



ROHINI

College of Engineering and
Technology

**DEPARTMENT OF ARTIFICIAL
INTELLIGENCE AND DATA SCIENCE**

*Rohini Artificial Intelligence and
Data Science Association*



MAGAZINE

SYRAX
2025

"COLLEGE IS A JOURNEY, NOT JUST DESTINATION"



As the Chairman of Rohini College of Engineering, I am extremely delighted to witness the AI & DS Department students proactive approach in establishing a departmental magazine. I am confident that the magazine will serve as a platform for the students to articulate their thoughts, share their experiences, and exhibit their talents. I eagerly await the final product and have no doubt that it will be a remarkable representation of the students diligence, commitment and creativity

I urge all students to actively participate in the magazine's creation and use it as a means to express themselves and display their abilities. I am confident that the magazine will be a source of motivation and inspiration for both the students and faculty. I want to express my sincere appreciation to all of you for your tireless dedication and hard work in making this institution a leading educational institution. Your commitment to providing our students with a high-quality education is truly remarkable, and I am proud to be part of such a dedicated team. Over the years, we have made significant strides in our mission to provide our students with the skills and knowledge they need to succeed in the future. This would not have been possible without the contributions of our faculty and staff, who are the driving force behind our success. As we look towards the future, I am excited about the opportunities that lie ahead for our college. Together, we can continue to build on our success and make a positive impact on the lives of our students.

**BEST WISHES,
SHRI. K. NEELA MARTHANDAN ,
CHAIRMAN, ROHINI GROUPS.**

“THE FOUNDATION OF EVERY STATE IS THE EDUCATION OF ITS YOUTH “



As the Pro Chairman of our esteemed institute, I extend my heartfelt congratulations to the AI & DS department for their remarkable endeavor in creating a department magazine. This initiative truly reflects the spirit of innovation and excellence that defines our institution.

The creation of a department magazine is a commendable effort that not only showcases the talents and achievements of our students but also fosters a vital sense of community and collaboration within the department.

**BEST WISHES,
DR.N.NEELA VISHNU,MBA,
PRO-CHAIRMAN, RCET.**

This is a great, encouraging message! Since it reads like a speech or a formal written address, I've tidied up the flow, punctuation, and formatting to make it sound more polished and impactful for a Pro Chairman.

Message from the Pro Chairman: AI & DS Department Magazine

As the Pro Chairman of our esteemed institute, I extend my heartfelt congratulations to the AI & DS department for their remarkable endeavor in creating a department magazine. This initiative truly reflects the spirit of innovation and excellence that defines our institution.

The creation of a department magazine is a commendable effort that not only showcases the talents and achievements of our students but also fosters a vital sense of community and collaboration within the department.

Fostering Community and Excellence

One of the most significant aspects of this initiative is its potential to foster a sense of belonging and camaraderie within the institution. Through collaborative efforts and shared experiences, students and faculty members will have the opportunity to connect with one another on a deeper level, forging meaningful relationships and networks that extend beyond the classroom or laboratory.

"A LITTLE PROGRESS EACH DAY ADDS UP TO BIG RESULTS"



As the Managing Director of our esteemed institution, I wholeheartedly endorse the release of the department magazine. Such publications serve as invaluable platforms to showcase the talent, achievements, and contributions of our faculty and students. Moreover, they foster a sense of community and pride within the department, encouraging. Let's celebrate our achievements and aspirations through this medium, inspiring others and reaffirming our collective commitment to academic and professional excellence.

I am truly proud to see the enthusiasm and dedication with which the department has embraced this project. I am confident that this magazine will serve as a powerful platform for sharing knowledge, celebrating successes, and inspiring future generations of engineers.

Moreover, it will be a valuable resource for showcasing the cutting-edge research, innovative projects, and academic achievements of our students and faculty, fostering interdisciplinary collaboration and promoting a culture of intellectual curiosity and exploration.

This sense of community is essential for nurturing creativity, encouraging collaboration, and promoting growth among all department members. I commend the collaborative spirit demonstrated by the AI & DS department in bringing this project to life.

Your dedication and passion are truly commendable, and I am confident that the magazine will be a testament to your hard work and ingenuity. On behalf of the management team, I extend my best wishes for a successful launch and continued success of the department magazine.

**BEST WISHES,
DR.V.M.BLESSY GEO,M. SC, PH. D,
MANAGING DIRECTOR, RCET.**

"AN INVESTMENT IN KNOWLEDGE ALWAYS PAYS THE BEST INTEREST"



As the Principal of our esteemed institution, I extend my heartfelt congratulations to the department for their exceptional initiative in launching a department magazine. This endeavor epitomizes the spirit of innovation, collaboration, and academic excellence that we strive to instill in our students and faculty. It reflects the department's commitment to showcasing the diverse talents, achievements, and contributions of our students and faculty members.

This magazine will not only document the academic and extracurricular endeavors within the department but will also serve as a source of inspiration and motivation for the entire institute community.

At our institution, we prioritize innovation and research, constantly encouraging both students and faculty to push the boundaries of knowledge. The launch of this magazine is a clear testament to this commitment, providing a platform for students and faculty to showcase their research, projects, and ideas to a wider audience. In addition to academic excellence, our institute places a strong emphasis on character development and community engagement. We believe in instilling values like integrity and social responsibility, preparing our students to be ethical leaders and global citizens. Through various initiatives, we encourage our students to make a positive impact on the world and foster a strong sense of belonging within our campus community.

**BEST WISHES,
DR. RAJESH, M.E, PH.D,
RCET.**

"LEARNING IS NEVER DONE WITHOUT ERRORS AND DEFEAT"



As the Head of the AI & DS department, I am thrilled to extend my sincerest congratulations to our department for the remarkable milestone of launching our very own magazine. This initiative signifies our department's unwavering commitment to fostering innovation, creativity, and academic excellence among our students and faculty. Our department stands as a beacon of excellence within our institution, known for its rigorous academic curriculum, cutting-edge research, and vibrant student community.

Our department is home to some of the brightest minds in the field of AI & DS, who continually strive to push the boundaries of knowledge and innovation.

One of the hallmarks of our department is our dedication to providing students with a well-rounded education that combines theoretical knowledge with practical experience. Through hands-on projects, research opportunities, and industry collaborations, we equip our students with the skills and expertise needed to thrive in today's rapidly evolving technological landscape.

The launch of our department magazine is a testament to the remarkable talent and creativity that exists within our student body and faculty. It provides a platform for showcasing the groundbreaking research, innovative projects, and academic achievements of our department members. Moreover, the magazine serves as a valuable resource for sharing knowledge, insights, and best practices within the field of AI & DS.

I am incredibly proud of the collaborative efforts and dedication demonstrated by our department members in bringing this magazine to fruition. From brainstorming ideas to curating content and designing layouts, every individual involved has contributed their unique skills and expertise to make this magazine a reality.

**BEST WISHES,
DR.T.SUDARSONRAMA PERUMAL,
HOD ,AIDS**

CHIEF EDITORS MESSAGE



I'm absolutely delighted to celebrate your incredible achievement! This publication stands as a true reflection of your dedication, creativity, and hard work. Turning a cherished idea into a polished, tangible product is an experience like no other—and you've done it with flair and determination.

