye,
Enjoying the moment, the admiring looks,
Securing you name in the history books.

By;
Asmitha.A
IV Year ECE

COLLEGE LIFE

Stepping into a new life where
One faces oneself

Some consider everything a race
and chase after them all,
While others find it difficult
to even tie their shoe lace.

Many here care for you,
but you care for a select few

Lots of leisure, lots of pressure
In the midst of which, some search for treasure.

The greatest invention being the headset
without which no one's heads are fit
More sleep, less work, but still
feeling tired every other minute.

Sudden decisions rare output
even don't care for taking next
More dance, more wishes,
Many an exam and test.
Suddenly, when you look back
The poster says 'The End',
The 35040 hours of these four years
Are just like the three hours of a movie

Passing by in the snap of your fingers
Leaving behind many a memory that lingers.

By;
Arthi.J
IV Year ECE

THE FAKE PEOPLE

People may pretend to care
And volunteer to work
But after work they turn on the cold stare
In their hearts hate is what lurks
I hate that kind...
So fake and selfish
Me and them think different in our mind
Good people are the ones who are selfless
I am no exception
I can be selfish at times
I cast a self-deception
My personality can be like wind chimes
It changes momentarily
And i catch it in the act
I cure my myself singularity
And change it back
In a world of fakes
Where people take for granted every meal
Where people expect bithday cakes
Dare to be real



By;

Apsara Karolin.K

IV Year ECE

LIFE

Life is a mysery,
which unflods itself slowly
with time
the coming unknown days opens up
slowly like the petals of
a rose.

a rose is as if the life,
which is, consists
of both soft
and the thory touch;
you have to accept both in
a favourable time
maybe sometimes,
you do not expect
something good to happen
but it suddenly happens,
you name it
a miracle.

By;
Meena.M
III Year ECE

Me

I am a spark, a fleeting flame,
A story still without a name.
A mix of laughter, hopes, and fears,
A journey made of days and years.

I am the questions yet untold,
The dreams that whisper, brave and bold.
A gentle heart, a restless mind,
Seeking meaning, truth to find.

I am not perfect, that is clear,
But growth is something I hold dear.
Each step I take, each choice I see,
Becomes another part of me.

By;
M.K.Karthika
III Year ECE

Whispers of Nature

The morning sun begins to rise,
Painting gold across the skies.

The breeze hums soft through dancing trees,
A secret carried by the seas.

The flowers bloom in colors bright,
A silent song of pure delight.

Mountains stand both tall and free,
Guardians of eternity.

The rivers weave their silver thread,
Where thirsty earth and sky are wed.

In every leaf, in every stone,
Nature speaks in a voice its own

By;
M.K.Karthika
III Year ECE

நினைவின் நிழலில் வாழ்கிறேன்

மூன்று வருடங்கள் கரைந்துவிட்டன,
ஆனால் உன்னை இழந்த அந்தக் நாட்கள் மட்டும்
என் நெஞ்சில் இன்னும் இருக்கிறது...

பிறர் கண்களில் சிரிப்பை கண்டாலும்,
அந்த சிரிப்பு எனக்கு வலியாக மாறுகிறது;
ஏனெனில், ஒருகாலத்தில் அது உன் முகமே
இருந்தது.

காலம் கடந்து செல்லும் ஒவ்வொரு நொடிக்கும்,
உன் பெயரே என் உள்ளத்தில் குரலாக
தோன்றுகிறது.

மறக்க முயன்றால் நினைவு அதிகரிக்கிறது,
மறந்துவிட்டேன் என நினைத்தால் கண்ணீர்
விழுகிறது.

உன் பிரிவு ஒரு காயமல்ல,
அது உயிரோடு எரியும் தீக்குழம்பு.
நேரம் அதை அணைக்கவில்லை,
மாறாக அது இன்னும் ஆழமாக எரிகிறது.

என் வாழ்க்கை வழிகள் அனைத்தும்
திறந்திருக்கின்றன,
ஆனால் என் நடை மட்டும் உன் நிழலைத் தேடி
திணறுகிறது...

By;
Madasamy.P
IV Year ECE

என் இனிய நண்பியே!

புயலுக்கு பின்னே வரும் தென்றல் போல வந்தாயே நீ
என் வாழ்க்கையிலே, அரசனின் சிம்மாசனத்தை விட
பெரிய இடமான உன் மனதில் எனக்கு இடம் தந்தாயே
நாட்டை ஆளுபவனை விட உயர்ந்தேனே! காணா
கடவுளை நம்பிக் கொண்டிருத்த - என்னை காணும்
கடவுளை காண்பித்தாயே - உன்னால் உன் அன்பினால்,
என் வாழ்க்கையில் மலர்ந்த வாடா மல்லி நீ
உன் அன்பினால் செதுக்கிய சிற்பி நீ
என் உலகத்தில் உதித்த சூரியன் நீ
என் இறவில் தோன்றும் மதி நீ
கடல் கரையில் வரும் அலையை போன்ற
என் மனதை; கடல் நடுவில் இருக்கும் நீரை போல
சமாதானம் செய்தாய்
உன்னோடு பேசும் மணிதுளிகள்,
மின்னலை விட வேகமாக செல்கிறது.
நீ என்னிடத்தில் இருக்கும் வரை, என்னுடைய
கவலைகள், பெர்முடா தீவுக்குள் செல்லும்
கப்பல்களை போல் மறைகின்றன,
நீ என்றும் என் நெஞ்சில், கலந்திற்க்கும்
இரத்தமாய் இருப்பாய்,- உன்னை
என்னிடமிருந்து பிரிக்க இயலாது
என் இனிய நண்பியே!



இவண்;

ச. ஸ்ரீ ஈஸ்வர்
IV Year ECE

உழவு

திரைப்படம் பார்ப்பவர்கள் எல்லாம்
திரைப்படத்தில்
நடிக்க ஆசைப்படுவார்கள்..
ஆனால் சோறு சாப்பிடும்
நாமெல்லாம் உழவு
செய்ய ஆசைப்படுவதில்லை.

ஒருநாள் அரசனும் ஆண்டி ஆவான்,
அந்த

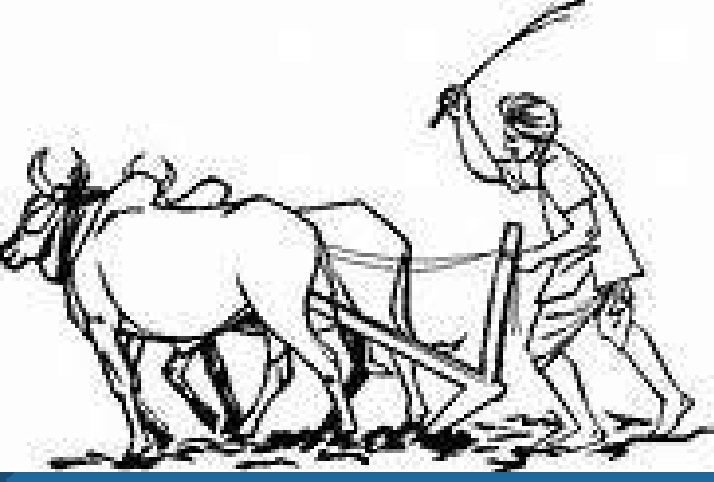
நாள் உழவனும் அரசன் ஆவான்..
வீழ்வது நாமாக இருந்தாலும்
வெல்வது உழவாக இருக்கட்டும்.!

வயலில்

வேலை செய்பவனை
கேவலமாகவும்.. கணினியில்
வேலை

செய்பவனை கௌரவமாகவும்
நினைப்பவர்களுக்கு
தெரியவில்லை..

“அரிசியை” வலைதளத்தில்
பதிவிறக்கம்
செய்ய முடியாது என்று.!



இவண்;
புஷ்பாராஜ்.ச
III Year ECE

அப்பா

கடவுளுக்கும் அப்பாவுக்கும்
சின்ன வேறுபாடு தான்
கடவுள் - நாம் காணாத தெய்வம்
அப்பா - நாம் தினம் காணும்
தெய்வம்
எத்தனை பேர் நான்
இருக்கிறேன்
என்றாலும்..
அப்பாவை போல
யாராலும் இருக்க
முடியாது..
உலகத்தில் எத்தனை
சொந்தங்கள்
இருந்தாலும்
என் கண்கள் தேடுவது
அப்பாவை
மட்டுமே..



By;
Esakki Pandain.V
III Year ECE

புது பிறவி

இழப்பின் வேதனையை
இல்லை பித்துப் பிடித்த
பைத்தியதில் உளறலை
சொல் பேதை குயிலே
என்றேன்
இதனை கேட்ட இக்குயில்
இம்மியும் மாறாத அதே
அலைவரிசையில் மீண்டும் ஒரு
முறை கூவியது
என் ஆணவம் தஹந்தது
எதனை நாள் கற்ற கல்வியும்
பெட்ரா அனுபவமும்
நொறுங்கியது
புதிதாய் பிறந்துவிட்டேன்
ஞாலத்தின் ஒளியை
கண்டுவிட்டேன்

இவள்;
பிரதீஷா
III Year ECE

வாழ்க்கை

நிரந்தரம் இல்லாத உலகில் உடக்கான
பாதையை நீயே உருவாங்கிக்கொள்!
வாய்ப்பை தேடி ஓடாமல் உனக்கான
வாய்ப்பை நீயே வருவாங்கிக் கொள்
அடுத்தவன் ஆயிரம் சொல்லட்டும்.
அதைப்பத்தியெல்லாம் நினைத்து
கவலைப்படாதே....

ஏனென்றால் உனக்குப் பசித்தால் நீ
மட்டும் தான் உலிண முடியும்.
தோவிலியை நினைத்து கலக்கம்.
கொள்ளாதே ! அதிலிருந்து பெற்ற.
அனுபவத்தை மட்டும் எடுத்தினுக் கொள்
..... ஏனெனில் புத்திசாலியை விட
அனுபவசாலிக்கே வலிமை அதிகம்.
உனக்கு கிடைச்ச தோல்வியை
கலோக நினைத்துக் கொள்ளுங்கள் !...
அதை கிலையாக (வெற்றி) மாற்றுவதும்,
அப்படியே கல்லாக (தோல்வி)
வைத்திருப்பலும் உரினிடமே உள்ளது..
உன்னை நீ நம்பு.
லகமே உன் வரமாகும்

இவன்:
ஜிபின்
III Year ECE

கண்

கண் என்னும் இரண்டெழுத்து ஓர் மனிதனின்
உயிரெழுத்து

அன்புக்கு பூக்களாகவும் உயிருக்கு தோழியாக
இருப்பவள் நீ

கடலுக்கு ஓசை உண்டு !

பெண்ணுக்கு மவுனம் உண்டு 1

உனக்கோ கண்ணீர்

அன்பின் வெளிச்சங்கை காட்டுகிறாய்..

நீமையின் தாக்கத்தை வெளிப்படுத்துகிறாய்!

மனதுக்கு அன்பு தேவை 1

மணிதனுக்கு நீ தேவை !

கக்தி போன்ற உன் கவசமும் !

யுத்தம் போன்ற இரட்டை புருவமும்

என்னை வதைக்கிறது.....

இவள்;
வி.ஜெனிஷா
IV Year ECE

தனிமை

இரவு பொழுதினில் தெரியும்
நிலவு போல தோன்றி என் மனதை
குமுற வைத்தாய்....
பின்பு ஏன் சூரியனாய் தோன்றி
நிலவை மறைய வைத்தாய்?

ஆயிரம் ஆசைகள் வைத்தாலும் தீராத
ஆசை ஒன்று ஆறாத ஆசையானது
உன்னால்!

இவன்:
ர.பாரத்
III Year ECE

வாழ்க்கை பயணம்

பரந்து விரிந்த இவ்வுலகில்
பறக்க நினைப்பது ஏராளம்
ஆசை வைத்த ஒன்றை அதை
அடைய நினைத்தது ஏமாற்றம்.

பாதை முடிந்த பின்பும்
பயணம் நல்வழியாக இருந்திட
அலைபோல அசைந்திடும் நாட்கள்
கரை சேர வழிகாட்டும் முயற்சிகள்.
விழித்திடும் நேரம் மனம் தளராதே
விழித்திடும் நேரம் மனம் தளராதே விழித்திடும்
நம்மனதில் கலங்காதே

பிரியமுடன்,
ர.பாரத்
III Year ECE

கல்வி

கல்வி எனும் கடலில் அறிவின் முத்துக்கள்
தேடி,

அறிவின் பாதையில் நாம்
பயணிக்கின்றோம்.

புத்தகங்கள் எனும் படகில் ஏறி,
ஞானத்தின் தீவுகளை நோக்கி
செல்கின்றோம்.

கற்றல் என்பது வாழ்வின் தொடக்கம்,
கல்வி என்பது வாழ்க்கையின் அடிப்படை.
அறிவின் வெளிச்சம் எங்களை வழிநடத்த,
கல்வி எனும் கொள்கை எங்கள்
கைவிடாது.

கல்வி இல்லாத மனிதன் குருடன் போல,
அறிவின் ஒளியில் நாம் புதிய உலகை
காண்போம்.

கல்வி எனும் பொக்கிஷம் நம் கைகளில்,
அதன் வழியில் நாம் உயர்ந்து நிற்போம்

இவள்;
தனுஷா சு
IV Year ECE

எது உண்மை?

