

# ARTIFICIAL INTELLIGENCE & DATA SCIENCE



## ABOUT DEPARTMENT:

The Department of Artificial Intelligence & Data Science (AI & DS) is the youngest branch of Global Academy of Technology, established in 2020. The department has fostered excellence in undergraduate education while advancing research that pushes the boundaries of Machine Learning, Data Science and Artificial Intelligence. The curriculum of the AI&DS program is designed to provide necessary basics in computer science engineering with specialized knowledge and skills in Artificial

Intelligence, Machine Learning, Deep Learning, Data Mining, Big Data and Natural Language Processing. The department comprises faculty members with rich academic experience in the domain and pursuing research activities in all related disciplines of Artificial Intelligence and Data Science.

The key highlights of AI & DS are: Research oriented teaching, Student centric through early internship opportunities in IITs, NITs and in IIITs, promoting innovative research and development in Artificial Intelligence and Data Science and its allied fields in collaboration with industries. As a result of this students are actively involved in research publications and Mini Projects. Department of AI & DS focuses on preparing the students for solving real-world problems using AI by imparting engineering skills through experiential learning mode and to provide a pleasant environment in pursuit of excellence by keeping high personal and professional values and ethics.

## **HOD'S MESSAGE:**



**Dr. Girish Rao Salanke N S**  
**Professor & Head, AI&DS**

"Greetings to all, and welcome to the Department of Artificial Intelligence and Data Science Engineering!

It is with great enthusiasm and honor that I extend a heartfelt welcome to each one of you. As the Head of this remarkable department, I am privileged to lead a team of exceptional educators, researchers, and innovators, all of whom are deeply committed to shaping the future of technology and advancing knowledge in this ever-evolving field.

Our department stands at the forefront of groundbreaking technologies, driven by data and powered by creative problem-solving. We are not just teaching students the

intricacies of AI and data science; we are empowering them to become the architects of tomorrow's technological landscape. It is our mission to provide an environment where academic excellence meets innovation, research flourishes, and every student grows holistically.

In today's world, where data drives decisions and innovation, the impact of our graduates will be profound. From healthcare to finance, manufacturing to entertainment, the skills you acquire here will be highly sought after. As AI and data science professionals, you will have the opportunity to solve real-world problems, design intelligent systems, and contribute to a smarter, more efficient world.

As we embark on this exciting journey together, I am filled with optimism about the opportunities that lie ahead. I firmly believe that, with your passion and our collective efforts, we will achieve greatness in education, research, and technological innovation. Together, we will elevate the Department of Artificial Intelligence and Data Science Engineering at Global Academy of Technology to new heights, establishing it as a beacon of excellence, where transformative ideas and visionary solutions take shape.

Thank you, and I look forward to the amazing journey we will undertake together."

## STUDENT FORUM:

### ESPOIRE CLUB:



**ESPOIRE**, the AI&DS Student Forum, is a dynamic platform designed to empower students, foster leadership, and drive academic excellence. With a core committee comprising a President, Vice President, Secretary, Treasurer, Communication Coordinator, and Design Coordinator, the forum aims to create a vibrant and inclusive community within the department.

By delegating responsibilities and encouraging collaboration, ESPOIRE seeks to equip students with essential skills, from strategic planning and financial management to communication and creative design. Through a variety of initiatives and events, the forum will provide opportunities for students to connect, learn, and grow together,

ultimately contributing to the department's reputation as a centre of AI&DS innovation.

## STUDENT CLUB ACTIVITIES

### IPL AUCTION:



ESPOIRE, the dynamic student forum of AI&DS, successfully hosted an exhilarating IPL auction event. Designed to test students' financial acumen and strategic thinking, the event transformed the college campus into a high-stakes bidding arena. Participants were challenged to assemble their dream IPL teams within a limited budget, mirroring the real-world complexities of investment

and resource allocation.

The event comprised three rounds, escalating in intensity and competition. The initial quiz round assessed participants' IPL knowledge, setting the stage for the subsequent auction rounds. With each bid, students honed their strategic abilities, balancing passion with prudence. The grand finale witnessed a fierce battle for top talent as participants employed various tactics to outsmart their rivals.

Beyond the thrill of competition, the event fostered a collaborative and engaging atmosphere, allowing students to network and learn from one another. The ESPOIRE IPL Auction was a solid success.