Creating a magazine is no small feat. It demands time, talent, and a spirit of collaboration—all of which you've demonstrated in abundance. From thought-provoking articles and striking photographs to captivating artwork, each page radiates with your passion for the theme.

But this accomplishment goes far beyond aesthetics. Through this process, you've developed essential skills in writing, editing, design, and above all, teamwork—skills that will serve you well in any future endeavor.

I'm incredibly proud to have been part of this inspiring journey. I have no doubt that this magazine will captivate its readers and spark inspiration. Congratulations on this outstanding milestone, and I can't wait to see the amazing things you'll achieve next!

**MRS. A. HASEENA BEEVI,
ASSISTANT PROFESSOR,
AIDS**

ABOUT RCET

Rohini college of Engineering and Technology (RCET) was started in the year 2012 by Shri. K. Neela Marthandan, a great industrialist and philanthropist and now managing by his son Dr. N. Neela Vishnu. It is located at Palkulam near Anjugramam junction & Kanyakumari, the southernmost town in India. RCET is about 5 kms from the Kanyakumari railway station and 14 kms from Nagercoil junction. RCET is approved by All India Council for Technical Education (AICTE), New Delhi & affiliated to ANNA University, Chennai since 2012. The main feature of the college comprises world class infrastructure with experienced and talented faculties, excellent pass percentage, good placement records and projects developed by students.



OUR VISION

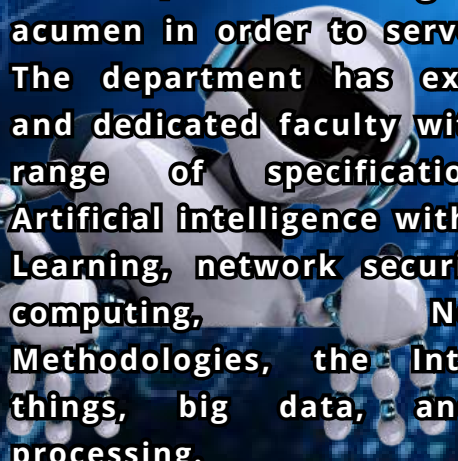
To be an academic institute of continuous excellence towards education and research in rural regime and provide service to nation in terms of nurturing potentially higher social, ethical and engineering companion graduands.

OUR 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.

ABOUT US

We have a freshly instituted interdisciplinary subject Artificial Intelligence and Data Science, an Engineering Programme with an intake of 60 students in the B.Tech AI & Data Science program. This program has roots in computer science, electrical, electronics, and communication engineering, mathematics, and linguistics. Engineering in Artificial Intelligence and Data Sciences is a four years undergraduate course that deals with core technologies like Machine learning, Artificial Intelligence, Fundamental concepts of IoT, Natural Language Processing, Data warehouse, Data mining, Scripting language, Product development, and Mathematical modeling. The department accommodates outcome-based education which helps the students to learn, develop, Hone technical and soft skills like database management, coding language basics, analytical tools, communication skills, data intuition, and strong business acumen in order to serve society. The department has experienced and dedicated faculty with a wide range of specifications like Artificial intelligence with Machine Learning, network security, cloud computing, Networking Methodologies, the Internet of things, big data, and image processing.



The faculty members have published more than 40 papers in National/International journals/Conferences and had written 2 books during the last 3 years and received many awards. Apart from the regular curriculum, the students were provided with a lot of Opportunities to work on projects and skill development to serve the growing needs of the country in the field of computing. The department offers value-added knowledge to the graduates. The department conducts international conferences and national-level technical symposiums every year for students and organizes faculty development programs, guest lectures, seminars, workshops, and industrial visits at regular intervals. The department has well-established laboratory facilities to conduct research work on different specialized areas of Artificial Intelligence and Data Science.

Jobs are becoming more and more available as the demand for data science and artificial intelligence rises quickly. Business-like telecommunication, e-commerce, healthcare, climatology, social networking companies, biotechnology, genetics, research and development, IT industry, IT-enabled service industries, banking, government agencies, insurance, aerospace, etc. are just a few of the career opportunities scopes available after pursuing a B.Tech in AI.

VISION

To be a Centre of Excellence in the field of Artificial Intelligence and Data Science focusing on education and research in rural regime and Produce globally competent, ethical, Computing professionals with social responsibilities.



MISSION

To produce skilled professionals in Artificial Intelligence and Data Science by imparting the state of the art technologies and bringing innovations in Teaching- Learning process.

To promote research and creativity in the field of Artificial Intelligence and Data Science.

To inculcate the students' leadership quality through employability skills with ethical values.





AI DECISION MANAGEMENT

AI Decision Management is a modern approach that uses Artificial Intelligence to help organizations make smart, fast, and data-driven decisions. It combines data analysis, business rules, and machine learning models to automate or support decision-making in areas like finance, healthcare, retail, and government.

- Dr. T. Sudarson Rama Perumal
Associate Professor & HOD.

Magazine -Chief Editors Message

It is with great pride and joy that I present this edition of our Department of Artificial Intelligence and Data Science Magazine. This publication is a reflection of our students' creativity, technical curiosity, and commitment to excellence. It serves as a platform to showcase the innovative ideas, research insights, and achievements of our budding engineers.

- Mrs. A. Haseena Beevi,
Assistant Professor.





DUET AI AND VERTEX AI

Duet AI and Vertex AI are two key AI tools from Google. Duet AI acts as a smart assistant in Google Workspace and Google Cloud, helping users write, code, and analyze data using natural language. It can suggest text in Gmail or Docs and assist developers with code in Google Cloud. Vertex AI, on the other hand, is a full platform for building, training, and deploying machine learning models.

- S. R. Arun
Assistant Professor

MULTIMODAL AI

Multimodal AI is a type of artificial intelligence that understands and processes multiple types of data—like text, images, audio, and video—at the same time. Unlike traditional AI that uses just one data type, multimodal AI combines sources for better context and smarter decisions. For example, it helps self-driving cars use visuals, radar, and voice together, or assists doctors by analyzing medical reports, images, and symptoms.

- Mr. Sivakumar ,
Assistant Professor.



Federated Learning

Federated Learning is a machine learning method where multiple devices train a shared AI model locally, without sharing their private data. Instead of sending raw data to a central server, each device sends only updates from its local training.

**-Anushlin Leena,
Assistant Professor.**



Reinforcement Learning

Reinforcement Learning (RL) is a type of machine learning where an agent learns by trial and error, receiving rewards or penalties based on its actions. The goal is to find the best way to act for maximum long-term reward.

**- S. Devi
Assistant Professor.**





Edge Computing

Edge Computing processes data close to where it's created—like on sensors, cameras, or smartphones—instead of sending everything to the cloud. This reduces delay, saves bandwidth, and improves speed.

- M. Lourdhu Shobana,
Assistant Professor.