கீழ்விழுந்த பனித்துளி உருகிவிழ ஆறாகி
விழிகளின் வாசற்திறந்து! இல்லை இல்லை.
வாசற்கதவையும் உடைத்துக் கொண்டது!
அனுமதி இல்லாமல் அவள் கன்னம் தொட்டுத்
தடவியது. உருண்டோடி மண்ணைக் கவ்வியது
ஏன் ??!

புன்னகை அணிந்த இதழ்கள் ! ஆனால் பொன்
நகை அணிந்த பொலிவு மறைந்ததேனோ!
இருந்தால் தானே மறைவதற்கு
நீர் கோர்த்த கண்கள்
புன்முறுவலுடன் அந்த இதழ்கள்
எது உண்மை!!!??

புரிந்து கொள்ள ஏங்குகிறது என் இதயம்
வினவலாம் என்றது ! அருகினேன் உருகிய
கண்கள் என் மேல் பதிந்தது! ஓசையில்லா
மொழிகளும் புரிந்தது! காரணம் தெரியாது
எனினும் என் இதயம் வருந்தியது

இவள்;
ஆனி ஜூலியட் பா.அ
II Year ECE

உயிர் ஓவியம்

உன் குரல் ஓசை கேட்கும்
பொழுது,
காற்றுக்கே மௌனம்
வரும்.

உன் கண்கள் பார்க்கும்
பொழுது,
நட்சத்திரம் கூட
பொறாமை
கொள்கின்றது.

உன் அருகில் நான்
இருக்கும் பொழுது,
காலமே நின்று விடுகிறது.

என் உயிர் வரைந்த
ஓவியம் நீ,
அந்த
ஓவியத்தின் உயிர் நான்

இவன்:
பென்னி ஜி
IV Year ECE

உலகம் அறியாத ரகசியம்

நட்சத்திரம் எண்ணினாலும்,
உன் முகம் தான் முதலில்
தெரிகிறது.

நிலவை பார்த்தாலும்,
உன் சிரிப்பு தான்
மின்னுகிறது.

என் உயிரின் அடிப்படை நீயே,
என் மூச்சே உன் பெயரைச்
சொல்லும்.

இந்தக் கவிதை,
உன் இதயத்துக்கே உரியது—
உலகம் அறியாத ரகசியம் போ

இவன்:
பென்னி ஜி
IV Year ECE

அவள்

அன்பில் உயர்ந்தவள்....

அதிகாரத்தில் ஆதிகமானவள் !
அவமானத்தில் அரவணைப்பவள்...

ஆசையில் ஒப்புக்கொள்பவள் !
தோல்வியில் தொல்குடுபவள்...
வெற்றியில் மாடிக்கொடுப்பவள் !

துன்பத்தில் துணைநிப்பவள்...

இன்பத்தில் இதயத்தை
கொடுப்பவள் !

எனக்காக பிறந்தவள்...

என்னால் பிறந்தவள்...

இனி எதனை அவள் வந்தாலும்...!

என்னவள் எனக்கானவள் என்

அம்மா !



பிரியமுடன்,
ர.பாரத்
III Year ECE

ஞானக் குயிலின் உபதேசம்

எல்லாம் மறந்து எல்லையற்ற
தனிமையில் ஆழ்ந்திருந்த போது
என் அமைதியை சிதைத்தது
ஒரு குயிலின் ஓசை
அமைதியை இழந்த
ஆத்திரத்தில் குயிலை நோக்கி
கேட்டேன்
அட அற்ப குயிலே என்
அமைதியை கொடுத்த அப்படி
என்ன உனக்கு ஆனந்தம்
உன் கூவலின் கருத்துதான் என்ன
காதல் கை கூடிவிட்ட பூரிப்பா
என்னை பார்த்து ஏகாதலமா
புரிதலின் ஆற்றாமையா
உங்கள் வாழிடங்களை
இழந்தஹ்டல் வந்த கோபமா
தனிமையின் சோகமா
இயற்கையின் ஓர் ஆராதனையை
ஏமாற்றத்தின் வலிய

By;
Jeevan Fenittus
IV Year ECE

இழப்பின் பிறவி

இழப்பின் வேதனையை
இல்லை பித்துப் பிடித்த
பைத்தியதில் உளறலை
சொல் பேதை குயிலே
என்றேன்
இதனை கேட்ட இக்குயில்
இம்மியும் மாறாத அதே
அலைவரிசையில் மீண்டும் ஒரு
முறை கூவியது
என் ஆணவம் தஹந்தது
எதனை நாள் கற்ற கல்வியும்
பெட்ரா அனுபவமும்
நொறுங்கியது
புதிதாய் பிறந்துவிட்டேன்
ஞாலத்தின் ஒளியை
கண்டுவிட்டேன்

இவள்;
பிரதீஷா
III Year ECE

“WORLD IS A MIRROR”

once there was a museum in which here was a room which was made of mirrors. Its wall, roof and even floor was made of mirrors. one day care taker of that museum, forgot to lock the back door of museum which lead directly to that mirror room. A dog was roaming near that museum and by mistake entered that room when dog was in middle of room and saw its own reflection and thought of it as that a whole pack of dogs were surrounding him from all sides. Seeing this, dog got scared and started to back at reflections. Dog could see all the reflections barking him, in same way and because of mirror's dog echo back after hitting at mirrors and got magnified.

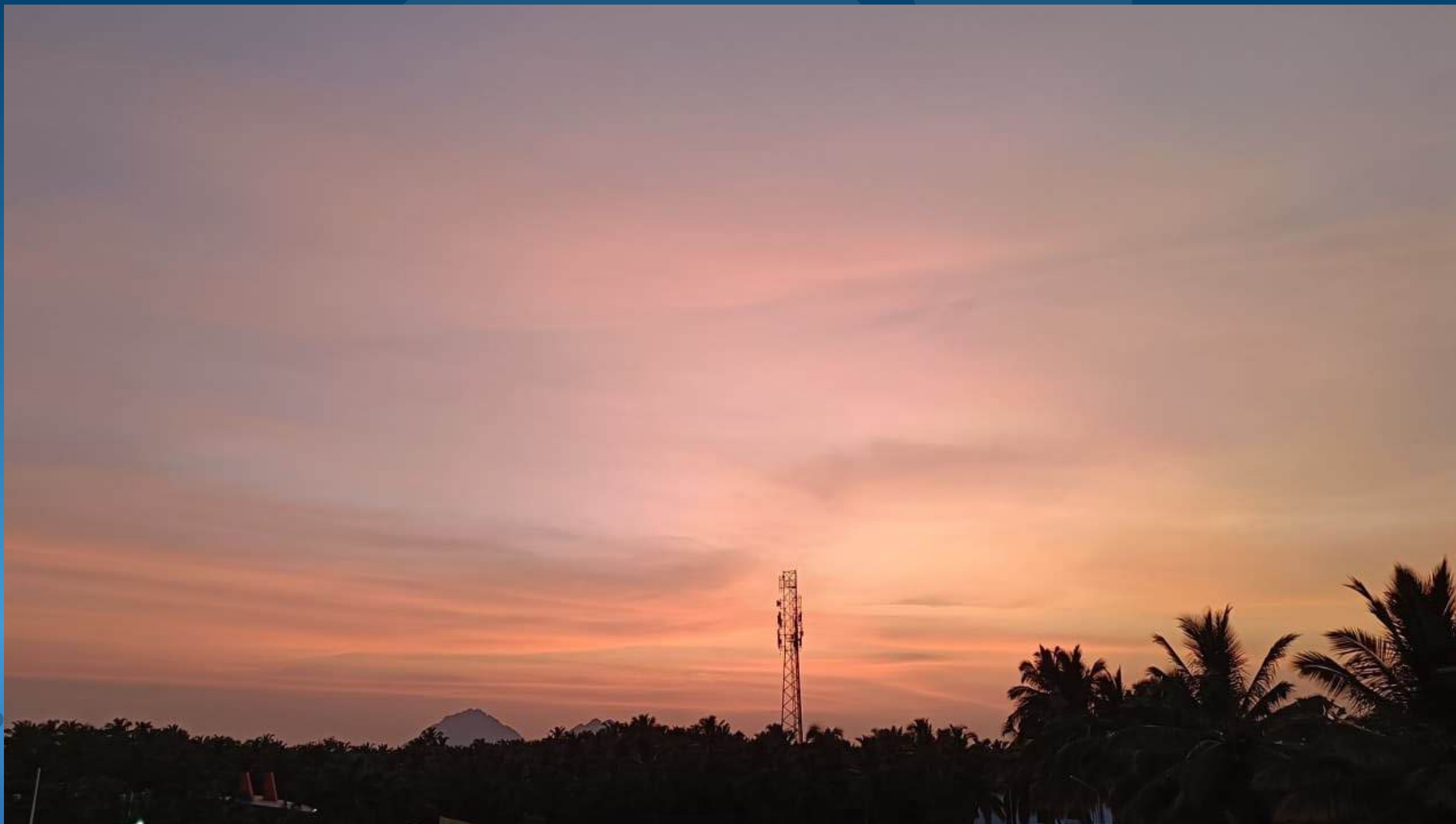
Frightened by it dog started to bank frantically. Next morning, when museum guard entered the hall, there he found lifeless body of dog. There was no one to harm that dog, but yet it died fighting its own reflection

Moral:

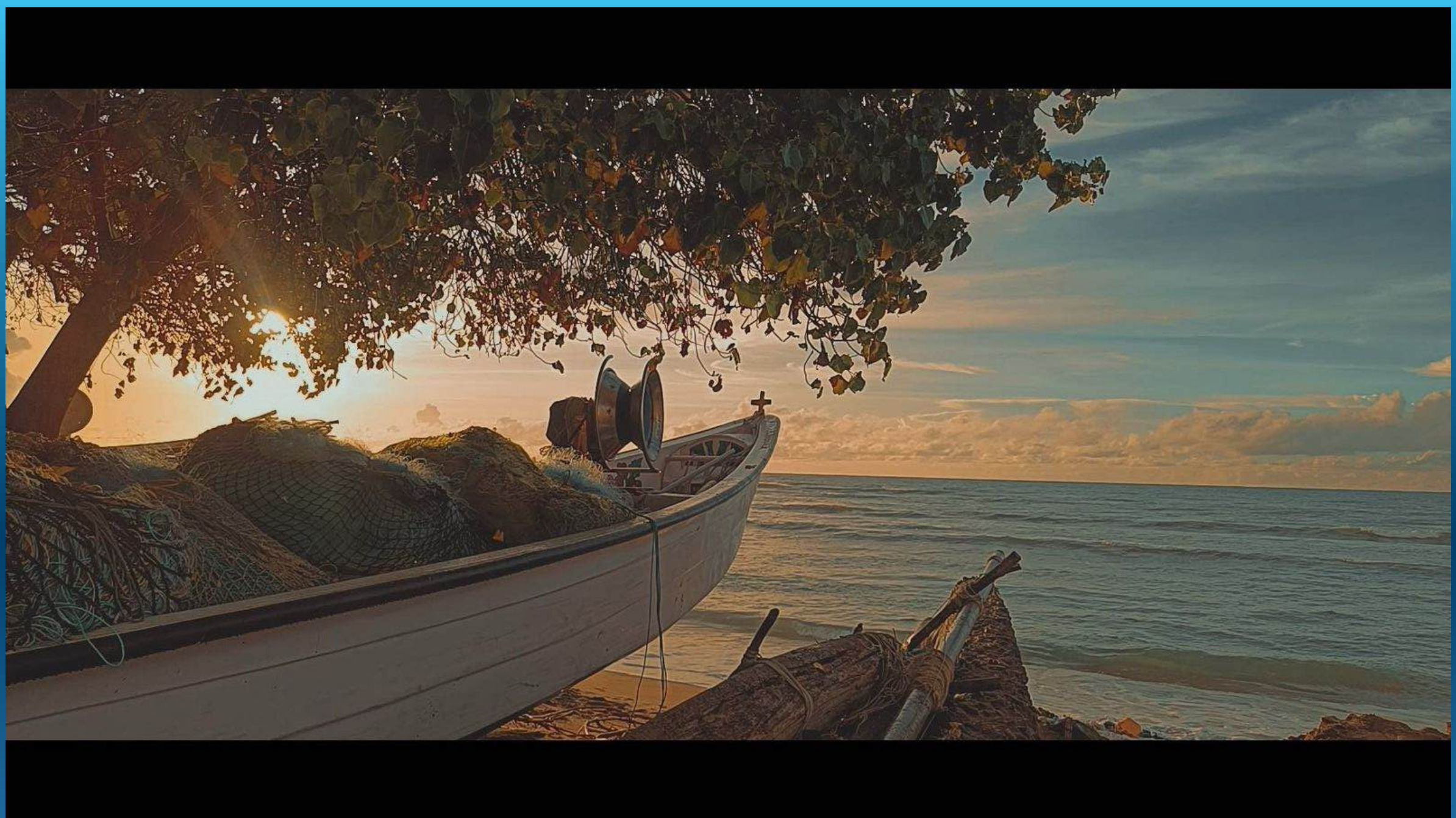
Everything around us is reflection of our own thoughts, feeling and actions. world acts like a big mirror so always try to be positive and good to others.