## TCS Tech Bytes:

### Tech Talent Shines at TCS Tech Bytes College-Level Quiz



On **April 13, 2025**, the college successfully hosted the **TCS TechBytes College-Level Quiz (Round 1)**, drawing participation from **49** enthusiastic engineering students. The quiz, aimed at identifying and nurturing emerging technical talent, tested students' knowledge in IT and emerging technologies through a dynamic and competitive format.

Following a rigorous and engaging session, **20 participants qualified** for the regional round, earning the opportunity to represent the college at the next level. The event achieved its core objective of promoting technical awareness and encouraging students to stay informed about current industry trends.

With its focus on learning, innovation, and competitive spirit, the quiz served as a valuable platform for students to showcase their aptitude and passion for technology.



# ACTIVITIES CONDUCTED BY DEPARTMENT

## “IBM Skill Development Program”



The **Department of Artificial Intelligence and Data Science** at **Global Academy of Technology** successfully conducted a three-day Skill Development Program, held from **October 14 to 16, 2024**, in collaboration with IBM and EDUNET Foundation. The initiative aimed to equip students with foundational knowledge and practical insights into some of

the most in-demand technologies in the modern IT landscape.

The program offered a comprehensive introduction to Cloud Computing, Data Analytics, and Artificial Intelligence (AI), covering not just theoretical aspects but also real-world applications. Through a combination of lectures, demonstrations, and hands-on practice sessions, students gained exposure to cutting-edge tools and industry-relevant methodologies.



The sessions were designed to foster experiential learning, encouraging students to think critically, ask questions, and apply their understanding through guided practice. The program kept participants actively engaged and promoted continuous learning, aligning well with the department’s commitment to nurturing industry-ready graduates.

## Workshop on "No-Code Tools for AI"



In a significant step toward democratizing artificial intelligence and equipping students with industry-relevant skills, the **Department of Artificial Intelligence and Data Science at Global Academy of Technology** hosted an insightful and highly engaging workshop titled "**No-Code Tools for AI.**" The session was led by **Mr. Abhijith Jain**, Co-founder and CEO of **FindInbox Pvt. Ltd.**,

**Bangalore**, a visionary entrepreneur and AI enthusiast.

The workshop introduced students to the rapidly evolving world of **no-code AI development**, focusing on how powerful AI applications can be built and deployed without writing a single line of code. Participants were introduced to tools that simplify the creation of intelligent systems, making AI more accessible to non-programmers and expanding the horizon of possibilities in AI-driven problem solving.

A key highlight of the session was the **hands-on training in building chatbots** such as an **AI Teacher** and an **AI Travel Agent** using the **Agentivehub platform**. Students explored **prompt engineering**, learned techniques for effective chatbot design, and understood the process of **seamless integration of AI bots with websites and social media platforms**—an essential skill in today's digital-first world.



The event was a resounding success, providing students with a forward-looking perspective on AI development and emphasizing the importance of **no-code platforms** in shaping the future of accessible and inclusive technology. By nurturing

such skills, the Department continues to prepare its students to lead in the **AI era with confidence, creativity, and competence.**

## CULTURAL EVENTS:



As part of the high-energy celebrations of **VTU Fest 2025**, the **Department of Artificial Intelligence and Data Science** at Global Academy of Technology proudly participated in a rally event centred around the theme "**Brand Karnataka.**" The event celebrated the rich cultural heritage, technological advancement, and progressive spirit of Karnataka, with

students enthusiastically bringing the state's identity to life. Students and faculty of AI &DS marched with creativity and pride, showcasing placards, slogans, and visual displays that reflected Karnataka's achievements in IT, innovation, tourism, art, and culture. From Mysuru's royal legacy to Bengaluru's global tech influence, the rally painted a vivid picture of Karnataka as a powerhouse of tradition and transformation.

The rally not only highlighted the students' pride in their roots but also emphasized the critical role of AI and data science in shaping Karnataka's future as a leading hub for technology and innovation. The event received high praise for blending cultural celebration with academic vision, and it stood out as a key moment in the fest.

By connecting tradition with technology, the rally exemplified the spirit of "Brand Karnataka"—bold, innovative, and deeply rooted in identity.