Computer Vision

Computer Vision is a branch of AI that enables machines to see and understand images or videos like humans. It uses image processing and machine learning to recognize faces, objects, and actions. Examples include face unlock on phones, medical scans, and self-driving cars.



- T. Sindhuja
Assistant Professor.

Generative AI

Generative AI is a type of AI that creates new content—like text, images, music, or code—by learning from existing data. Tools like ChatGPT, DALL-E, and MusicLM are examples. It uses models like transformers and GANs to generate human-like and creative results.



- T. Sahaya Arthi Jeni
Assistant Professor.



GALLERY

“We take photos
as a return ticket
to a moment
otherwise gone”

WORKSHOP



The AI Club is where future innovators gather to explore the power of artificial intelligence. From machine learning to ethical debates, we build, code, and think beyond limits.

AI CLUB

Curious about how AI works? Whether you're a beginner or a coding pro, the AI Club is your space to learn, create, and collaborate on exciting tech projects.



More than just machines—we explore how intelligence, creativity, and code come together. The AI Club can shape the future with your ideas.





At the AI Club, we don't just talk about the future - we build it. Work on real AI projects, dive into data, and explore technologies that are transforming the world.

Learn. Code. Think.
Create. The AI Club is
our gateway to the
future of intelligence.



PONGAL



Pongal is a vibrant harvest festival celebrated in Tamil Nadu to thank the Sun God and nature for a bountiful harvest. It marks prosperity and gratitude.

ONAM



“Onam is a celebration of tradition, prosperity, and the return of a golden era - marked by flowers, feasts, and festive spirit.”



INDUSTRIAL VISIT 2ND YEAR



“Our industrial visit is a hands-on learning experience where students explore how industries function behind the scenes. It’s a chance to witness live processes, interact with professionals, and connect classroom concepts with real-life applications.”



INDUSTRIAL VISIT 3RD YEAR

“Our industrial visit offers students a valuable opportunity to gain first-hand exposure to industry operations. It allows them to observe real-time processes, understand workflow systems, and engage with experts - turning academic learning into practical experience.”



SPECTRA



HACKATHON

A Hackathon is an intense, team-based event that challenges participants to design and develop software or hardware projects under tight deadlines. It's a unique chance to innovate, learn new skills, and network with like-minded tech enthusiasts.



AI GAMING

Dive into the future of play with AI Gaming – where intelligent algorithms create smarter opponents, adaptive challenges, and immersive experiences that evolve with every move you make.

PROJECT EXPO

The Project Expo is a platform where students showcase their innovative ideas and technical skills through creative projects. It's an opportunity to learn, inspire, and celebrate creativity across disciplines.



POSTER PRESENTATION

Bring your ideas to life with a Poster Presentation! Use visuals and key points to share your work, spark conversations, and get valuable feedback from peers and experts

QUIZ

A look back at our past quiz event, where sharp minds competed, had a blast testing their knowledge across diverse topics, learned, and enjoyed every moment



CULTURALS



"Where tradition meets talent, and every performance tells a story. Experience the culture, celebrate the passion."





Celebrate the rhythm and grace of diverse dance forms at our Dance Culturals. From classical to contemporary, experience vibrant performances that showcase tradition, passion, and creativity.

Faculty Corner

Everyone Has a Story in Life

A 24 year old boy seeing out from the train's window shouted...

"Dad, look the trees are going behind!"

Dad smiled and a young couple sitting nearby, looked at the 24 year old's childish behavior with pity, suddenly he again exclaimed...

"Dad, look the clouds are running with us!"

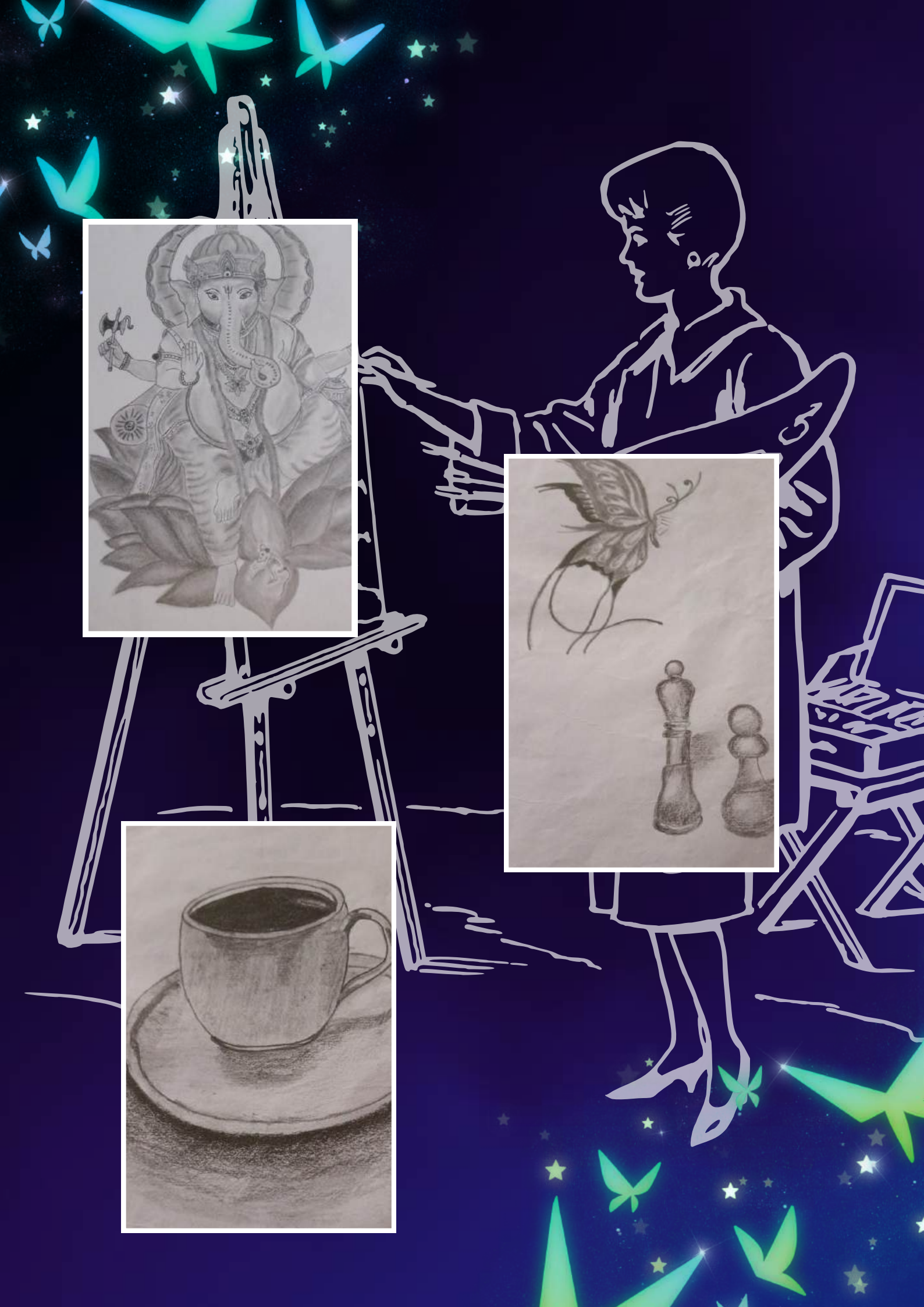
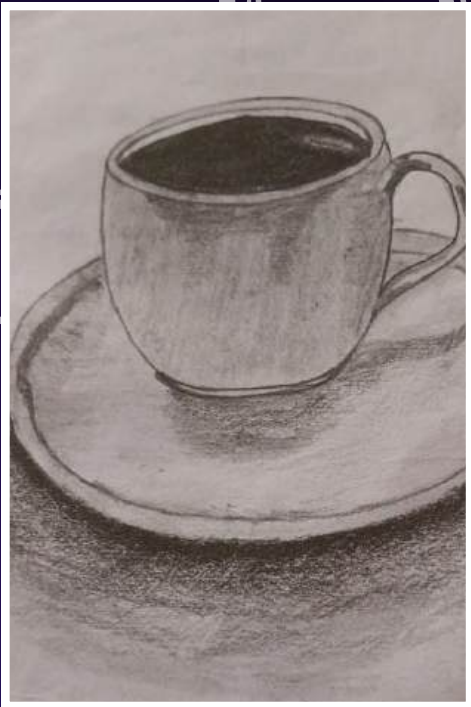
The couple couldn't resist and said to the old man...