By;
Meena.M
III Year ECE

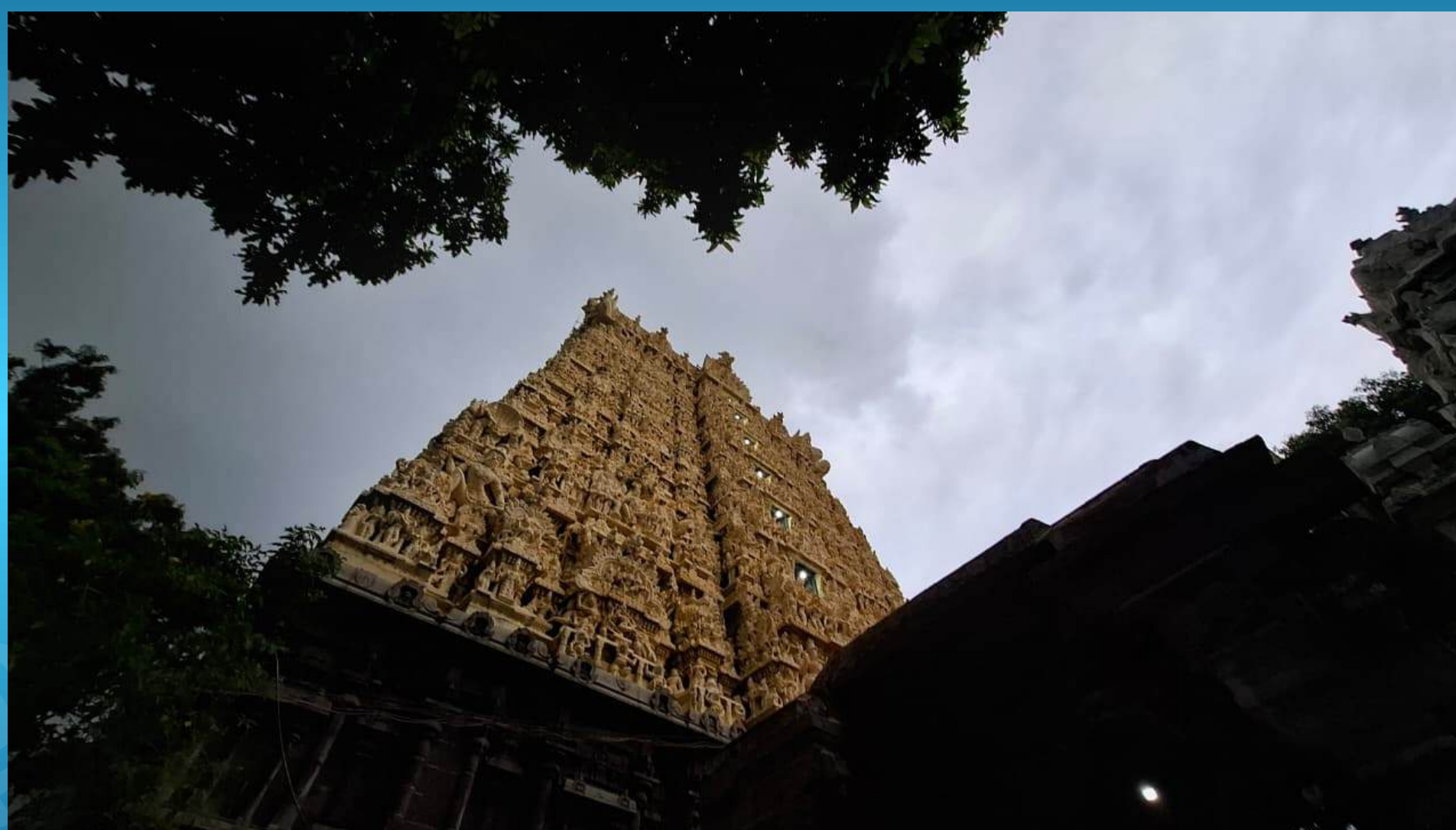
PHOTOGRAPY



BY;
Stanley Jones
IV Year ECE



BY;
Jeevan Fenitus
IV Year ECE

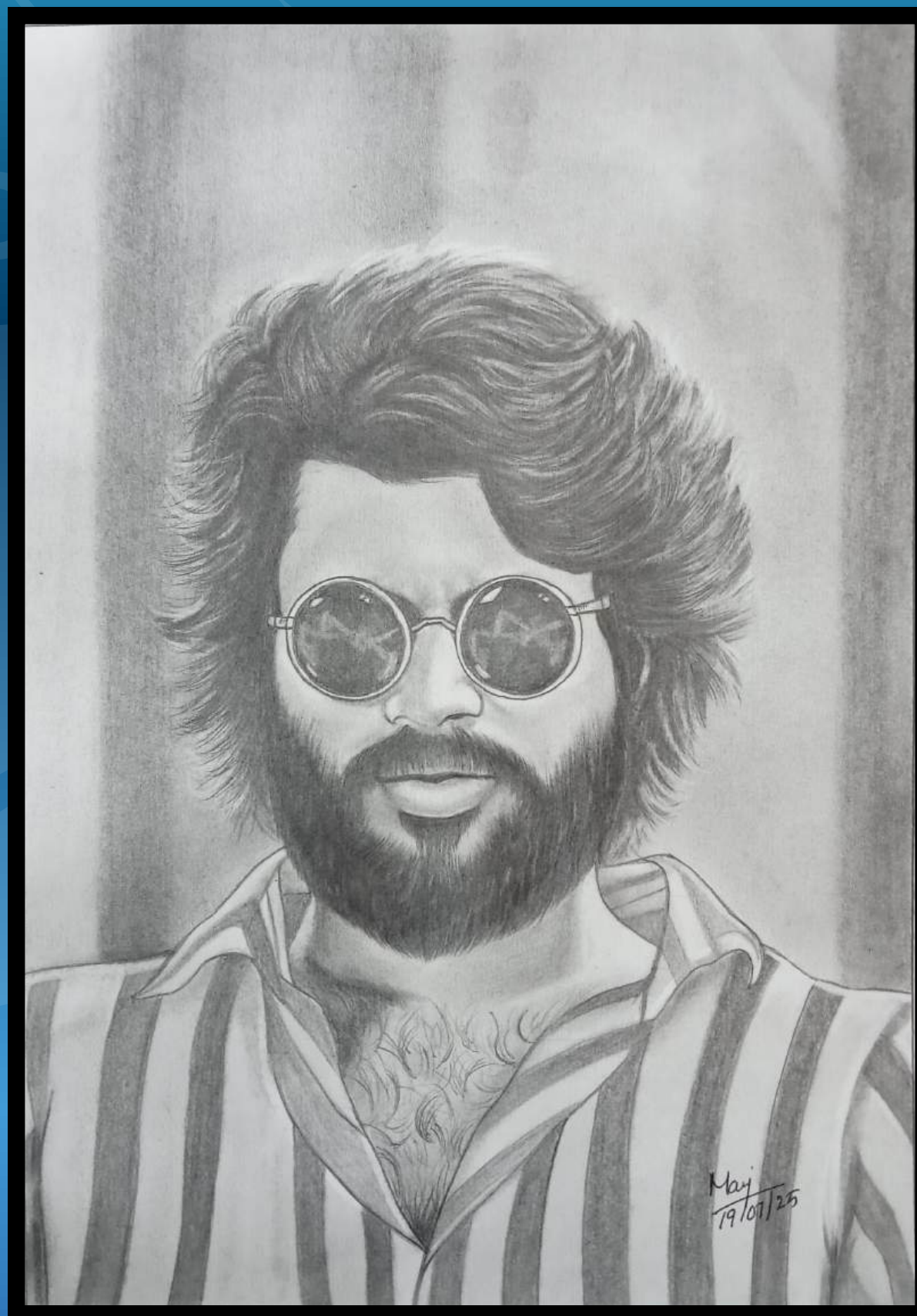


**BY;
Subash
IV Year ECE**

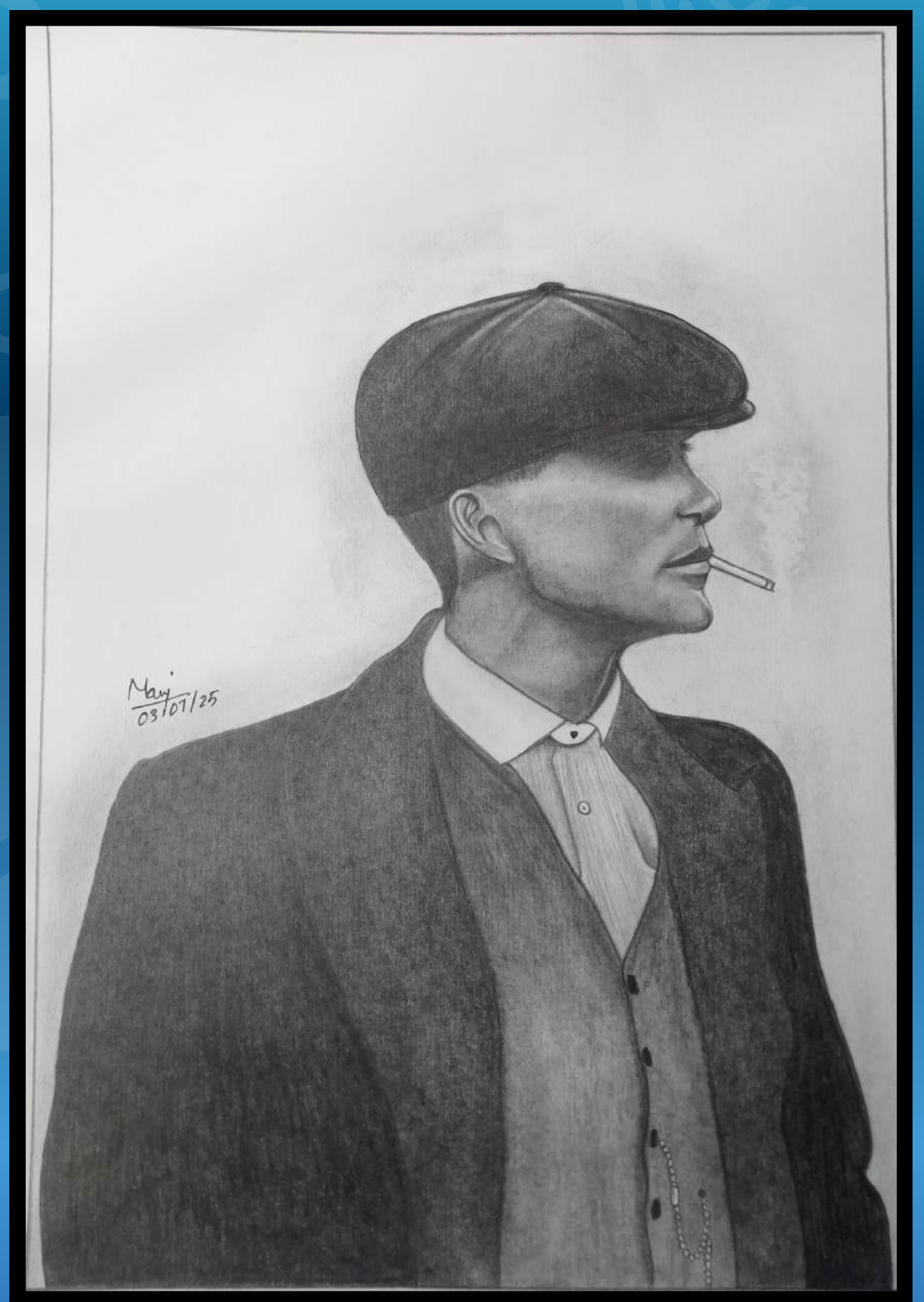