## NCC s SPORTS:

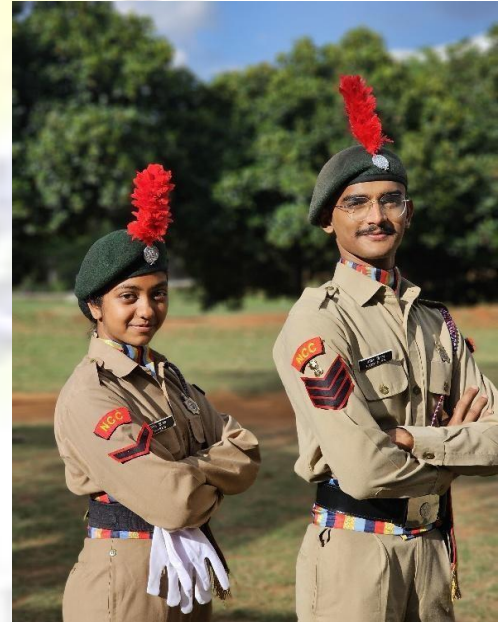


Students from the Department of Artificial Intelligence and Data Science have demonstrated remarkable enthusiasm and dedication through their active involvement in National Cadet Corps (NCC) activities. Their participation in various state and national-level camps, parade training, and social outreach programs reflects the discipline, leadership, and civic responsibility that NCC strives to instil in young cadets.

Notably, cadets **Harshith B. N., Shravani, and Rajani** have represented the department in multiple NCC initiatives, showcasing their commitment to service, teamwork, and nation-building. Through participation in drills,

awareness drives, and leadership-building exercises, these students continue to embody the values of integrity and patriotism.

The department commends their efforts and remains committed to fostering such co-curricular engagements that contribute to the overall personality development of students beyond the classroom.



The spirit of Kho-Kho ran high this season as students from the Department of Artificial Intelligence and Data Science played a vital role in the college Kho-Kho team's impressive performance at the **VTU State-Level Kho-Kho Tournament 2024**. Competing against top teams from across Karnataka, the college team emerged as the Runners-Up, marking a proud moment for the institution.

Among the standout contributors from the AI & DS department were Y. Rajani, who also served as the team captain, and Nidhi K. N., both of whom demonstrated outstanding agility, coordination, and sportsmanship. Their efforts, along with those of their teammates, were instrumental in securing the team's strong finish in the tournament.

This achievement not only highlights the athletic talents of our students but also underscores the department's commitment to encourage holistic development—balancing academic excellence with active participation in sports and extracurricular pursuits.



OF TECHNOLOGY

## FACULTY ACHIEVEMENTS:



**Dr. Rohini B. R.**, a faculty member in the Department of Artificial Intelligence and Data Science, has been awarded the degree of Doctor of Philosophy for her research in the field of biometric security. Her thesis, titled “Face Spoofing Detection Using Deep Learning Techniques with Multiple Feature Descriptions,” addresses one of the pressing challenges in facial recognition technology—protecting

systems against spoofing attacks. The research explores the use of deep learning architectures integrated with diverse feature descriptors to enhance detection accuracy and system reliability. Her work offers a significant addition to the field of biometric security and exemplifies the role of artificial intelligence in developing intelligent countermeasures against evolving threats in identity verification.

**Prof. Harish L.** from the Department of Artificial Intelligence and Data Science has successfully completed the NPTEL online course on “Introduction to Internet of Things”. The course provided an in-depth understanding of IoT architecture, protocols, and real-world applications, showcasing his dedication to continuous learning and academic excellence.

**Elite**  
**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**HARISH L**  
for successfully completing the course  
**Introduction to Internet of Things**  
with a consolidated score of **69** %

Online Assignments	24.35/25	Proctored Exam	45/75
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Total number of candidates certified in this course:32882

Jan-Apr 2024  
(12 week course)

**Prof. Haimanti Banerji**  
Coordinator, NPTEL  
IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL24CS35S62300801 To verify the certificate

No. of credits recommended: 3 or 4

# FACULTY CERTIFICATES



**Prof. Shaik Abdul Wahab** from the Department of Artificial Intelligence and Data Science participated in a one-week Faculty Development Programme (FDP) titled “A Hands-on Session on Enhancing Cybersecurity through Digital Image Forensics.”



**Prof. Harish L.**, from the Department of Artificial Intelligence and Data Science, has successfully completed a two-week Faculty Development Programme on “Opportunities and Challenges in Entrepreneurship,” which emphasized fostering an entrepreneurial mindset.