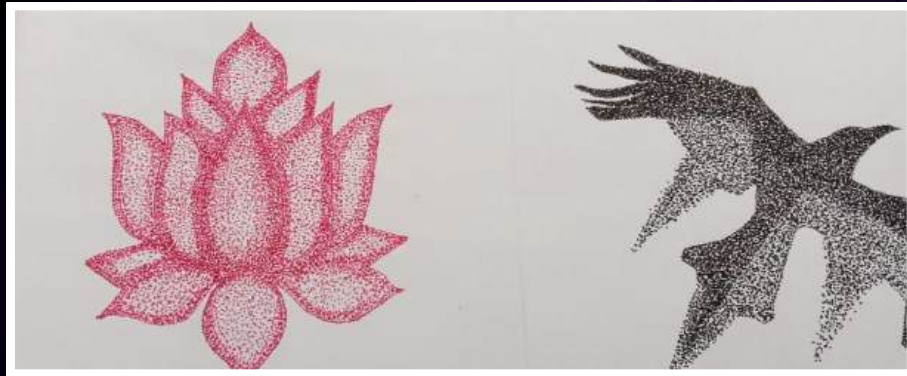
"Why don't you take your son to a good doctor?"
The old man smiled and said..."I did and we are just coming from the hospital, my son was blind from birth, he just got his eyes today."

Every single person on the planet has a story. Don't judge people before you truly know them. The truth might surprise you.

**M. Lourdhu Shobana,
Assistant Professor.**







By:

M. Lourdhu Shobana,
Assistant Professor.


**“When art meets an artist, a
silent conversation begins,
transforming raw vision into
tangible reality”**

OFFICE BEARERS



1.	S.KAMALESH	III-YEAR	GENERAL SECRETARY
2.	MOHAMMED NABEEL.N	III-YEAR	SEMINAR CO-ORDINATOR
3.	BALA THARUN	III-YEAR	IV CO-ORDINATOR
4.	THIRUVEL	II-YEAR	JOIN SECRETARY
5.	JENIFER.J	III-YEAR	TREASURER
6.	BALA AKSHI	III-YEAR	PLACEMENT CO-ORDINATOR
7.	JENISHA MALAR-	III-YEAR	EXCEUTIVE MEMBER
8.	INDHU USHA .D.J	III-YEAR	EXCEUTIVE MEMBER
9.	ASHMITHA .K	II-YEAR	EXCEUTIVE MEMBER



SEMESTER 4 ACADEMIC TOPPERS

1.	ASHIKA.G.R	III-YEAR	1ST	
2.	ASUWATHI .R	III-YEAR	2ND	

SEMESTER 2 ACADEMIC TOPPERS

1.	SHELIJA ASBEL. P	II-YEAR	1ST	
2.	ASMITHA. K	II-YEAR	2ND	





STUDENTS CORNER

**When idea
meets
implementation**



Hackathon

Hybrid Drones Powered by Wind & Solar Energy: A Sustainable Flight Toward the Future

Introduction

Hybrid drones using solar and wind power offer a sustainable, efficient solution for long flights—ideal for agriculture, monitoring, and disaster response.



Solution

The hybrid wind and solar-powered drone uses solar panels and wind turbines to adapt to changing conditions, ensuring continuous operation. An energy management system optimizes power use in real time, extending flight time without frequent charging.

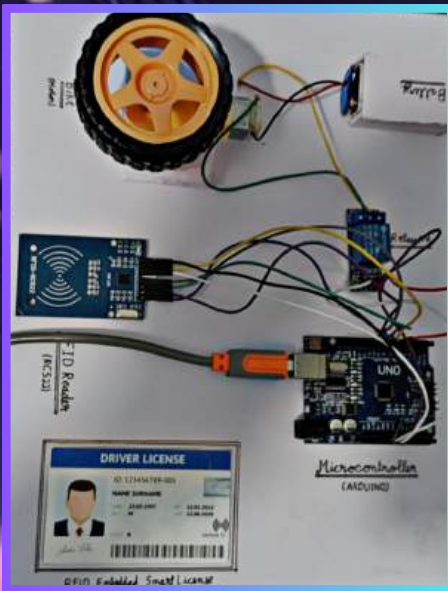
Technology Stack

Hardware: High-efficiency solar panels, miniature wind turbines, lightweight composite materials, and rechargeable battery storage for backup.

Software: Power management and optimization algorithms, microcontrollers for system control, and real-time tracking and energy analytics dashboards.

By:

B.tech AI & DS 3rd Year:
S.Jenisha Malar,
S.Evangelin Staicy,
D. J. Indhu Usha,
L. S. Ransom Leonze,
Y.Ebina



SMART LICENCE AND BIKE IGNITION USING RFID - A SECURE & CONTACT LESS SOLUTION

OVERVIEW:

Keyless Bike Ignition: The system replaces traditional bike keys with an RFID-enabled smart license.

RFID Authentication: The rider scans their RFID-embedded license on a reader installed on the bike.

Secure Access: If authentication is successful, the microcontroller activates a relay to start the bike; otherwise, it remains locked.

Enhanced Security: Prevents unauthorized access, ensuring only authorized users can start the bike.

How RFID Works :

RFID (Radio Frequency Identification) uses radio waves to identify and verify objects. It includes a tag (with a unique ID), a reader (to detect and read the tag), and a microcontroller (to process the data).

Authentication Process:

Tag Activation - The reader powers the tag.

Data Exchange - The tag sends its ID to the reader.

Verification - The microcontroller checks the ID.

Action Execution - If valid, the fingerprint is verified, and the bike starts.

