

AIKYAM 2.0

KNOWLEDGE IN HARMONY, EXCELLENCE IN UNITY



MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE
2025-26

COMPUTER SCIENCE AND BUSINESS SYSTEMS



The Department of Computer Science and Business Systems at Maharaja Institute of Technology, Mysore was established in 2022 with the aim of providing students with a strong foundation in both computer science and business knowledge. The department currently has three batches of students with a total intake of 165. The program is designed to help students understand how technology and business work together in today's fast-changing world.

The department functions under the umbrella of the Department of Computer Science and Engineering and is supported by a team of dedicated faculty members who focus on quality teaching and continuous learning. Through a balanced approach of academic learning and practical exposure, the department encourages students to develop technical skills, analytical thinking, and an understanding of business concepts that will help them grow and contribute to the evolving digital and business landscape.

Vision

"We seek to be a leading Computer Science and Business Management recognized for excellence in education and innovation to develop competitive business leaders and entrepreneurs, who are committed to superiority".

Mission

Developing a technology driven dynamic pedagogy that is relevant to today's businesses by adopting outcome based approaches.

To generate a talent pool of future leaders who are technologically and analytically bright, and socially sensitive.

Create a long-lasting network of esteemed academics and distinguished experts from the business and social sectors.

ADVISORY TEAM



**PRINCIPAL, MITM
FOUNDER PRESIDENT OF MET®**

Dr. Murali S

As Principal, I encourage students to remain curious, open to new ideas, and committed to continuous learning. Each new concept explored adds to your knowledge and builds confidence for the future.

I wish all students of the Department of CSBS success in their journey as innovators, leaders, and lifelong learners who contribute with wisdom and purpose.

Dr. Naresh Kumar B G

Inspirational truth goes beyond borders and boundaries. It is a bridge to understand the world and our purpose in it. I look forward in seeing our students gain the knowledge and develop the great academic capabilities that will allow them to build bridges of their own across the world to connect people.



PRESIDENT, MITM



**DEAN,
MET (R), MYSURU**

Dr. T. Vasudev

Student success is built on consistent effort, discipline, and the right attitude. Every assignment, project, or presentation is a step toward future achievements. Creativity, problem-solving, and the ability to learn from mistakes are as important as technical expertise.

From the HOD's Desk



The Department of Computer Science and Business Systems (CSBS) was established to prepare students for a world where technology and business go hand in hand. Our curriculum blends computer science fundamentals—programming, data structures, AI, and data analytics—with key business subjects, ensuring graduates are both technically skilled and business-aware.

Learning extends beyond classrooms through workshops, coding contests, seminars, and internships that build teamwork, problem-solving, and innovation. As Steve Jobs said, “Innovation distinguishes between a leader and a follower.”

Along with technical expertise, we emphasize discipline, values, communication, and leadership. Students are encouraged to take initiative, engage in projects, and pursue research. Faculty members guide them to develop not only knowledge but also perseverance, humility, and integrity, echoing Dr. A.P.J. Abdul Kalam’s words: “Excellence is a continuous process and not an accident.”

We urge our students to embrace curiosity, seize opportunities, and couple knowledge with vision and determination to create successful careers and meaningful lives.

The Academic Pillars of the Dept. of CS & BS



The Department of Computer Science and Business Systems takes great pride in its dedicated faculty members who form the academic backbone of the department. With their extensive knowledge, experience, and commitment to excellence, we continuously strive to create an environment that nurtures learning, innovation, and intellectual growth. Through their expertise in teaching, research, and mentorship, we guide students in developing strong technical foundations while also cultivating critical thinking, problem-solving abilities, and professional values.

We believe that education goes beyond the classroom, and our faculty play a vital role in shaping the academic and professional journeys of our students. By encouraging curiosity, fostering collaboration, and promoting practical learning experiences, we ensure that students are well prepared to meet the evolving demands of technology and industry. The Department of Computer Science and Business Systems remains committed to academic excellence, and we acknowledge the invaluable contributions of our faculty in building a strong and progressive academic community.

Department Log

CodeVault

Innovation Beyond Limits

As part of our commitment to encouraging innovation and practical learning, we at the Department of Computer Science and Business Systems, MIT Mysore, successfully organized CodeVault, a 24-hour hackathon held on 19th and 20th September 2025 at MIT Mysore. The event was conducted under the theme “Shaping Tomorrow’s World Through Intelligent Innovation”, focusing on the domain of Artificial Intelligence. The hackathon aimed to provide students with a platform to transform creative ideas into impactful technological solutions while promoting collaboration, critical thinking, and innovation.