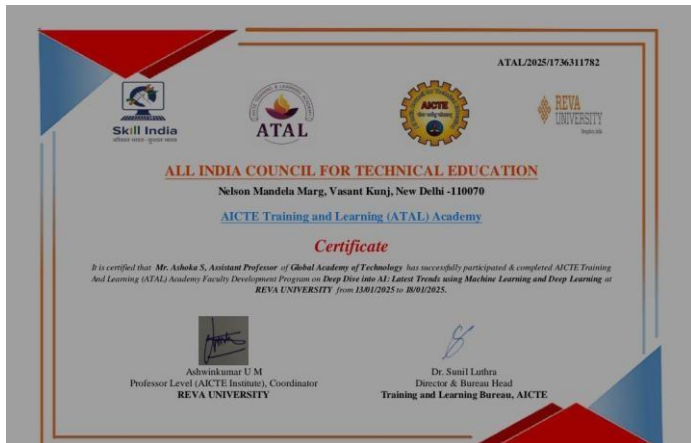
Additionally, he attended an FDP on “Documentation and Article Writing using Overleaf-LaTeX,” organized by Reva University, where he gained hands-on experience in scholarly and technical writing. These initiatives highlight his dedication to continuous learning and skill enhancement



Prof. Rohini B. R., from the Department of AI&D, has actively engaged in programs to enhance her expertise and professional network. She attended the Master Class Series under “IP Utsav” by AICTE, focusing on intellectual property rights, innovation management, and research commercialization.

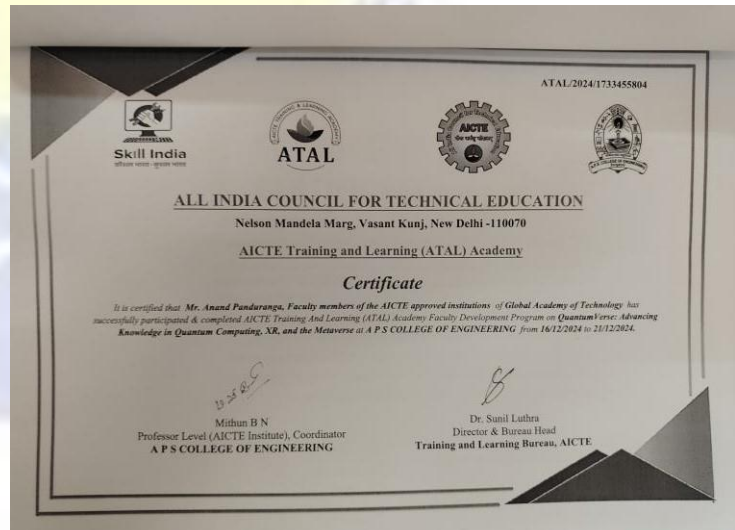


Additionally, she participated in the prestigious “Information Technology in Defence” conference, organized in collaboration with DRDO and CSIR, which explored emerging technologies and digital innovations in national security.



Prof. Ashoka S. from the Department of Artificial Intelligence and Data Science successfully completed an AICTE-ATAL Faculty Development Programme on “Deep Dive into AI: Latest Trends using Machine Learning and Deep Learning,” held at REVA University from January 13 to 18, 2025.

Prof. Anand Panduranga from the Department of Artificial Intelligence & Data Science recently participated in an AICTE-sponsored Faculty Development Program titled “Quantum Verse: Advancing Knowledge in Quantum Computing and the Metaverse.” Held at APS College of Engineering.



GLOBAL ACADEMY  
OF TECHNOLOGY

# STUDENTS ACHIEVEMENTS

## Youth Affairs Government of India

**Mohammed Mehtab Afsar**, an alumnus of the **2020–2024 batch** and a student of **Artificial Intelligence and Data Science**, proudly represented **Karnataka** at the prestigious **State Parliament Debate 2025**, held at **Parliament House, New Delhi**.

The national-level debate, organized by the **Union Ministry of Youth Affairs, Government of India**, brought together promising young minds from across the country to engage in impactful discussions on governance, youth leadership, and policy innovation.

Reflecting on the experience, Mehtab stated, *"It was an incredible opportunity to represent my state, exchange ideas with bright individuals, and grow as a socially conscious contributor to the nation. I'm truly honoured and motivated to keep making a difference."*

His participation highlights the growing role of technically skilled and socially aware youth in shaping India's future.