BY;
Mukesh M.G
IV Year ECE

VISUAL TREAT



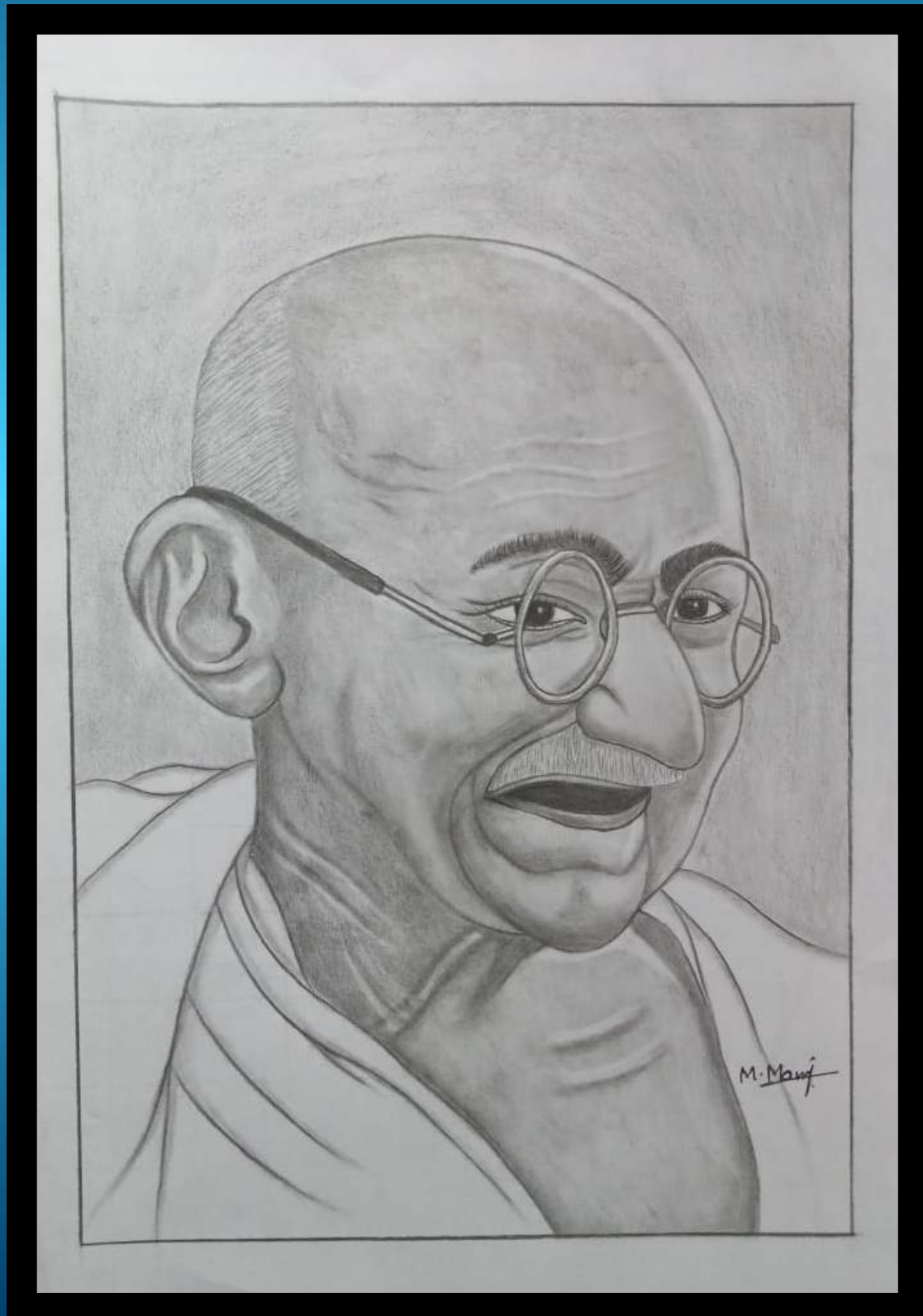
BY;
Manoj.M
IV Year ECE



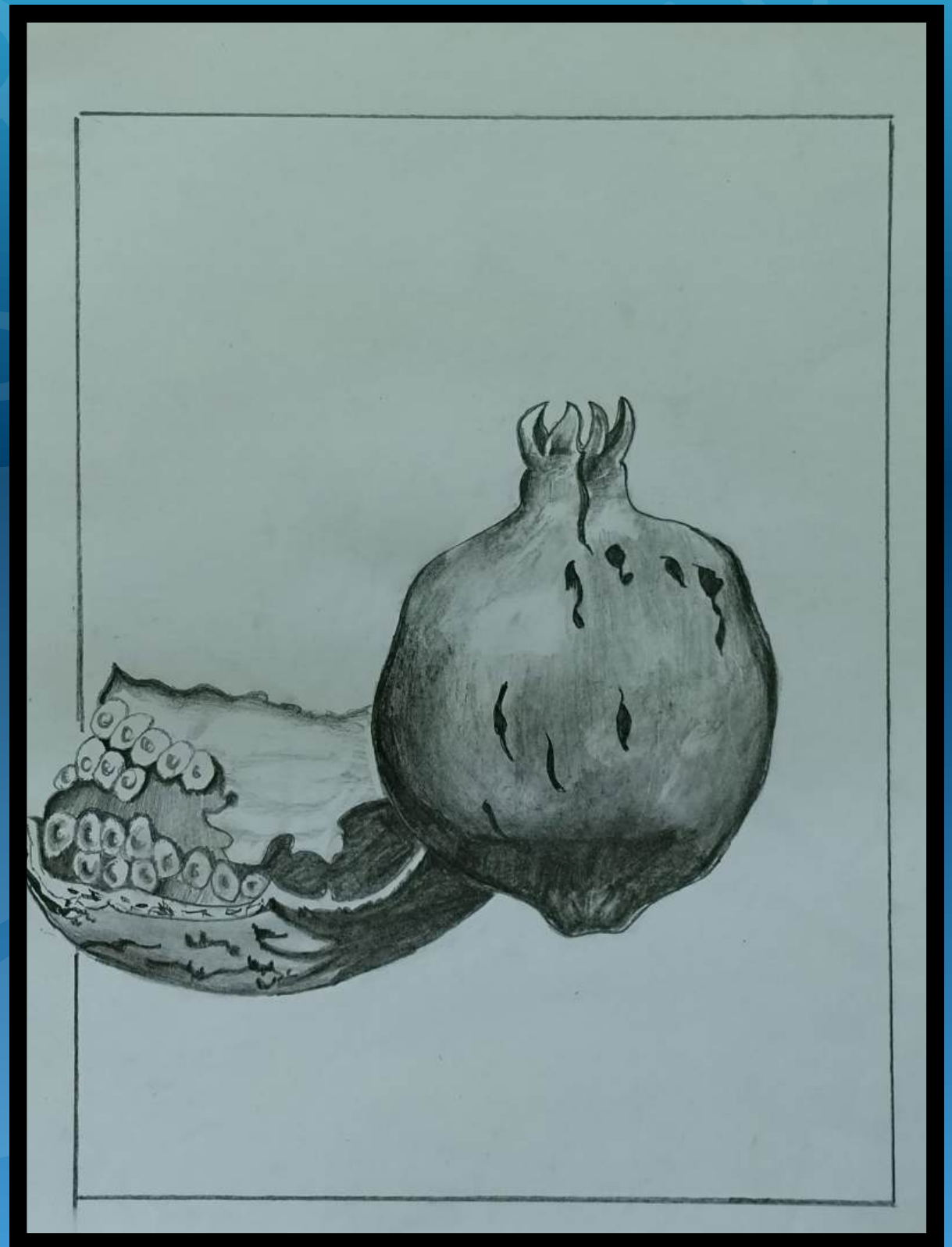
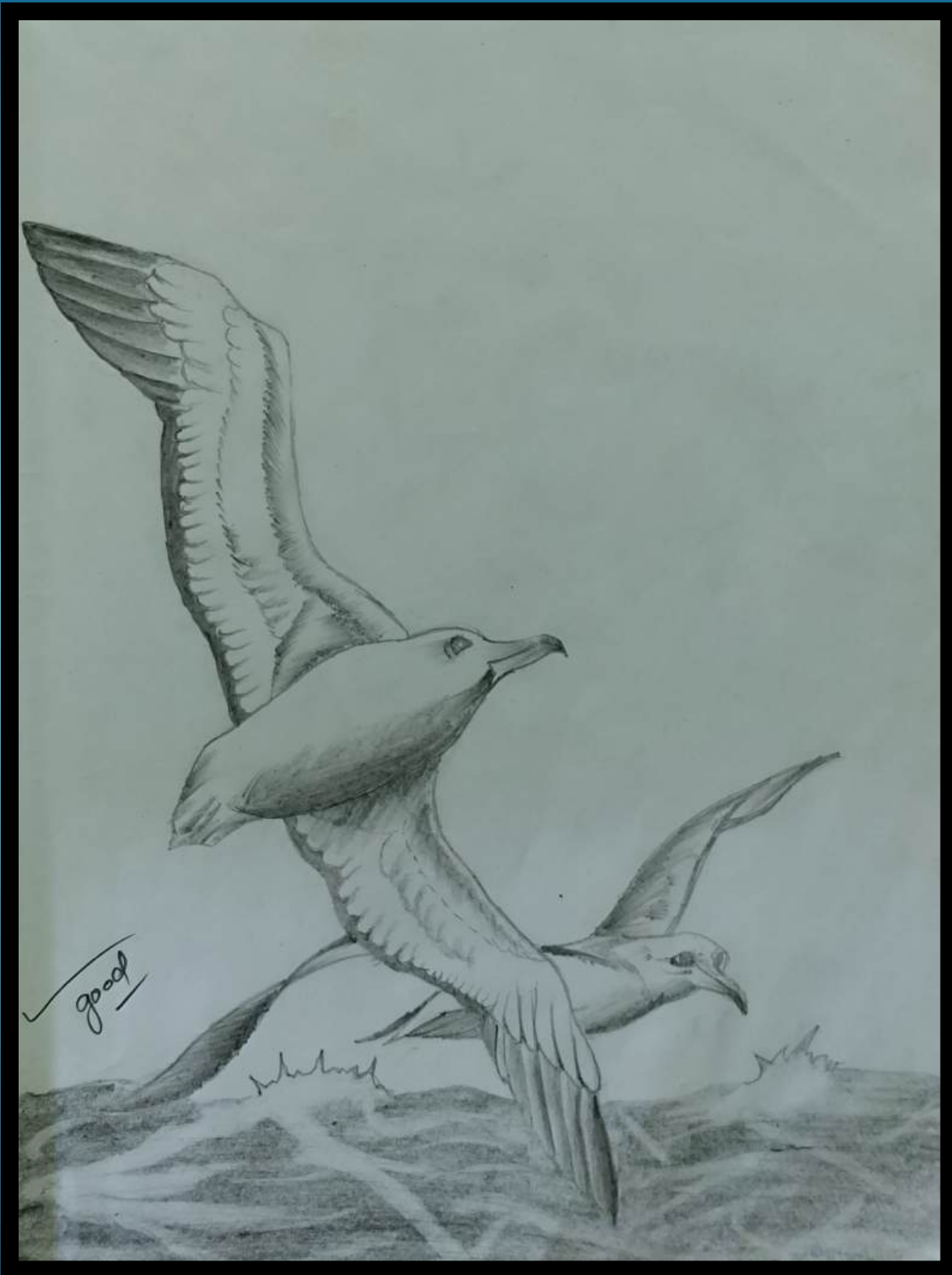
**BY;
Manoj.M
IV Year ECE**