CodeVault was supported by the Institution’s Innovation Council (IIC), Tata Consultancy Services (TCS), and the Karnataka Digital Economy Mission (KDEM). With a prize pool of ₹50,000, the event attracted enthusiastic participation from students representing numerous colleges across Karnataka. Participants worked in teams for 24 hours, brainstorming ideas, developing prototypes, and building innovative AI-powered solutions to address real-world challenges.

Throughout the event, we witnessed a vibrant atmosphere of creativity, teamwork, and technical exploration. The hackathon provided an excellent opportunity for young innovators to collaborate with talented peers, exchange ideas, and showcase their technical skills in a competitive yet inspiring environment.



The successful execution of CodeVault was made possible through the collective efforts of our department, faculty members, student coordinators, an dedicated volunteers, who worked tirelessly to ensure the smooth conduct of the event. Their dedication and coordination played a significant role in making the hackathon a remarkable success.

Through initiatives like CodeVault, we continue to promote a culture of innovation and technological excellence, encouraging students to explore emerging technologies and contribute towards building intelligent solutions for the future.

Techtatva 2025

Beyond Logic Lies Tatva

We at the Department of Computer Science and Business Systems, MIT Mysore, in collaboration with the Department of Artificial Intelligence, successfully organized Techtatva 2025 – Beyond Logic Lies Tatva, a national-level technical competition that brought together innovation, research, and creativity from students across the country.

The event featured three major categories: Project Presentation, Paper Presentation, and Poster Presentation, providing a comprehensive platform for participants to showcase their ideas and technical expertise. For the Project Presentation, participants submitted an abstract along with a demo video and presented their working models. The Paper Presentation required participants to submit their research papers in IEEE format, followed by a detailed presentation. In the Poster Presentation, participants presented their ideas through creative posters supported by an abstract submission.

The competition was open to UG and PG students from the Computer Science domain, and it witnessed enthusiastic participation from students representing various colleges across India. The diversity of ideas and the quality of presentations reflected the growing interest in research and innovation among students at a national level.

The event was supported by a prize pool of ₹1,00,000+ along with goodies and rewards, which encouraged participants to present their best work. Winners from different institutions were recognized and awarded across all categories, making the competition both competitive and rewarding.

Through Techtatva 2025, we created a platform that promoted innovation, research, and knowledge sharing beyond institutional boundaries. The event stands as a testament to our department's commitment to fostering technical excellence and providing opportunities for students to engage, learn, and grow at a national level.



Placement Activity

Full Stack Training

We at the Department of Computer Science and Business Systems, MIT Mysore, organized a Placement Activity for our third-year students prior to the commencement of their 6th semester, focusing on building industry-relevant technical skills.

The activity included a four-week Full Stack Java training program, conducted in collaboration with Ethnotech Academy under the guidance of Mr. Saran Velmurugan. Students were introduced to Java fundamentals, frontend, backend, and database concepts, gaining practical exposure to web development.

The program concluded with a Webathon, where students formed teams and developed a department website, applying their learning in a real-time scenario. The event ended with prizes for the winning teams, making the activity both competitive and rewarding.



Through this initiative, we enhanced our students' technical confidence and preparedness for upcoming placement opportunities.

MITM Mega Placement Drive

Opportunities for Career Growth

We at the Department of Computer Science and Business Systems, MIT Mysore, actively participated in the MITM Mega Placement Drive organized for our final-year students, providing them with valuable opportunities to begin their professional careers.

The drive witnessed the participation of several technical and non-technical companies, including Turtlemint Insurance Pvt. Ltd., Wizzybox, Savahn Tech, and many more, offering diverse roles across different domains. Our students enthusiastically took part in the recruitment process, appearing for various rounds of interviews and assessments.



We take pride in the participation and performance of our students, and such initiatives continue to strengthen our commitment to guiding them towards successful career paths.

Food Walk

A Creative Culinary Experience

We at the Department of Computer Science and Business Systems, MIT Mysore, organized “Food Walk With Us” for our second-year students as part of the Social Connect and Responsibility initiative. The activity was designed to encourage creativity, teamwork, and practical understanding of business concepts among our students.

Students participated in teams and prepared a variety of dishes through a “Cooking Without Fire” concept. The event was not only about food preparation but also about understanding the marketing and presentation, so as to reflect the interdisciplinary nature of the Business Systems program.