# Certificate of Appreciation



**Awarded to:** CQMS Harshith B N

**Occasion:** Army Day Mela 2025

**Organized by:** Karnataka and Kerala Sub Area

CQMS Harshith B N was honoured with a Certificate of Appreciation for his exceptional performance as the Emcee at the Army Day Mela 2025, a prestigious event hosted under the aegis of the Karnataka and Kerala Sub Area. His poised and engaging presence contributed significantly to the success of the celebration, which witnessed the participation of numerous dignitaries and showcased the spirit and pride of the Indian Army.

# Best Presenter Awards



## Prestigious Recognition for Research Excellence at IEEE ICIICS-2024

Anushree M and Dhanyasree H, students from AI&DS, were awarded the "Best Paper Presenter" title at the 2nd IEEE International Conference on Integrated Intelligence and Communication Systems (ICIICS-2024) for their outstanding research. Their paper, titled "Key Factor Detection for Anaemia Prediction using Fuzzy Inference Systems," was praised for its innovation and clarity.

Shriyashreshta, a student from AI & DS, received the Best Paper Presenter Award at ICISCN-2025, organized by Lingaraj Appa Engineering College in association with IEEE Bangalore Section. She presented her paper, “Prediction of AIDS/HIV Infection Using Custom Artificial Neural Network Model,” in an online session evaluated by a U.S.-based entrepreneur.



## Hackathon And Datathon Winners

### Team Oasis Secures 2nd Place at IBM Z Datathon and Participates in Technical Exchange & ISDL Visit:

Team Oasis from the Department of Artificial Intelligence and Data Science, Global Academy of Technology, were declared Runners-up at the IBM Z Datathon 2024 for their project titled “**Lake Encroachment Detection using Satellite Imagery.**” The team comprises Akshata Pandit, Dhanya Hegde, Charushila, Rachana N S, and Jhansi Prasad.



Following this achievement, the team was invited to the **IBM Technical Exchange Event**, a platform for top-performing teams and industry experts. They were also selected for a **three-month mentorship** with IBM professionals to further develop their solution.

## Students Secure 4th Place at CodeSprint Hackathon in Mangaluru:



A team from the Department of Artificial Intelligence and Data Science, Global Academy of Technology, secured 4th place at the CodeSprint Hackathon held at St. Aloysius College of Engineering, Mangaluru.

Team members **Deekshith S, Avinash D R, and Vijay M R**

impressed with their innovative solution, strong technical skills, and effective teamwork. Competing against top regional institutions, their project stood out for its originality and practical relevance. The event emphasized rapid problem-solving under real-world constraints, reflecting the department's focus on hands-on learning and industry-ready innovation.

## Most enthusiastic team in Hack-a-League, a national-level 24-hour Hackathon:

**Harshith B N, Nidhi K N, Chaitanya A M**, students from the Artificial Intelligence and Data Science Department, participated in a national-level Hackathon and were awarded with Most enthusiastic Team award with cash prize.



## Innovation Spotlight: SAP Young Startup 2.0:



Demonstrating innovation and entrepreneurial spirit, a multidisciplinary team—**Akshita K, Nikhil A, and Darshan N.**—secured **Second Place** at the **SAP Young Startup 2.0 Idea Competition.**

Their tech-driven solution impressed the jury with its originality, feasibility, and social impact, standing out among entries from institutions across the region. The achievement highlights the team's creative problem-solving and interdisciplinary collaboration on a platform that celebrates real-world innovation.

## Cultural Triumphs:

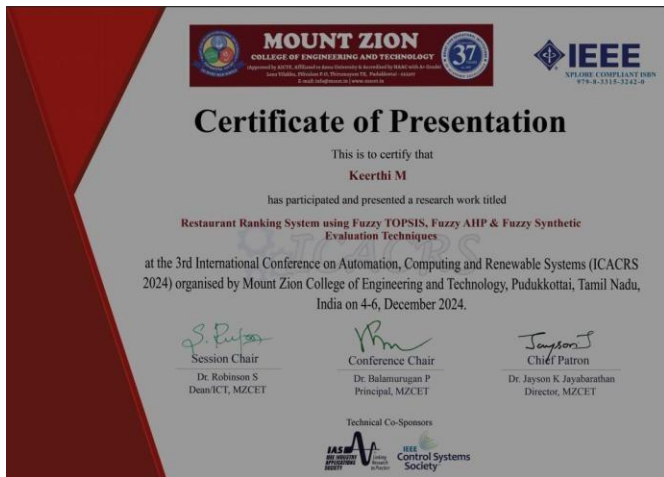


Balancing code with creativity, **Vijay M R** has showcased remarkable versatility beyond the AI & DS classroom. He secured **1st place in Mono Acting** at **Acharya Habba 2024**, impressing audiences with his emotional depth and stage presence. As part of the **GAT cultural team** at the **VTU State-Level Cultural Fest**, he contributed to: **1st place in Mime** and **3rd place in One Act Play.**

Vijay also earned **Runner-up in Debate** at **St. Joseph's College of Commerce**, demonstrating sharp thinking and articulate expression. His achievements highlight artistic passion—proving creativity and logic can thrive side by side.