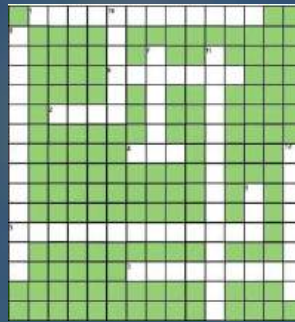
Working Principle :

The RFID reader scans the tag in the rider's license and sends the data to the microcontroller. It checks the tag against authorized entries. If valid, the fingerprint sensor is activated. Once the fingerprint is verified, the microcontroller triggers a relay that powers the bike's ignition, allowing it to start.

Presented by:

Department: AI & DS
N. Mohamed Nabeel, 3rd Year
S. Kamalesh, 3rd Year

CROSS WORD



ACROSS:

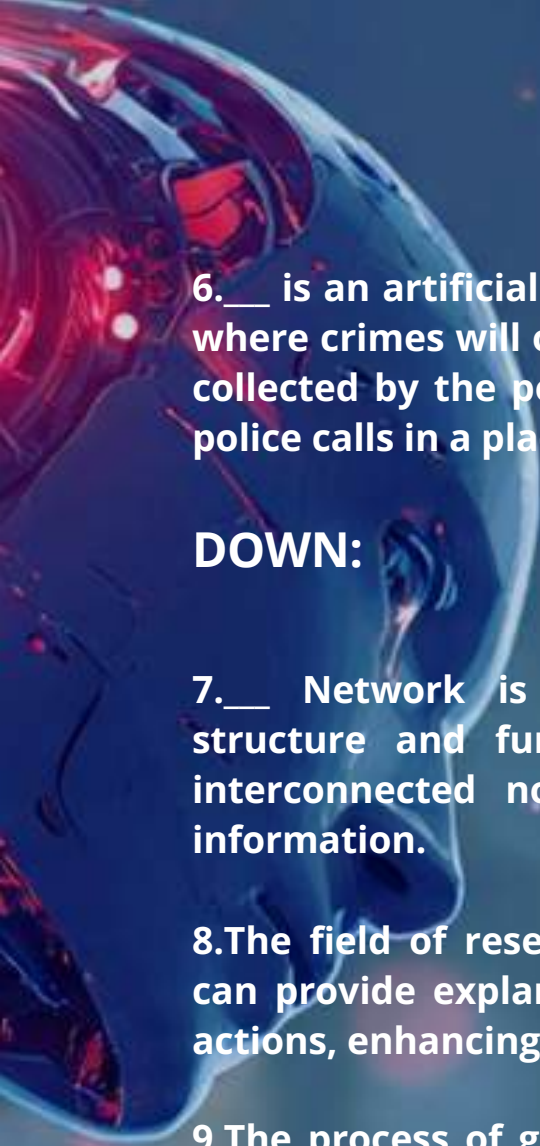
1. ___ is a simple optimization algorithm used in Artificial Intelligence (AI) to find the best possible solution for a given problem. It belongs to the family of local search algorithms and is often used in optimization problems where the goal is to find the best solution from a set of possible solutions.

2. Artificial intelligence ___ constitutes the cumulative human biases that are passed into the artificial intelligence systems created by humans.

3. ___ Computing: A branch of AI that aims to simulate human thought processes, perception, and reasoning. Cognitive computing systems often leverage techniques from AI, machine learning, natural language processing, and computer vision to interact with humans in a more human-like manner.

4. ___ is the branch of AI that deals with the interaction between computers and human language, enabling computers to understand, interpret, and generate human language.

5. ___ is the practice of processing and analyzing data near the source or on the edge devices themselves, rather than relying solely on centralized cloud servers. Edge computing is often employed in AI applications where low latency and real-time decision-making are critical.



6. ___ is an artificial intelligence algorithm that aims to predict where crimes will occur in the future based on the crime data collected by the police such as the arrest counts, number of police calls in a place, etc.

DOWN:

7. ___ Network is a computational model inspired by the structure and function of the human brain, consisting of interconnected nodes (neurons) that process and transmit information.

8. The field of research focused on developing AI systems that can provide explanations or justifications for their decisions or actions, enhancing transparency and accountability.

9. The process of generating natural language text or speech by machines, often used in applications such as chatbots, virtual assistants, or automatic report generation.

10. ___ is an artificial intelligence algorithm created by Northpointe and used in the USA to predict which criminals are more likely to re-offend in the future.

11. The field of AI that focuses on enabling computers to gain a high-level understanding from digital images or videos, similar to human vision.

12. ___ Learning is a technique in machine learning where knowledge gained from one task or domain is applied to another related task or domain, often resulting in improved learning and generalization.

- S. JENISHA MALAR, 3 RD YEAR -AI&DS

ARTICLE THE POSITIVE IMPACT OF AI ON OUR DAILY LIVES

Artificial Intelligence, means machines or computers that can do tasks that usually need human thinking. This includes things like understanding speech, recognizing images, making decisions, and learning from experience. AI is already making our lives easier, and in the future, it will help even more in many areas of society.

In healthcare, AI can help doctors find diseases faster and more accurately. It can study X-rays, remind patients to take medicine, and even assist during surgeries. This means people can get better treatment more quickly. In education, AI can support students by giving them personal lessons, answering their questions anytime, and helping teachers check homework or track progress. This helps students learn in a way that works best for them. AI is also improving transportation. Self-driving cars and smart traffic systems can make roads safer, reduce traffic jams, and help people who can't drive, such as the elderly or disabled.



AI also helps protect the environment. It can predict weather and natural disasters, help farmers grow more food with fewer resources, and find better ways to use energy. In daily life, AI is already around us. Voice assistants like Siri or Alexa, recommendations on YouTube or Netflix, and smart homes that control lights and temperature are all examples.

AI is a powerful tool. If we use it in the right way, it can solve big problems and improve many parts of life, like health, education, travel, and the environment. The goal is to use AI to help people, not to replace them. As AI continues to grow, it's important to use it wisely and fairly so that everyone in society can benefit.

S.JENISHA MALAR, 3rd Year AIDS

VICTORY BEYOND CAMPUS

Mohamed Nabeel.N & Kamalesh. S , Students from Department of Artificial Intelligence and Data Science won 1st prize in Paper presentation at Pet college symposium



Mohamed Nabeel.N,Kamalesh.S and Vijay. J , Students from Department of Artificial Intelligence and Data Science won 2nd prize in Project Expo at Stella Mary's college symposium. Mary's college symposium.



Mohamed Nabeel.N and Kamalesh. S , Students from Department of Artificial Intelligence and Data Science won 1st prize in Paper presentation at Amrita college symposium.



Mohamed Nabeel.N & Kamalesh. S , Students from Department of Artificial Intelligence and Data Science won 2nd prize in Paper presentation at Stella Mary's college symposium.

Mohamed Nabeel.N & Kamalesh.S , Students from Department of Artificial Intelligence and Data Science won 1st prize in Connections at Annai Velankanni college symposium.

S.Bala Akshi , student of 3rd year B.Tech AI & DS won 3rd prize in Project Expo at Stella Mary's college.


Jenifer. J & Akalya. J, students of 3rd year B.Tech AI & DS won 3rd prize in Face Painting at Ayyappa College - Kolusukalin Kondattam 2025.