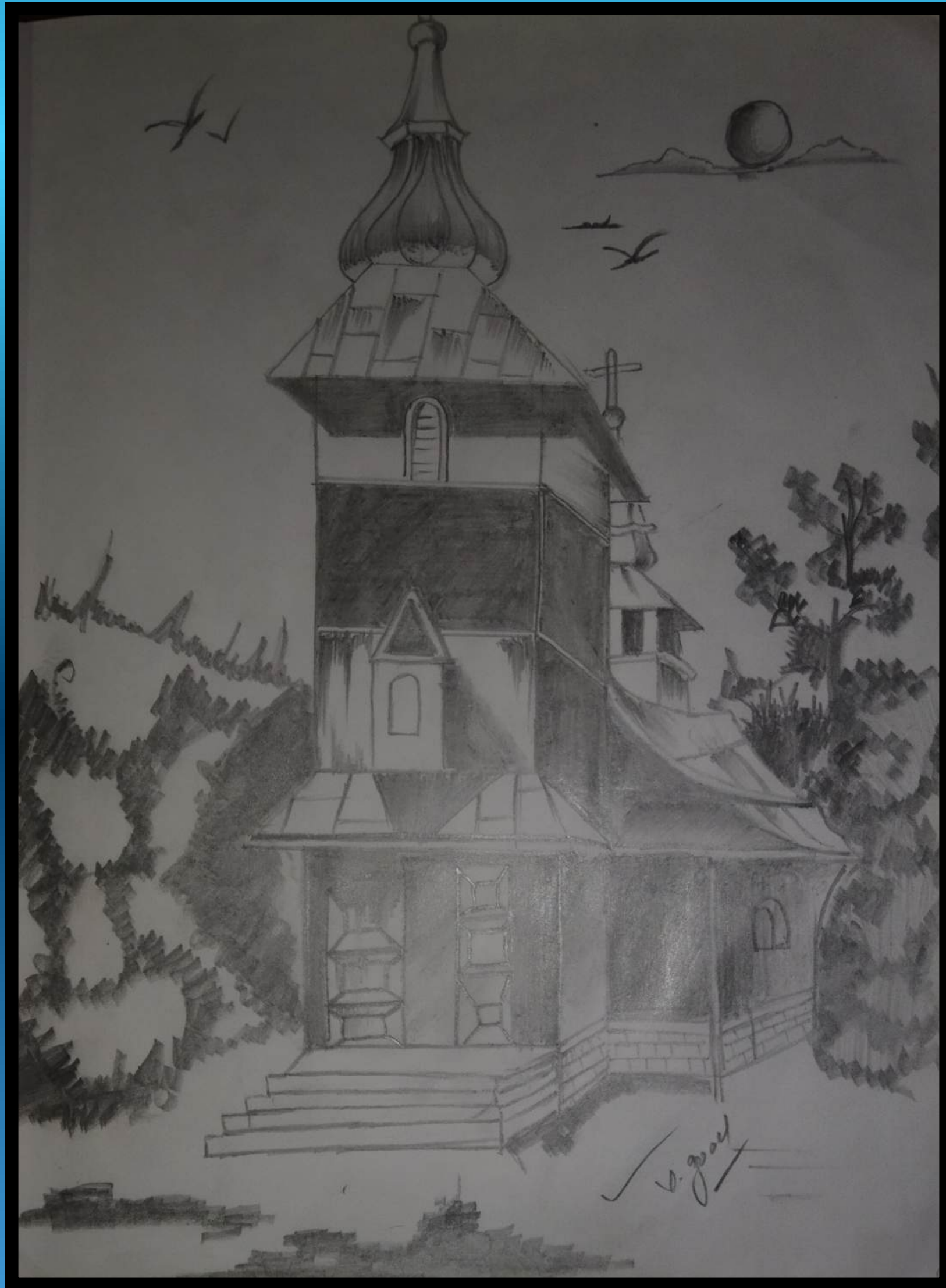
**BY;
Harini.M
IV Year ECE**



**BY;
Manoj.M
IV Year ECE**



**BY;
Tharshini.M
IV Year ECE**



BY;
Tharshini.M
IV Year ECE

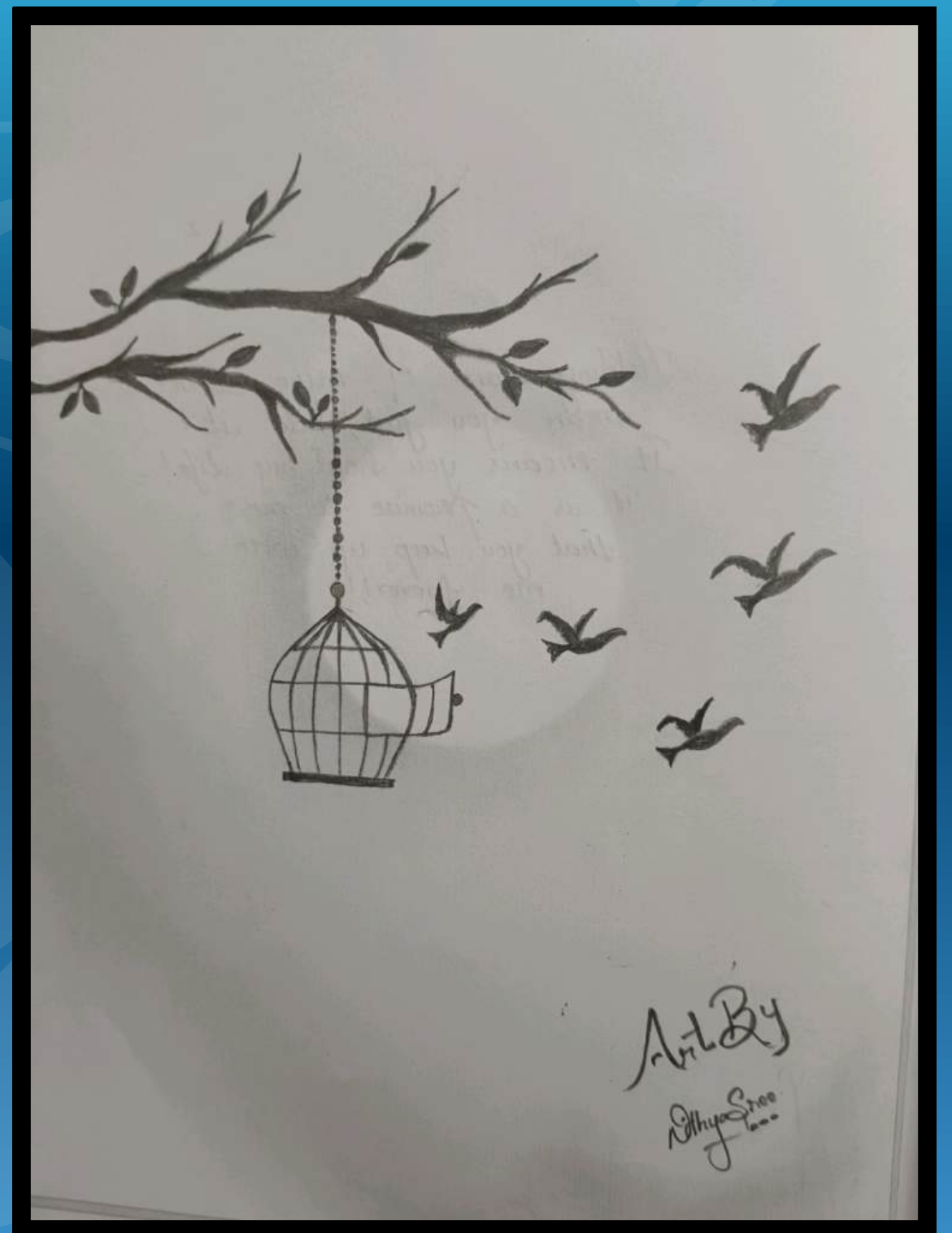
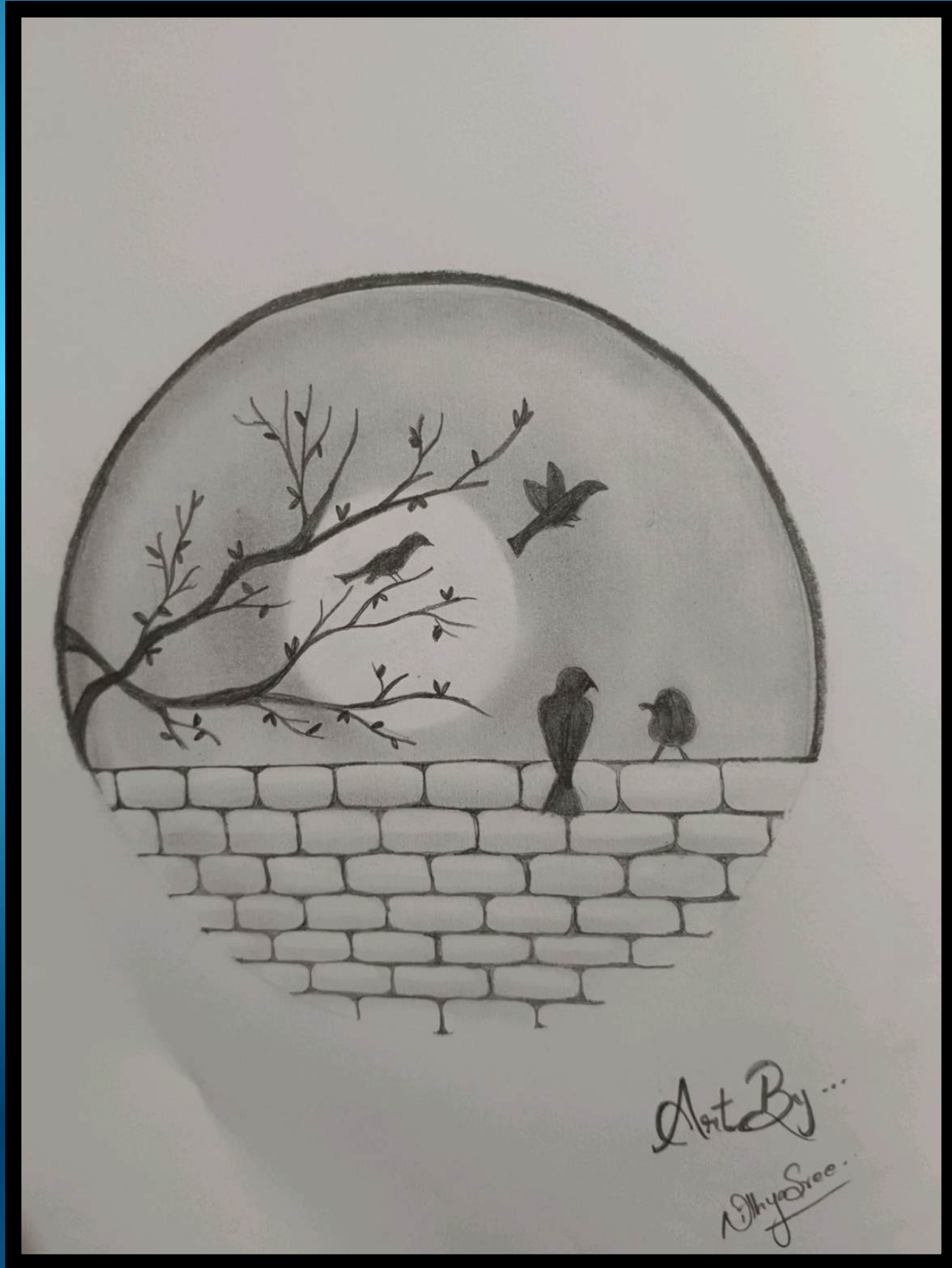


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Tharshini.M
IV Year ECE

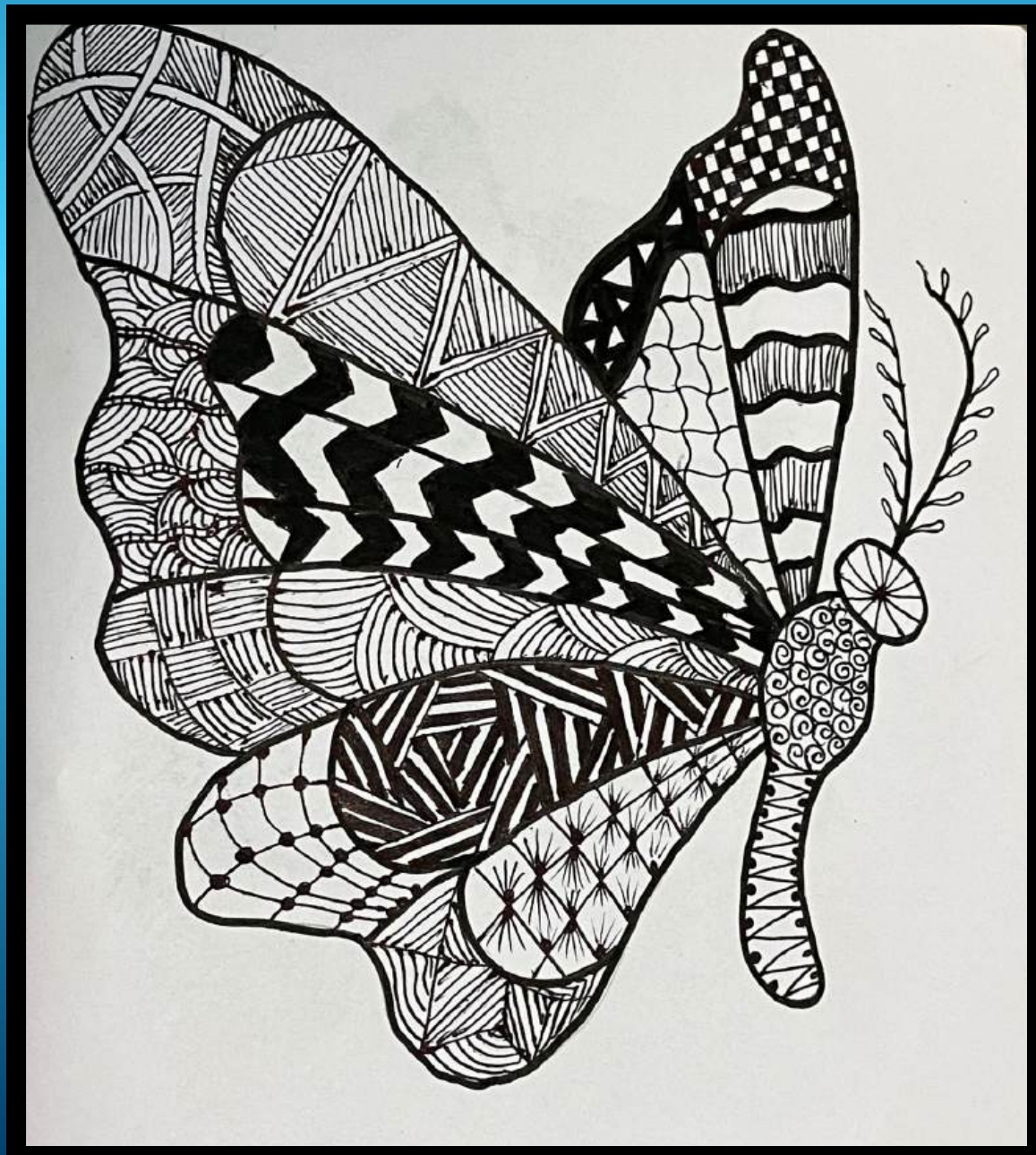


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Jefna.M
III Year ECE

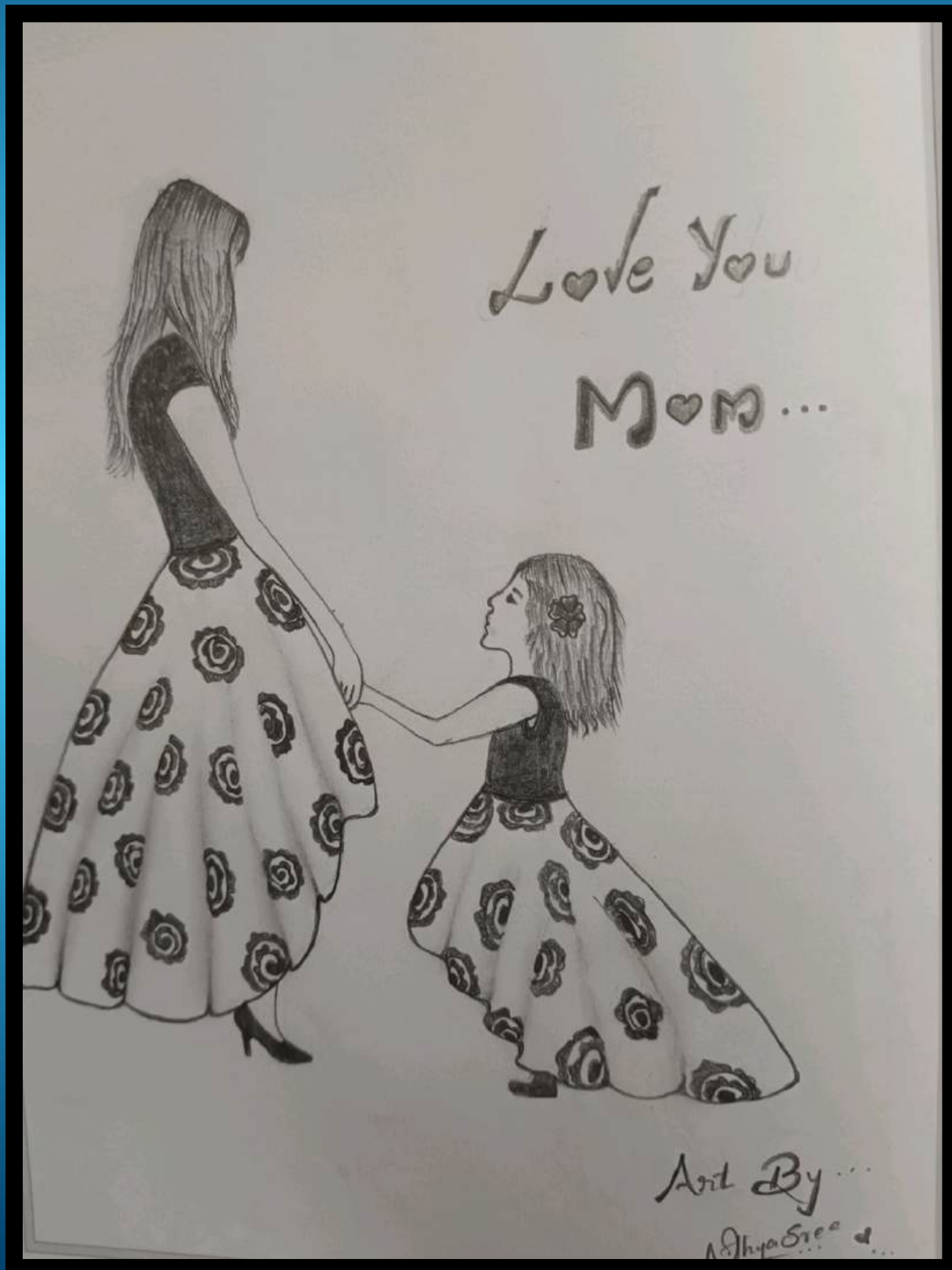
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Jefna.M
IV Year ECE