# PAPERS PUBLISHED:



Keerthi M



Dhanalakshmi G



Sahana G



Sumukha K

## ARTS AND ARTICLES:



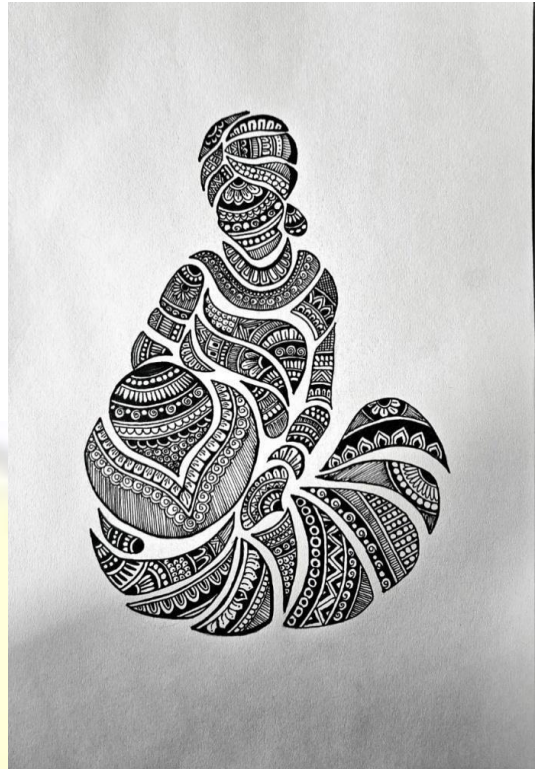
~PRATHIKSHA S



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~SPANDANA G



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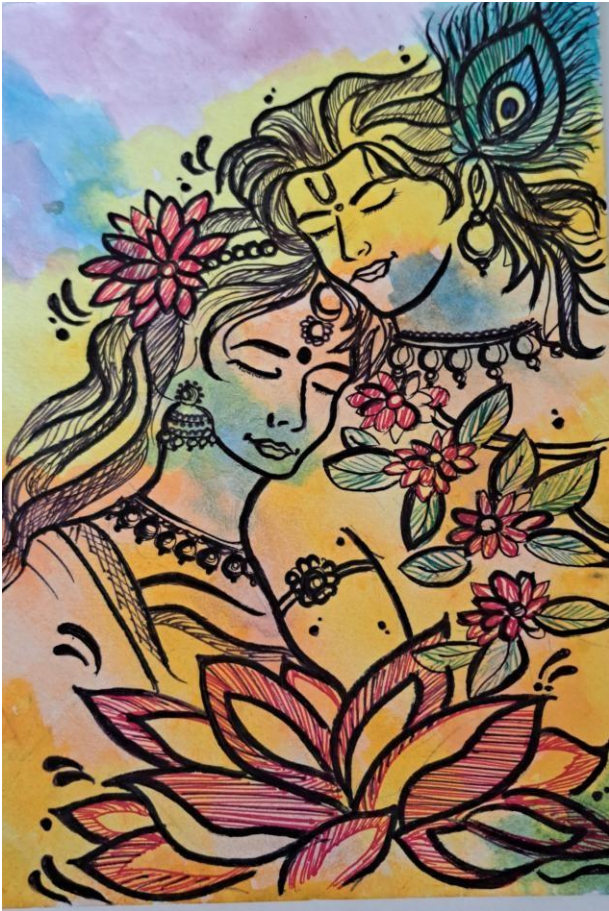