Jenifer.J & Akalya.J, students of 3rd year B.Tech AI & DS won 2nd prize in Face Painting at St Xavier's Calida Feast.

Jenifer.J & Agnal Sancy, students of 3rd year B.Tech AI & DS won 1st prize in Face Painting at Malankara College - Inter College Cultural.



WINDS OF CHANGE: SOLAR-WIND HYBRID DRONE WINS MSME HACKATHON



 **ROHINI**
COLLEGE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)
Approved by AICTE & Affiliated to Anna University | NBA Accredited for BE (ECE, EEE, MECH) | Accredited by NAAC with A+ Grade


KANYAKUMARI, TAMIL NADU

Congratulations


to our 2nd Year Artificial Intelligence &
Data Science Students




S. JENISHA MALAR



S. EVANGELIN STAICY



D.J. INDHU USHA



L.S. RANSOM LEONZE



Y. EBINA

for Securing

₹ 10 LAKHS

for their project
"Drone using Wind Energy" from Idea Hackathon 4.0
organized by
Ministry of Micro, Small & Medium Enterprises (MSME)

**Wish many more
achievements ahead!**

S.Jenisha Malar, S. Evangelin Staicy, D. J. Indhu Usha, Y. Ebina, L.S. Ransom Leonze, students of B.Tech AI & DS won ₹10,00,000 from MSME for their Project.

INTERNSHIP



Students of B.Tech Artificial Intelligence and Data Science have successfully completed their App Development internship at Spectrum Software Solutions, Kochi. This hands-on program offered them valuable industry exposure, improved their technical skills, and provided experience in real-time project development. Working with modern tools and technologies, the students learned practical aspects of app development, including coding, UI/UX design, and team collaboration. The internship not only enhanced their technical abilities but also gave them a glimpse into professional work environments, preparing them for future careers in tech.



Students from B.Tech Artificial Intelligence and Data Science have successfully completed their AI & ML internship at Shrishti Innovative, located in Technopark, Thiruvananthapuram. This internship provided the students with valuable hands-on experience in cutting-edge Artificial Intelligence and Machine Learning technologies. During the program, they worked on real-time projects involving data preprocessing, model building, algorithm tuning, and performance evaluation using popular tools such as Python, TensorFlow, and Scikit-learn. The experience helped them bridge the gap between academic learning and industry practices, while also enhancing their problem-solving skills, coding proficiency, and team collaboration. Exposure to real-world challenges and professional guidance from industry experts has significantly strengthened their confidence and preparedness for future roles in the AI domain.



Students from B.Tech Artificial Intelligence and Data Science have successfully completed their internship at Small Industries Corporation, Ekkaduthangal, Guindy, Chennai. This comprehensive internship program covered key areas such as Full Stack Development, Data Analytics, and Web Development, providing the students with valuable hands-on experience across multiple domains of software engineering. Throughout the internship, students worked on real-world projects where they developed and maintained web applications, performed data analysis to derive meaningful insights, and built end-to-end solutions using modern technologies like JavaScript, Python, SQL, HTML/CSS, and various frameworks. The practical exposure helped students strengthen their technical skills, understand workflow management, and gain insights into industry standards and best practices. Additionally, they enhanced their problem-solving abilities and learned to collaborate effectively within professional teams, preparing them well for future careers in the tech industry.

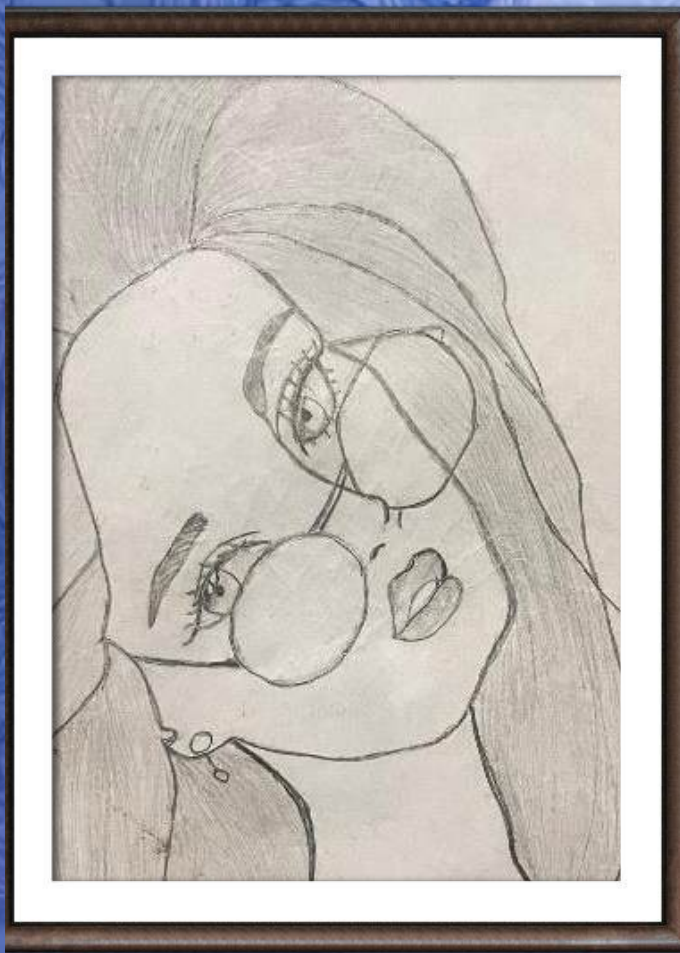
Students from B.Tech Artificial Intelligence and Data Science have successfully completed their Machine Learning internship at DLK Software Solution, Chennai. This internship provided them with valuable hands-on experience and practical knowledge in various aspects of Machine Learning, including data preprocessing, model development, training, and evaluation. Working on real-world projects, the students applied popular ML algorithms and tools like Python, Scikit-learn, and TensorFlow, gaining a deeper understanding of how to build effective predictive models. The experience helped them enhance their technical skills, problem-solving abilities, and familiarity with industry workflows, preparing them for future roles in AI and data science.