Each team thoughtfully planned how to price, present, and market their dishes, preparing menus, charts, and display boards to showcase their ideas. Many teams also focused on creating nutritious and innovative dishes, highlighting both creativity and awareness of healthy food choices.

The preparation time was scheduled from 9:30 AM to 11:30 AM, after which the teams presented their dishes to the judges from different departments. The room was filled with excitement as students enthusiastically prepared and arranged their dishes. Their creativity, presentation, and marketing strategies impressed the judges, and several dishes stood out for their unique concepts and flavors.

With the guidance of our faculty members and senior students, the event turned out to be a lively and engaging experience, allowing students to explore their creativity while learning valuable lessons in teamwork, presentation, and entrepreneurship.

Through this activity, we were delighted to see our students combine innovation, teamwork, and basic business strategies, making the event both enjoyable and educational for everyone involved.



Ad-Mad Show

From Ideas to Iconic Ads



We at the Department of Computer Science and Business Systems, MIT Mysore, organized an engaging and creative Ad-Mad Activity, where our second-year and third-year students actively participated with great enthusiasm. The event was conducted as part of academic learning, integrating concepts from Marketing Research and Marketing Management for third-year students and Financial Management for second-year students, providing a practical platform to apply theoretical knowledge.

Students participated class-wise and formed teams, with each of the four teams selecting a product to present. The objective was to design and perform a creative advertisement in the form of a skit, effectively conveying the features and appeal of the chosen product. The activity encouraged students to think beyond conventional methods and explore innovative ways of marketing through storytelling and performance.

Each team curated a well-structured skit that combined creativity, humor, emotions, and storytelling, making the presentations both informative and entertaining. The performances reflected the students' abilities in scriptwriting, direction, acting, and communication, as they effectively conveyed their product concepts to the audience. The variety of ideas and the originality in execution made each performance unique and engaging.

We take great pride in the way our students contributed to making this event a grand success. The Ad-Mad Activity not only highlighted their talent and creativity but also reinforced our department's commitment to fostering innovation, confidence, and holistic development among our students.

Talent's Day

Where Talent Found Its Moment

We at the Department of Computer Science and Business Systems, MIT Mysore, organized Talent's Day for our second-year students, creating a platform for every student to express their individuality and showcase their unique abilities beyond academics. The event was designed to encourage students to step forward with confidence and share their talents in a supportive and lively environment.

Students enthusiastically participated in a wide range of performances, including singing, dance, drawing, painting, crochet, stand-up comedy, and many other creative expressions. Each performance reflected the diverse talents present within the classroom, highlighting not only artistic skills but also confidence, creativity, and passion.



Through Talent's Day, we were delighted to witness the confidence and creativity of our students, making the event a joyful and memorable experience. The enthusiasm and participation shown by the students truly reflected the vibrant and dynamic spirit of our department.

Mock Interview Session

Moments That Build Confidence



We at the Department of Computer Science and Business Systems, MIT Mysore, conducted a Mock Interview Session for our third-year students as part of the subject Fundamentals of Management, with the objective of preparing them for real-world recruitment processes.

The class was divided into two groups, where one team took on the role of interviewers and the other as interviewees. The interviewers posed a variety of questions related to technical knowledge, problem-solving, and general aptitude, while the interviewees responded with confidence and clarity. The roles were reversed, giving every student an opportunity to experience both perspectives of the interview.

The session provided valuable exposure to the structure and expectations of professional interviews, helping students improve their communication skills and critical thinking. Through this interactive activity, we enabled our students to better understand the dynamics of interviews and prepare themselves effectively for future career opportunities.

Dasara Golu (Doll Exhibition)

Celebrating Culture and Tradition

We at the Department of Computer Science and Business Systems, MIT Mysore, celebrated the vibrant spirit of Mysuru Dasara by organizing a beautiful Dasara Golu (Doll Exhibition) on 29th September within our department. Mysuru Dasara is widely known for its cultural richness and festive grandeur, and through this celebration we brought that traditional spirit into our department, creating a warm and festive atmosphere for our students and faculty.

The event was organized by our fourth-year students, with enthusiastic support from our third-year and second-year students. Together, we transformed our department space into a colorful and culturally rich setting. The highlight of the celebration was the multi-tier Golu display, where our students arranged a wide collection of traditional dolls brought from their homes. These dolls represented various mythological characters, cultural scenes, and traditional representations that are commonly displayed during the Dasara Golu tradition.