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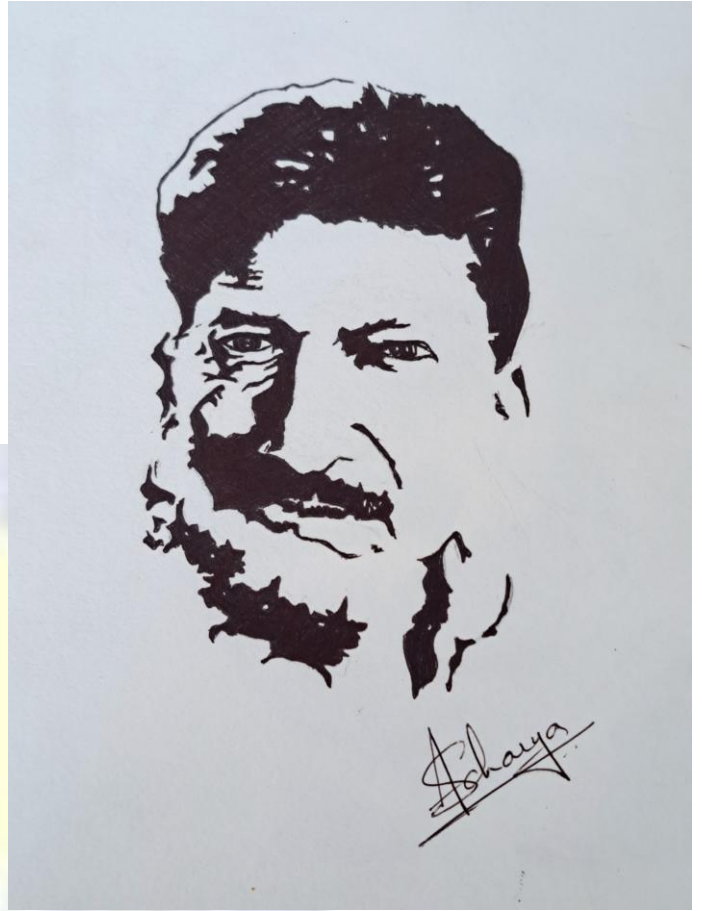


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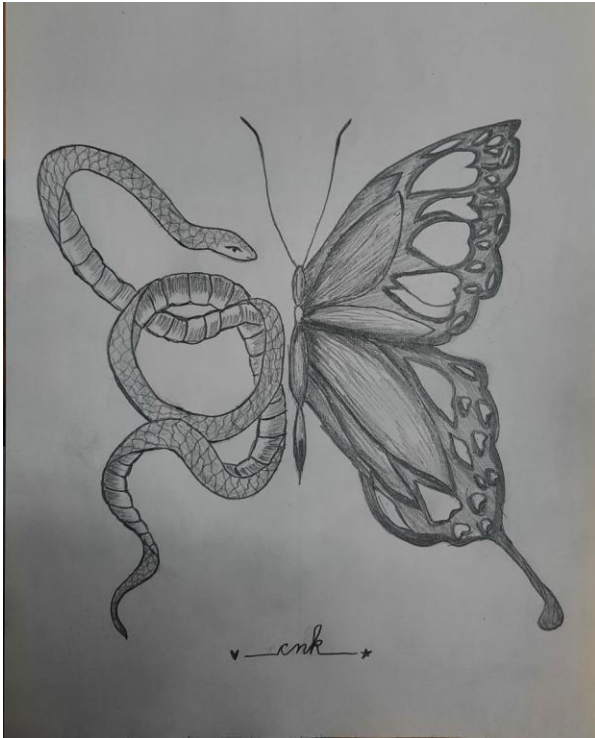


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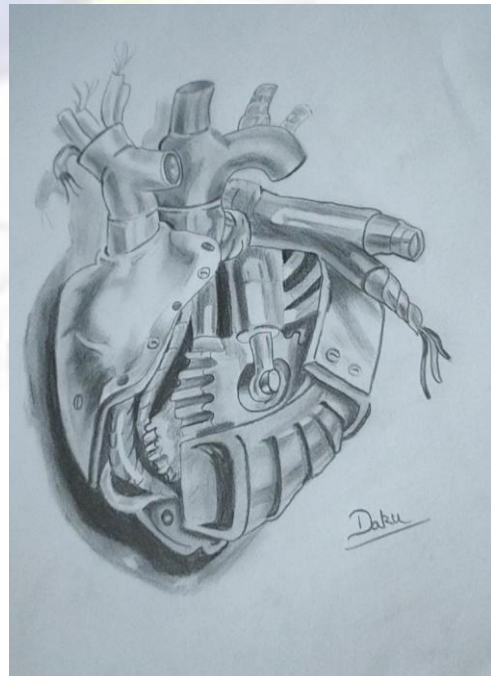
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