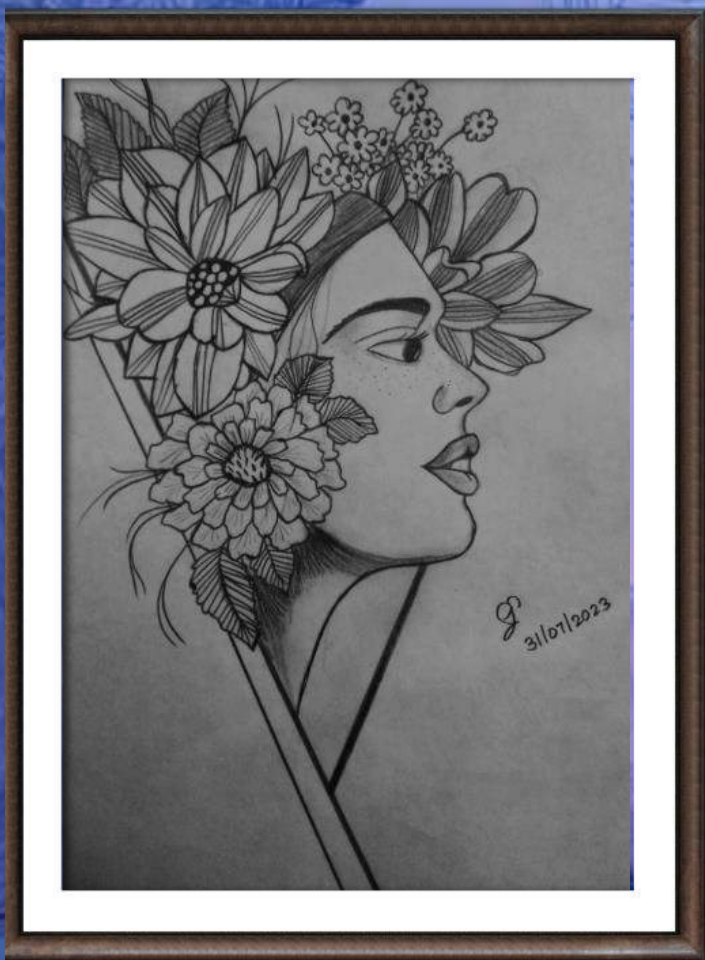


DRAWINGS



ART BY: Mohammed Nabeel. N, 3rd Year, B.tech AIDS





ART BY:Jenisha Malar. S , 3rd Year B.Tech AIDS



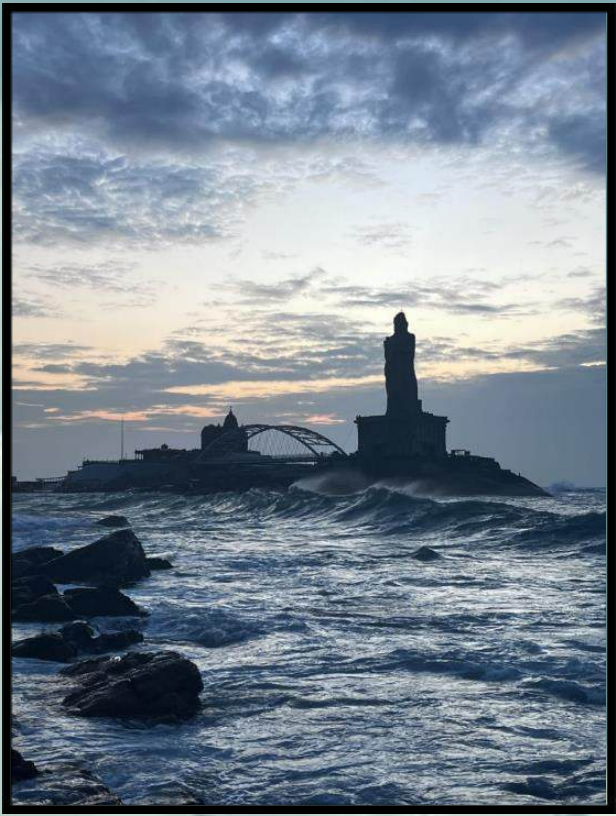
ART BY:Ransom Leonze . L. S, 3rd ,B.Tech AIDS



ART BY:Amisha Jefrin , 2rd Year B.Tech AIDS



PHOTOGRAPHY





BY: Kamalesh. S,3rd Year ,B.tech AIDS



BY:Jenisha Malar. S , 3rd Year B.Tech AIDS



BY:Ransom Leonze . L. S, 3rd ,B.Tech AIDS

POEM

**UNspoken emotions, hidden deep
A love so strong, yet forever asleep
I watch you from afar, a silent gaze
Longing to tell you, but lost in haze**

**Your smile illuminates my darkest night
Your laughter echoes, a haunting delight
My heart beats for you, a secret rhyme
A one-sided love, a lifetime crime**

**I never spoke, never made a move
Fear of rejection, my heart would prove
Now you're gone, and I remain
A ghost in shadows, loving in vain**

**Your block list holds my hidden name
A digital wall, a love in flames
Yet still I care, still I adore
Loving you from distance, forever more**

**In dreams, I see your lovely face
A bittersweet reminder of a love's empty space
My heart still holds, still beats for you
A love unspoken, forever true.**

-N.MD.Nabeel

கவிதை

“
அன்று மாலை நான் உறங்கிக்கொண்டிருந்தேன்
திடீரென அவள் என் கனவில் வந்தாள் அன்று
முதல் நான் மாலை உறங்குவதில்லை காரணம்
அவள் வருவாள் என்பதினால் அல்ல அவள்
அன்றே என் நினைவுகளை திருடிவிட்டாள் இனி
நான் உறங்கினால் என்ன ? விழித்திருந்தால்
என்ன? முப்பொழுதும் அவள் கற்பனையில் நான்!!