Our students also participated in the celebration wearing traditional attire, which further enhanced the festive spirit of the occasion. The entire setup reflected the creativity, teamwork, and dedication of our students who worked together to recreate the warmth of a traditional home celebration within our department. The colorful dolls, thoughtful decorations, and cultural elements made the exhibition visually delightful and engaging for everyone who visited.

The Dasara Golu celebration became a memorable occasion for the Department of Computer Science and Business Systems, reminding us that while we continue to pursue academic excellence, we also value the cultural traditions that strengthen our sense of community and shared heritage.



Freshers' Party 2025

From New Faces to One Family



We at the Department of Computer Science and Business Systems, MIT Mysore, warmly welcomed our second-year students with Freshers' Party 2025, held on 13th October 2025 at Elifas Resto Pub, Mysore. The event was organized by our third-year students, who thoughtfully planned the celebration to welcome the juniors into the department and help them begin their journey with enthusiasm and a sense of belonging.

The event began around 9:30 AM, where we welcomed our juniors with specially prepared invitations and a lively welcome dance performance by the third-year students. The program then continued with singing performances and interactive activities that created a cheerful and engaging atmosphere. One of the highlights of the event was the ramp walk session, where our juniors confidently showcased their style and personality. The segment was enjoyed by everyone, and titles such as Mr. Fresher, Miss Fresher, and Best Dressed were awarded.

A melodious song performed by one of the juniors received special appreciation. Our third-year students also presented performances, adding energy and excitement to the celebration.

After the performances, lunch was arranged for all the students, followed by a few fun and interactive games that filled the atmosphere with laughter and enthusiasm. The celebration concluded with an energetic DJ session, where students and faculty members came together on the dance floor and enjoyed the moment together.

The event was successfully organized with the dedicated efforts of our student coordinators and organizing team, who carefully managed every aspect of the celebration. Through events like these, we continue to strengthen the bond between seniors and juniors while creating a welcoming and joyful environment within our department.

Christmas Celebration

Spreading Joy and Togetherness

We at the Department of Computer Science and Business Systems, MIT Mysore, celebrated Christmas with great enthusiasm and festive spirit, creating a joyful and memorable experience for our students and faculty. The celebration was organized by our faculty members along with our second-year students, who beautifully transformed the department space into a vibrant festive setting.

The venue was decorated with Christmas-themed elements, including streamers, lights, and a festive backdrop that added warmth and cheer to the atmosphere. Students and faculty actively participated in the celebration, many of them wearing Santa caps and traditional attire, which brought a lively and colorful vibe.

The celebration was marked by togetherness and happiness, as students



and faculty gathered to share the festive spirit. The event provided a refreshing break from academics, allowing everyone to interact, celebrate, and create joyful memories within the department. The presence of both students and faculty in the celebration highlighted the strong sense of community and bonding within our department.

Senior-Junior Interaction

We at the Department of Computer Science and Business Systems, MIT Mysore, organized an interaction session between our final-year and second-year students, creating a platform for knowledge sharing and meaningful guidance. The session was designed to bridge the gap between juniors and seniors, helping students learn from real experiences within the department.

During the interaction, our final-year students shared their academic journey, project experiences, and placement preparation strategies, offering valuable insights to their juniors. They discussed important aspects such as skill development, time management, and how to approach opportunities effectively, helping the second-year students gain clarity.



The session was highly interactive, with juniors actively engaging, asking questions, and gaining practical advice from their seniors. Through this initiative, we fostered a supportive learning environment where students could learn from one another, making it a beneficial and enriching experience for everyone involved.

Ganakayanthrotsava 2025

Celebrating Spirit, Culture, and Victory

We at the Department of Computer Science and Business Systems, MIT Mysore, enthusiastically participated in Ganakayanthrotsava, organized by the college as part of Kannada Rajyotsava celebrations. The event brought together all departments through a series of cultural and sports activities, creating a vibrant platform for students and faculty to showcase their talents and team spirit.

Our department actively took part in a variety of cultural events, including dance, group singing, and solo performances, where our students displayed remarkable energy and creativity. Alongside this, we also participated in several sports events such as throwball for girls, cricket for boys, football for boys, and tug of war for both boys and girls. What made the event even more special was the formation of teams that included both faculty members and students from all years, reflecting strong unity and collaboration within our department.

The enthusiasm and dedication of our participants led to outstanding achievements. Our girls' throwball team emerged as winners, showcasing excellent teamwork and determination, while our cricket team secured the position of first runner-up, demonstrating commendable performance and sportsmanship.