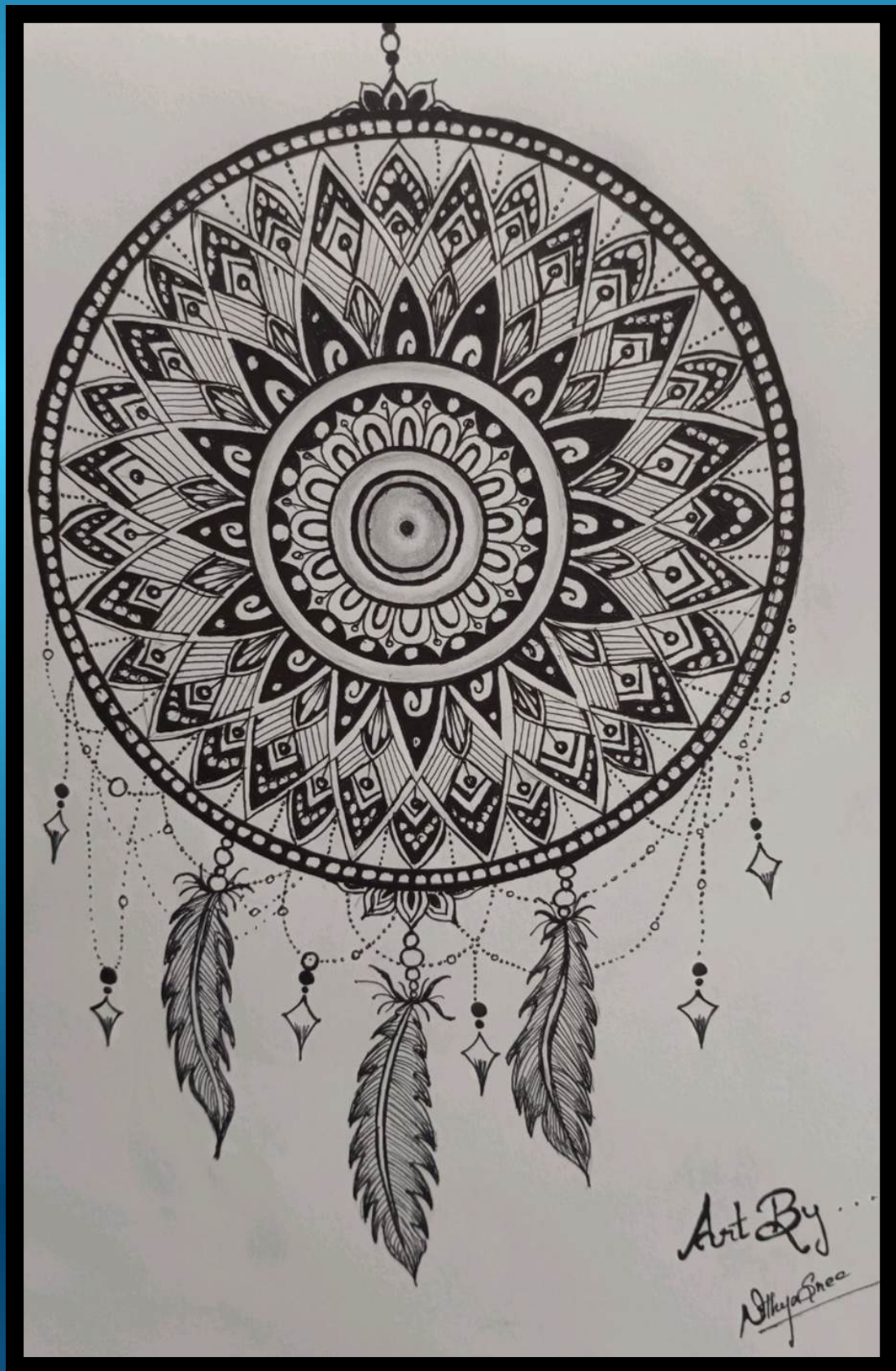
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P.Nithya Sree,
IV Year ECE



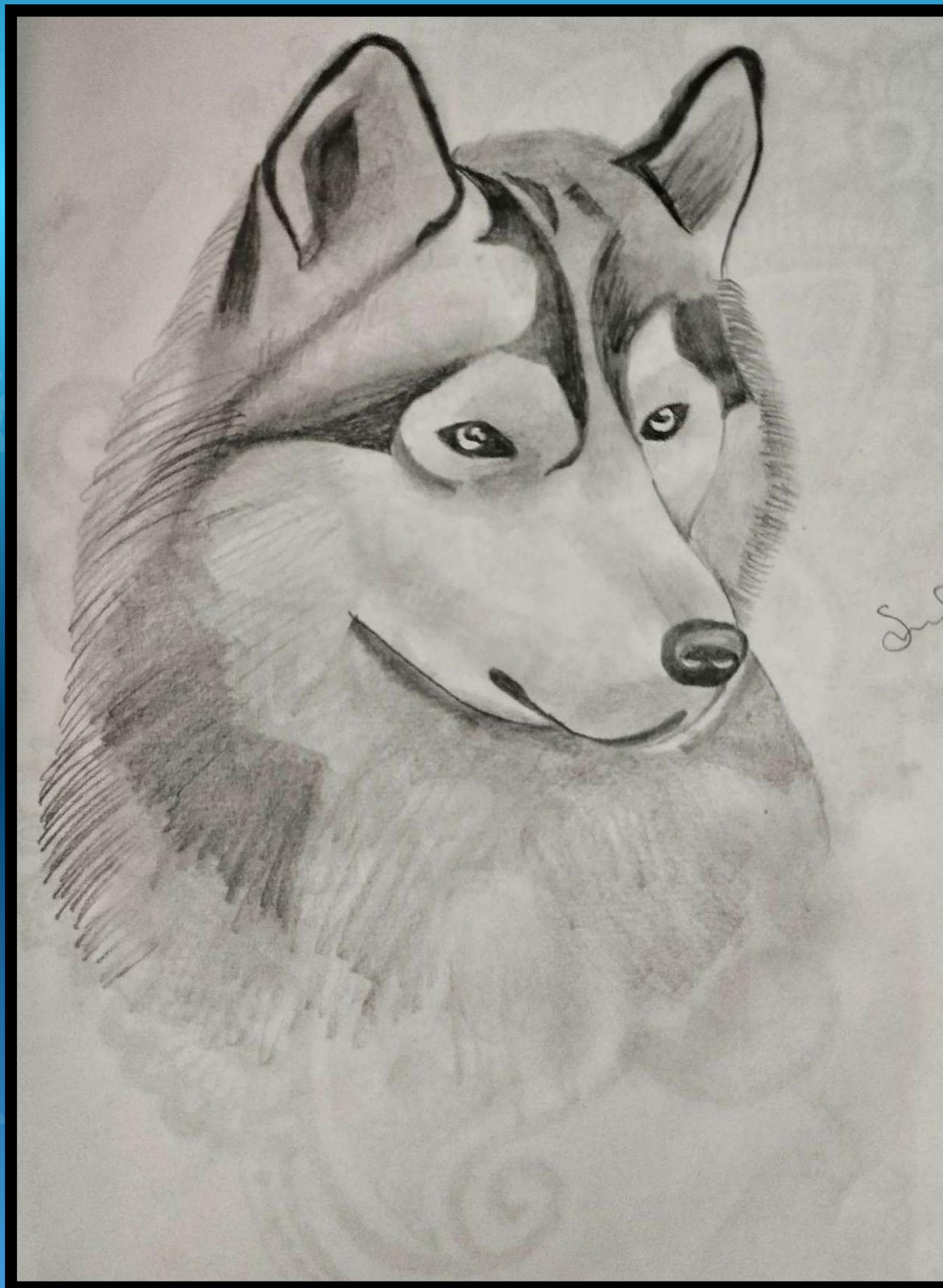
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Saranya S ,
IV Year ECE



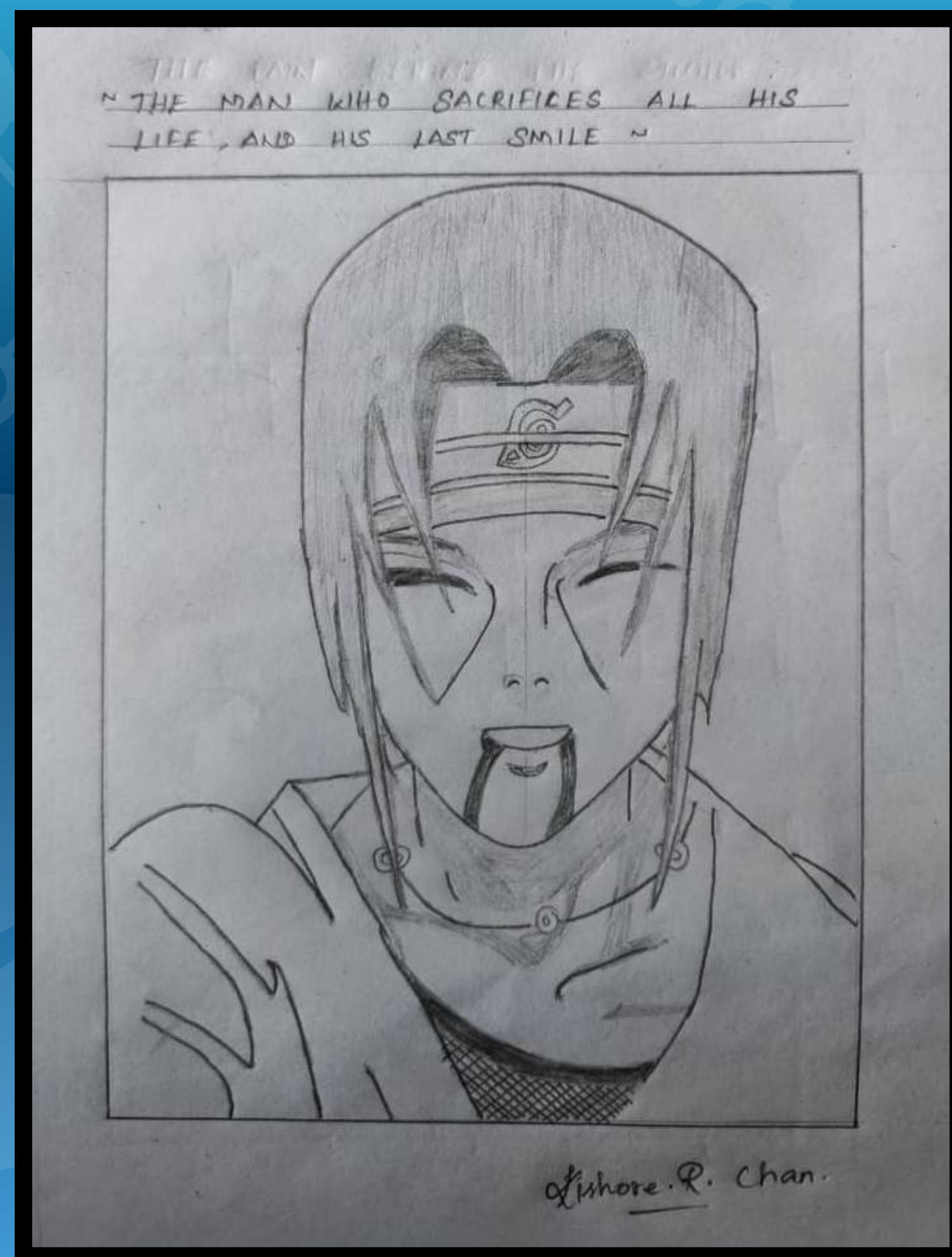
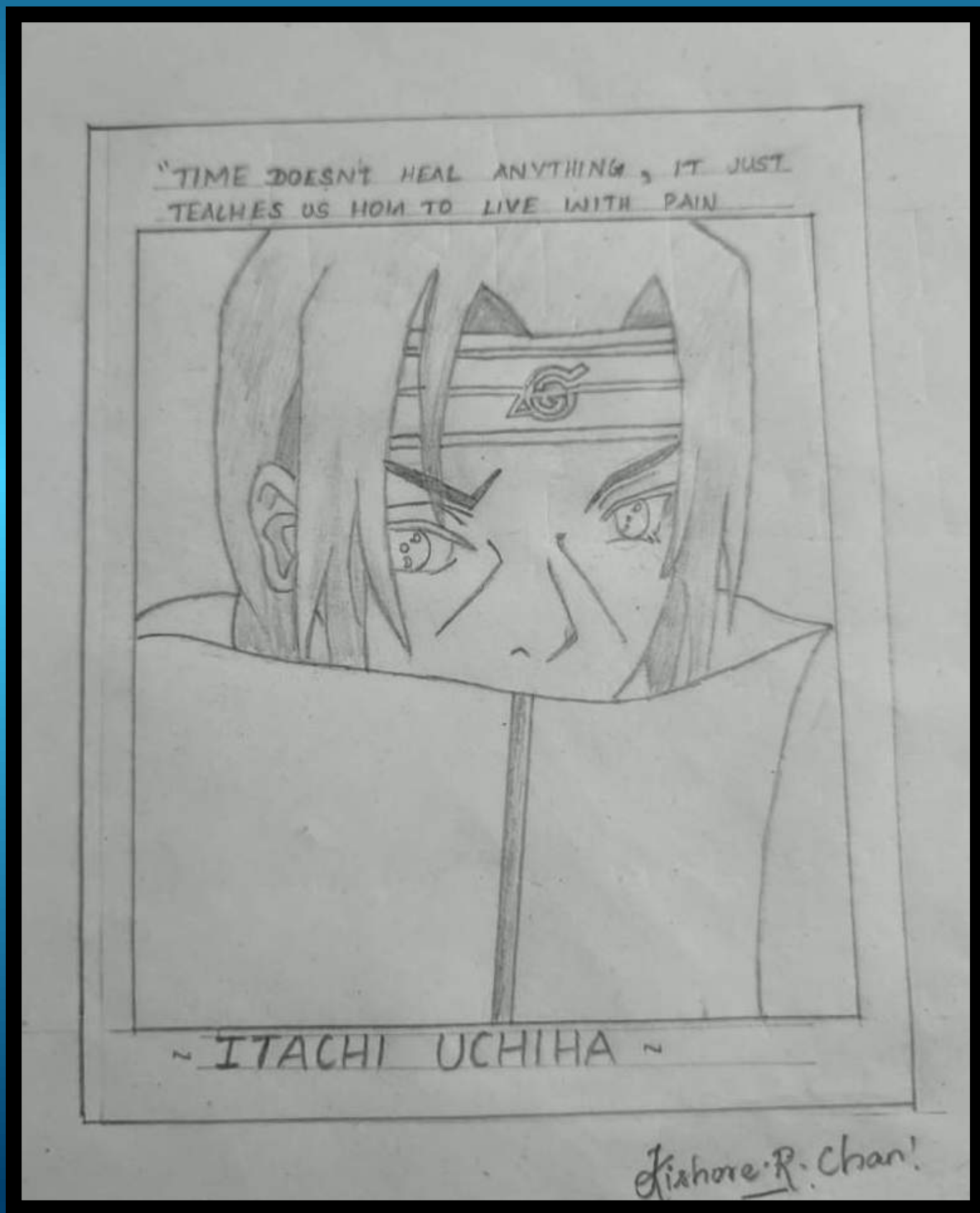
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Saranya S ,
IV Year ECE