By : Kamalesh

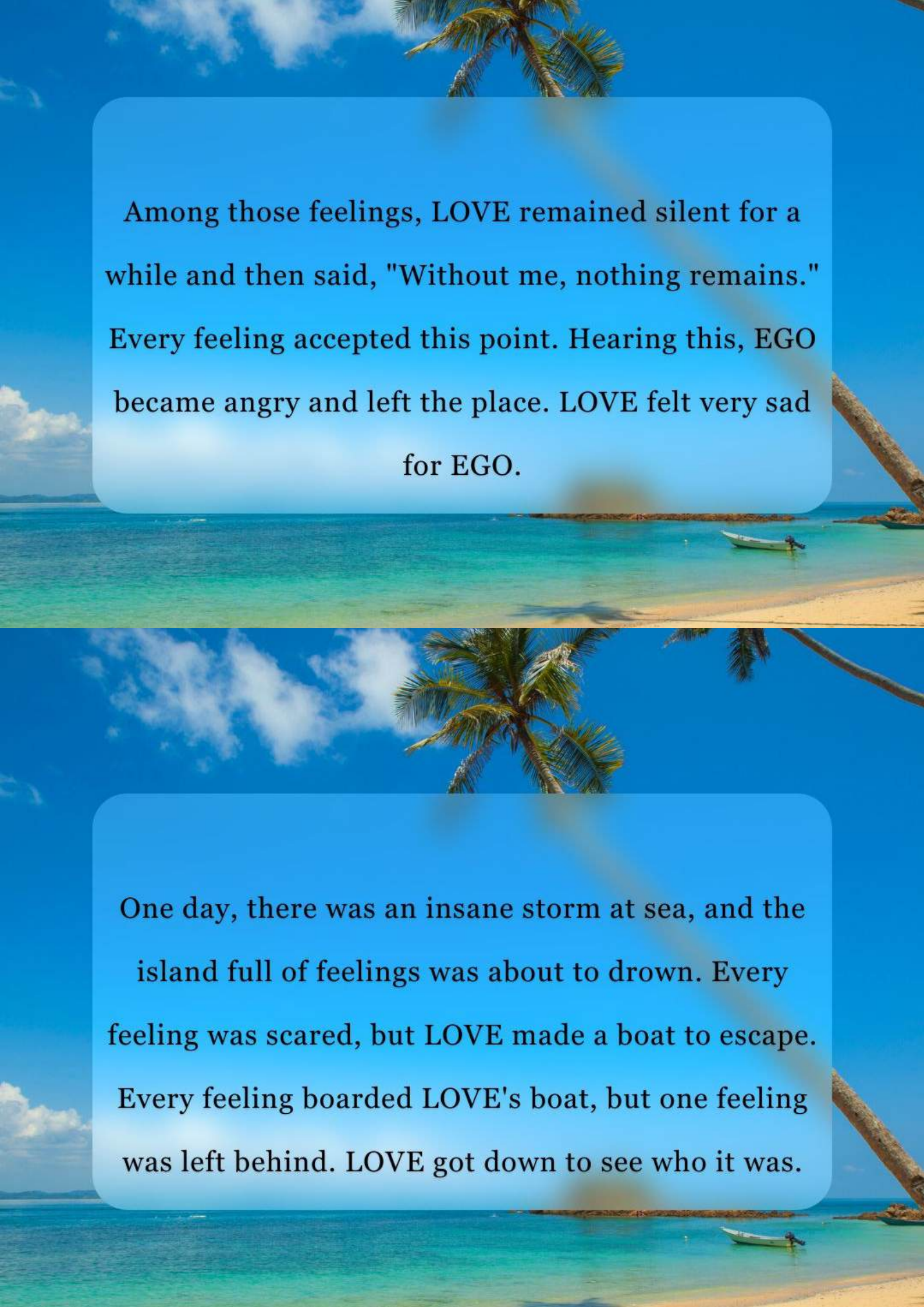




The Story of LOVE and EGO

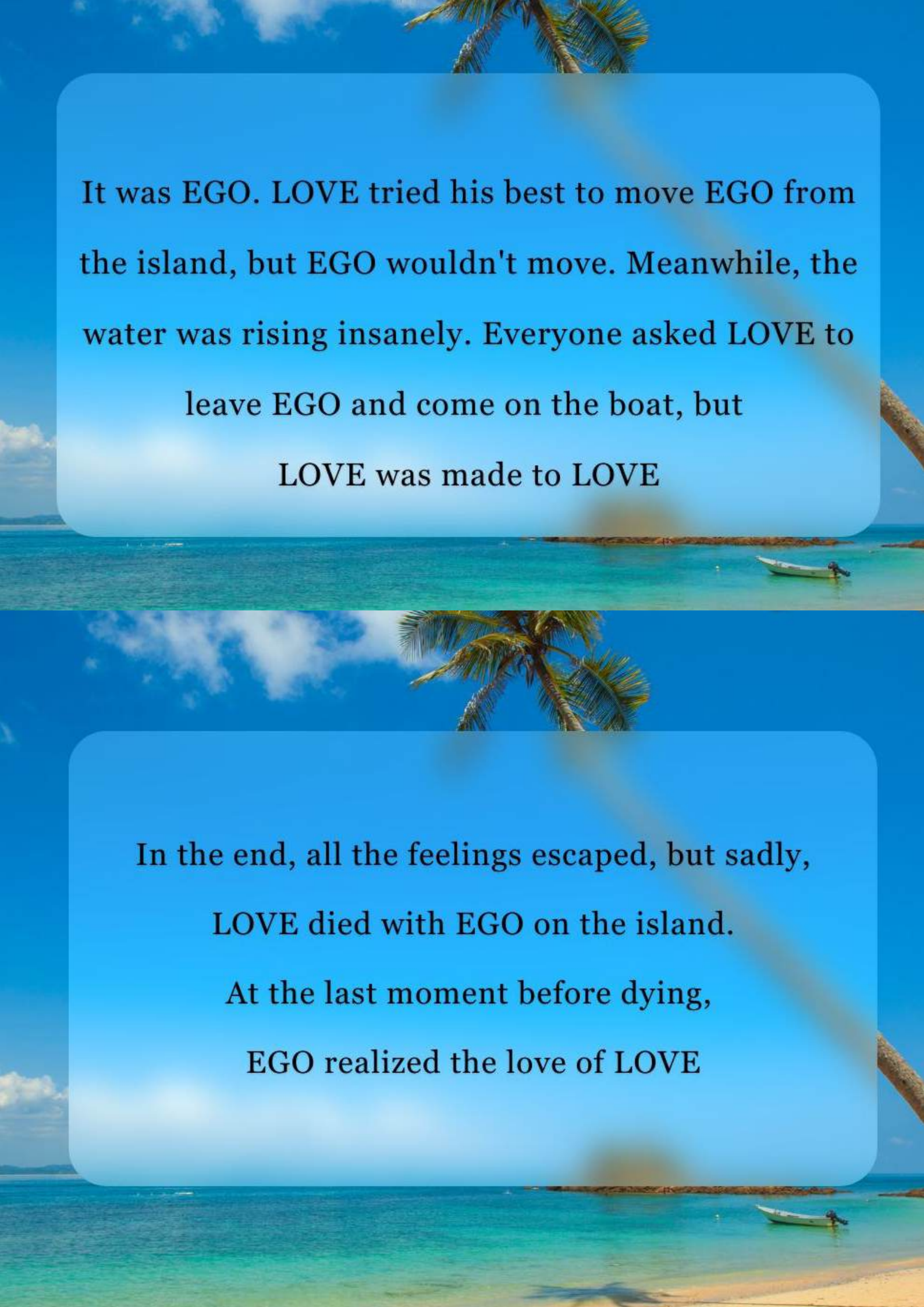
Once upon a time, there was an island where all the feelings lived together. Each feeling quarreled about which one was mostly used by living organisms. Each feeling raised their voices, and among them, EGO was the most furious on this topic. He argued his best, but

no one accepted his claim.



Among those feelings, LOVE remained silent for a while and then said, "Without me, nothing remains." Every feeling accepted this point. Hearing this, EGO became angry and left the place. LOVE felt very sad for EGO.

One day, there was an insane storm at sea, and the island full of feelings was about to drown. Every feeling was scared, but LOVE made a boat to escape. Every feeling boarded LOVE's boat, but one feeling was left behind. LOVE got down to see who it was.



It was EGO. LOVE tried his best to move EGO from the island, but EGO wouldn't move. Meanwhile, the water was rising insanely. Everyone asked LOVE to leave EGO and come on the boat, but

LOVE was made to LOVE

In the end, all the feelings escaped, but sadly, LOVE died with EGO on the island.

At the last moment before dying, EGO realized the love of LOVE

A tropical beach scene with palm trees, turquoise water, and a sandy shore. The sky is blue with some white clouds. The water is clear and shallow, showing the sandy bottom. A small boat is visible in the distance on the right. The shadows of palm trees are cast on the sand in the foreground.

MORAL

There is no LOVE without EGO

&

There is no EGO without LOVE

@iam_s.k004

"Education is not the filling of a pail, but the lighting of a fire."



ROHINI
COLLEGE OF ENGINEERING & TECHNOLOGY

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