BY;
P.Nithya Sree,
IV Year ECE



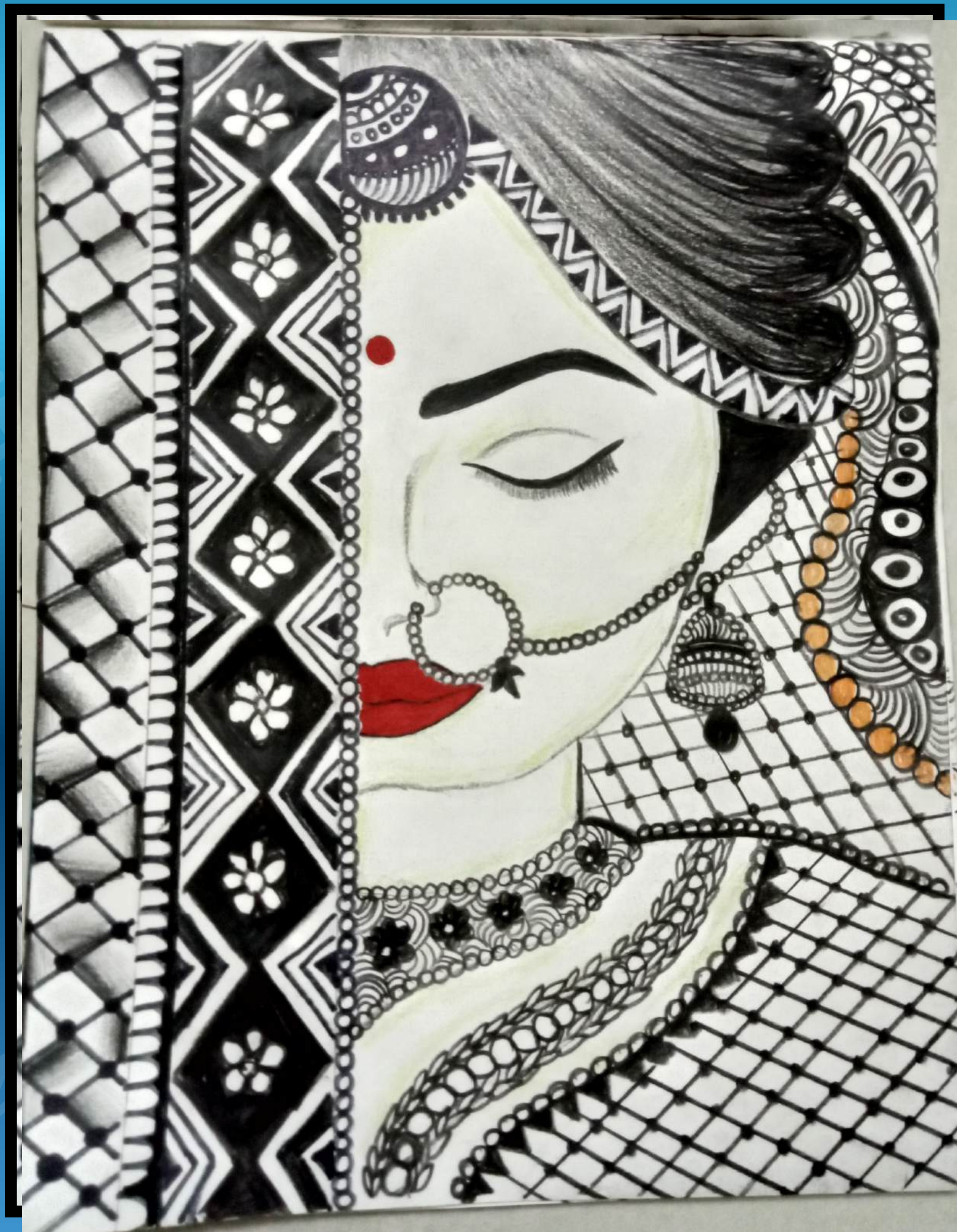
BY;
Saranya S ,
IV Year ECE



BY;
Kishore .R
III Year ECE



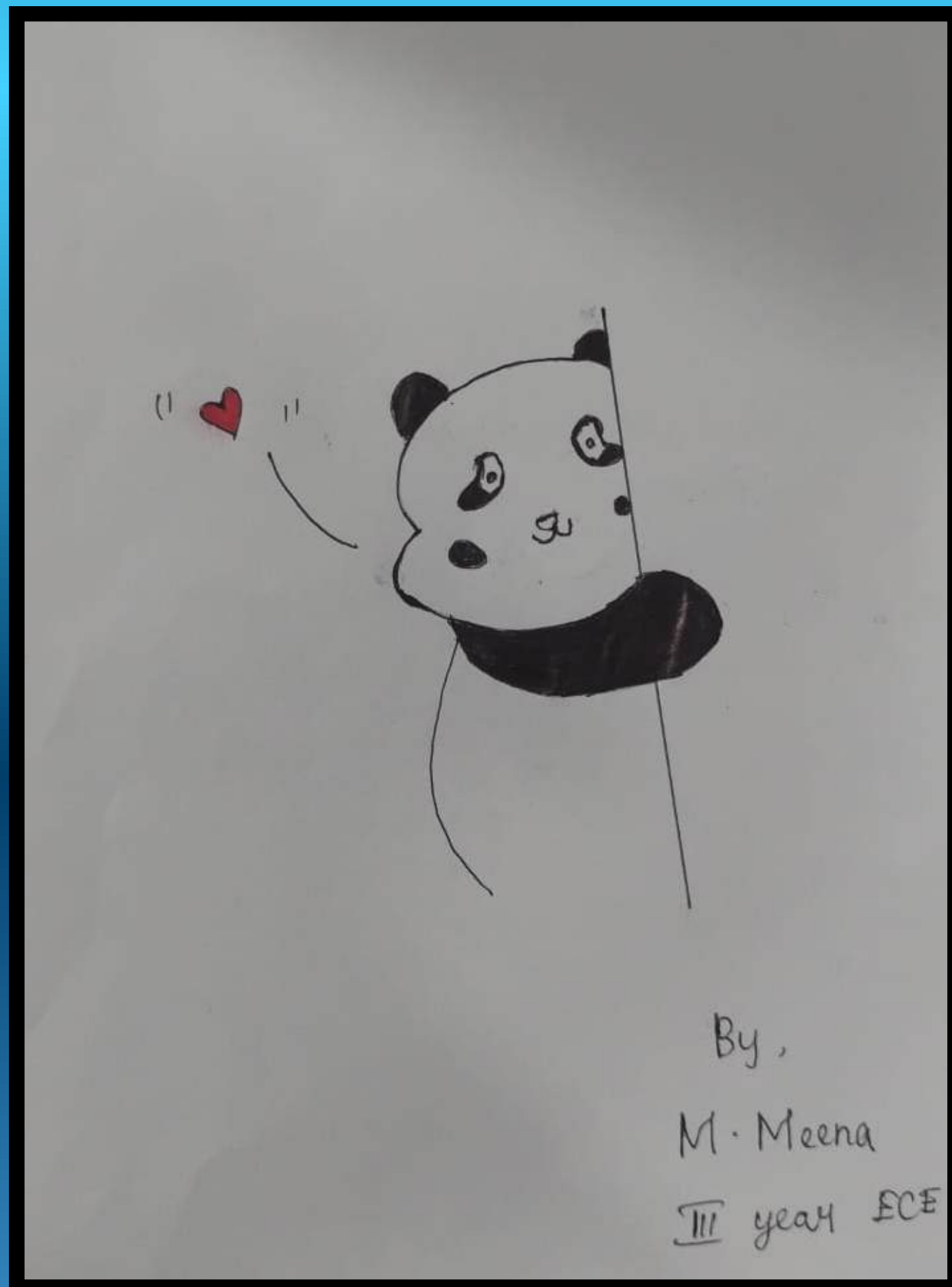
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KEERTHIKA.I
III Year ECE**



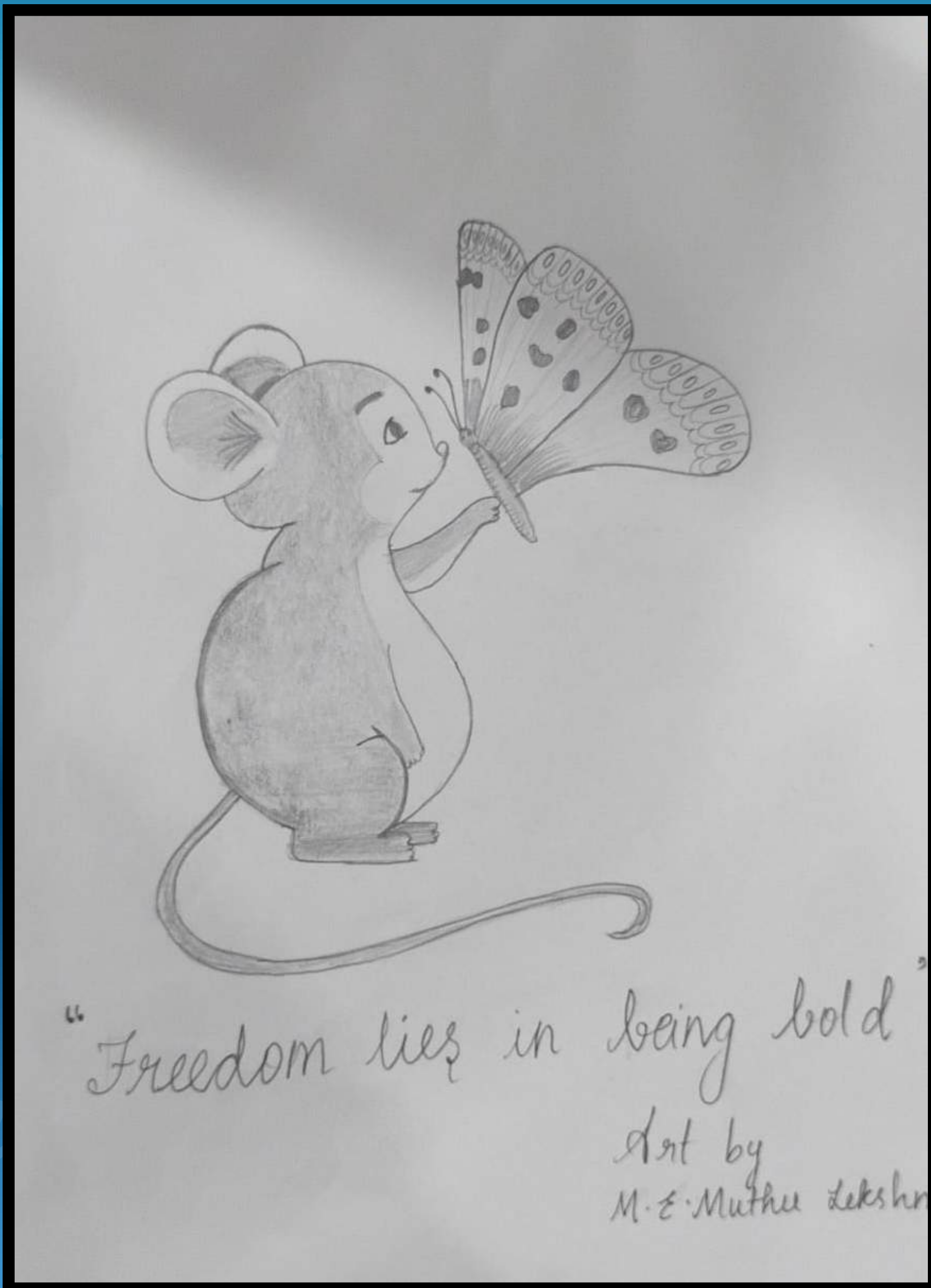
BY;
KEERTHIKA.I
III Year ECE



BY;
Gokula Krishnan.V
III Year ECE



**BY;
Meena .M
III Year ECE**



**BY;
MUTHULEKSHMI.M.E
III Year ECE**

STUDENT ACHIEVEMENTS

- Student ANTONY.A Participated in PAPER PRESENTATION and won 1 st prize organized by St.XAVIER'S CATHOLIC COLLEGE OF ENGINEERING.
- Student SHIEK ANFAL KHAN.K Participated in PAPER PRESENTATION and won 2ND prize organized by St.XAVIER'S CATHOLIC COLLEGE OF ENGINEERING .
- Student SHIEK ANFAL KHAN.K Participated in GAME DEVELOPMENT and won 2ND prize organized by St.XAVIER'S CATHOLIC COLLEGE OF ENGINEERING .
- Student ASWATH KUMAR.S Participated in GAME DEVELOPMENT and won 2ND prize organized by St.XAVIER'S CATHOLIC COLLEGE OF ENGINEERING .
- Student ANTONY.A Participated in CIRCUIT DEBUGGING and won 1 st prize organized by St.XAVIER'S CATHOLIC COLLEGE OF ENGINEERING .
- Student SHIEK ANFAL KHAN.K Participated in CIRCUIT DEBUGGING and won 1 st prize organized by St.XAVIER'S CATHOLIC COLLEGE OF ENGINEERING .
- Student SHEIK ANFAL KHAN Participated in QUIZ and won 1 st prize organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student MAHAPRABHU S Participated in PAPER PRESENTATION organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student ARUL SIVA Participated in PAPER PRESENTATION organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY

STUDENT ACHIEVEMENTS

- Student ASWANTH KUMAR Participated in QUIZ organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student ASWANTH KUMAR Participated in PAPER PRESENTATION organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student SRI RAM Participated in PAPER PRESENTATION organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student PUSHPA RAJ Participated in PAPER PRESENTATION organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student PUSHPA RAJ Participated in QUIZ organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student GOHUL S V Participated in QUIZ organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student RISHIKESH R V Participated in PAPER PRESENTATION organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student RAHUL S V Participated in PAPER PRESENTATION organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student VASIN RESH S Participated in QUIZ organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY

STUDENT ACHIEVEMENTS

- Student GIBSON DURAI Participated in PAPER PRESENTATION organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student GOKULAKRISHNAN V Participated in PAPER PRESENTATION organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student HARIHARASUDHAN Participated in PAPER PRESENTATION organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student GEJO Participated in PAPER PRESENTATION organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student GEJO Participated in QUIZ organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student FATHIMA FARZANA Participated in QUIZ organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student DEEPA RESHMA Participated in QUIZ organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student ANU SURIYA Participated in QUIZ organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student MUTHU LEKSHMI Participated in QUIZ organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student EIELLISAIYARASI Participated in QUIZ organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY

STUDENT ACHIEVEMENTS

- Student PUSHPARAJ.C Participated in SPEECH and won 3rd prize organized by KUMARI KALAI KALAGAM.
- Student MUTHU LEKSHMI Participated in QUIZ organized by DMI COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student ANTONY.A Participated and won 2nd prize in the PAPER PRESENTATION organized by Marcet COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student ARISH.K Participated and won 1st prize in the organized by Marcet COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student KARTHIKA.M.K Participated in PAPER PRESENTATION organized by MSME HACKATHON 5.0
- Student DHARSHINI.M.S Participated in PAPER PRESENTATION organized by MSME HACKATHON 5.0
- Student MEENA.M Participated in PAPER PRESENTATION organized by MSME HACKATHON 5.0
- Student J.SANTHIYA Participated in PAPER PRESENTATION organized by ST.XAVIER COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student C.V.BEULIN Participated in PAPER PRESENTATION organized by ST.XAVIER COLLEGE OF ENGINEERING AND TECHNOLOGY
- Student K.S.SUJISHA Participated in PAPER PRESENTATION organized by ST.XAVIER COLLEGE OF ENGINEERING AND TECHNOLOGY

STUDENT ACHIEVEMENTS

- Student ALRIN JASWA.E Participated in KEYBOARD PLAYING and won 2nd prize organized by KUMARI KALAI KALAGAM.
- Student ANISH SANIYA.N Participated in TAMIL ESSAY WRITING and organized by KUMARI KALAI KALAGAM.
- Student ANNIE JULIET.B.A Participated in TAMIL ESSAY WRITING and organized by KUMARI KALAI KALAGAM.

STUDENT ACHIEVEMENTS



STUDENT ACHIEVEMENTS



STUDENT ACHIEVEMENTS



STUDENT ACHIEVEMENTS



PUZZLE

Across

3. - An instrument used to measure voltage or electrical potential difference.
6. - A material that does not conduct electricity.
9. - A device that stores electrical energy in an electric field.
11. - A device that converts alternating current (AC) to direct current (DC).
14. - The SI unit of electrical current.
15. - The measure of opposition to the flow of electric current.
17. - The process of producing a magnetic field in a body when exposed to a magnetic field.
18. - A semiconductor light source that emits light when current flows through it.
19. - The difference in electric potential energy between two points.
20. - A passive two-terminal electrical component that implements electrical resistance.

Down

1. - An electronic device that increases the amplitude of a signal.
2. - A semiconductor device that converts light into electrical current.
4. - The flow of electric charge carriers, usually electrons or electron-deficient atoms.
5. - A type of electrical connection where components are connected across common points.
7. - A two-terminal electronic component that conducts current primarily in one direction.
8. - A device that converts electrical energy into mechanical energy.
10. - A semiconductor device that amplifies or switches electronic signals.
12. - A safety device used to protect electrical circuits from overcurrent.
13. - The SI unit of electrical capacitance.
16. - A passive two-terminal electrical component that stores energy in a magnetic field.

QUIZ

1. What is the unit of electrical resistance?

- A) Watt
- B) Ampere
- C) Ohm
- D) Volt

Answer: C) Ohm

2. Which component is used to store electrical energy in an electric field?

- A) Resistor
- B) Capacitor
- C) Inductor
- D) Diode

Answer: B) Capacitor

3. Which semiconductor material is most commonly used in the production of transistors?

- A) Silicon
- B) Germanium
- C) Gallium arsenide
- D) Carbon

Answer: A) Silicon

4. What is the primary purpose of a resistor in a circuit?

- A) To store energy
- B) To regulate current
- C) To convert energy
- D) To amplify signals

Answer: B) To regulate current

QUIZ

5. What is the function of a transformer?

- A) Convert AC to DC
- B) Change the voltage level
- C) Regulate the current
- D) Amplify signals

Answer: B) Change the voltage level

6. Which of the following is a typical use of a transistor?

- A) Voltage regulation
- B) Signal amplification
- C) Current limiting
- D) Power conversion

Answer: B) Signal amplification

7. What is the unit of electrical power?

- A) Volt
- B) Watt
- C) Ohm
- D) Ampere

Answer: B) Watt

8. What is the primary purpose of a voltage regulator?

- A) To convert AC to DC
- B) To increase the voltage
- C) To provide a constant output voltage
- D) To protect against overcurrent

Answer: C) To provide a constant output voltage

QUIZ

9. Which component is commonly used to prevent reverse polarity in a circuit?

- A) Capacitor
- B) Inductor
- C) Diode
- D) Resistor

Answer: C) Diode

10. What is the typical forward voltage drop of a silicon diode?

- A) 0.3 V
- B) 0.7 V
- C) 1.2 V
- D) 2.0 V

Answer: B) 0.7 V

11. Which of the following devices can be used as a signal amplifier?

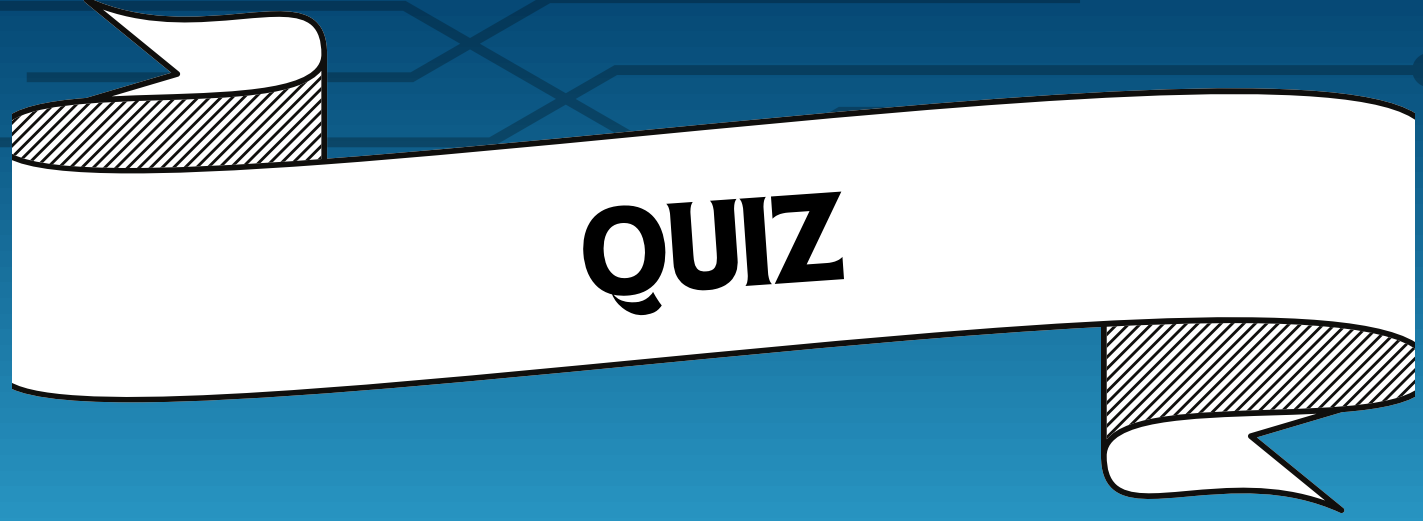
- A) Capacitor
- B) Diode
- C) Transistor
- D) Resistor

Answer: C) Transistor

12. What does the term "AC" stand for in electronics?

- A) Alternating Current
- B) Amplified Current
- C) Analog Circuit
- D) Absolute Current

Answer: A) Alternating Current



QUIZ

13. Which of the following components is typically used to convert alternating current (AC) to direct current (DC)?

- A) Diode
- B) Transistor
- C) Rectifier
- D) Capacitor

Answer: C) Rectifier

14. Which country invented pizza?

- A) France
- B) Italy
- C) Greece
- D) Spain

15. What is the hardest natural substance on Earth?

- A) Gold
- B) Iron
- C) Diamond
- D) Steel

Answer: C) Diamond

திருக்குறள்

கற்கக் கசடறக் கற்பவை கற்றபின்
நிற்க அதற்குத் தக.

விளக்கம்:

கற்பதற்குரிய தகுதியான நூல்களைப் பழுதில்லாமல் கற்க வேண்டும்; கற்றதன் பின்னர் கற்ற அக்கல்வியின் தகுதிக்குத் தகுந்தபடி நடக்கவும் வேண்டும்

எண்ணென்ப ஏனை எழுத்தென்ப இவ்விரண்டும்
கண்ணென்ப வாழும் உயிர்க்கு.

விளக்கம்:

எண் என்று சொல்லப்படுவதும், எழுத்து என்று கூறப்படுவதுமாகிய இவை இரண்டும், இவ்வுலகில் வாழும் உயிர்களுக்கு கண் எனப்படும்.