Adding to these accomplishments, we proudly secured the Overall Runner-Up Trophy, which stands as a significant achievement for our department. This recognition reflected the collective effort, active participation, and strong team spirit displayed by both our students and faculty members across all events.

The celebration of this achievement was filled with joy and excitement, as the entire department came together to mark this proud moment. The event also created memorable experiences, with students and faculty celebrating together, even joining in dance and festivities, making it a truly lively and unifying occasion.

Through our participation in Ganakayanthrotsava, we not only showcased our talents in cultural and sports activities but also strengthened the bond within our department. We take great pride in this achievement and remain committed to encouraging active participation, teamwork, and excellence in all such opportunities.



Student Achievements



Academic Achievers – Semester VII



RACHANA G B
4MH22CBO40
SGPA: 9.41
CGPA: 9.26



HAMSHASHREE Y K
4MH22CBO18
SGPA: 9.25
CGPA: 9.01



KUSUMA
4MH22CBO23
SGPA: 9.20
CGPA: 8.9



PRAKRUTHI M K
4MH22CBO37
SGPA: 9.08
CGPA: 9.18

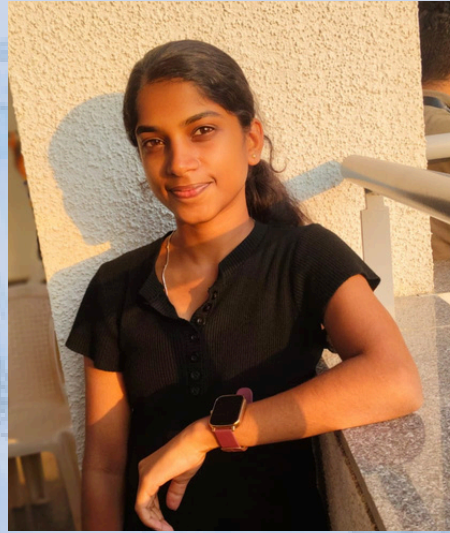


KARTHIK K
4MH22CBO21
SGPA: 9.08
CGPA: 8.97

Academic Achievers – Semester V



LIKHITHA D H
4MH23CBO22
SGPA: 9.68



KHUSHI K N
4MH23CBO18
SGPA: 9.68



SUMUKH R
4MH23CBO42
SGPA: 9.40



SRIVIDYA G M
4MH23CBO41
SGPA: 9.40



HARSHITHA S
4MH23CBO14
SGPA: 9.27



SHAMBHAVI M S
4MH23CBO36
SGPA: 9.27



State level ISTE UI/UX design Winner's in Yenepoya Institute of Technology Moodbidri

We are proud to share that our students Manvith Y and Sumukha Sharma K of 3rd year secured 1st Prize at the 21st Karnataka State Level ISTE Student Convention 2025 in the UI/UX Design Competition, marking a remarkable achievement at the state level.

Their winning project, titled "Synapse City – The Living Map of Digital Life," was developed using Figma and focused on creating a clean, intuitive, and user-centric digital experience. The project stood out for its innovative concept, structured design approach, and effective visual communication, reflecting their strong understanding of user experience and interface design.

According to the students, this achievement was not just about winning but also about the learning

and growth they experienced throughout the process. They emphasized how working on the project helped them strengthen their skills in UI/UX design, design thinking, prototyping, and teamwork, while also improving their ability to transform ideas into meaningful digital solutions.

They expressed that collaborating, exchanging ideas, and refining their concept played a crucial role in shaping the final outcome.

Winning this prestigious competition along with a cash prize stands as a testament to their dedication, creativity, and continuous effort. We take immense pride in their accomplishment and appreciate their contribution in bringing recognition through their talent and hard work.



Smokit: Award-Winning Food Delivery Application – Top 10 Project

We are proud to share that the project “Smokit – Food Delivery Application”, developed by Sumukh R (Team Head), Srividya G M, and Nimisha E, was recognized among the Top 10 projects out of 100+ presentations during the Phase-1 Project Presentation of the 30-day Full Stack Java Development Program conducted by Ethnotech Academy.

“Smokit” is a modern web-based food delivery application inspired by platforms such as Zomato and Swiggy. The application includes key features like user authentication, restaurant browsing, smart cart and checkout system, and order tracking, all designed with a responsive and user-friendly interface. The project stood out for its practical approach, well-structured design, and real-world applicability.

The team received special appreciation from the Project Manager of Ethnotech Academy for their innovative concept, intuitive user interface, and effective implementation. This recognition highlights the team’s ability to apply their technical knowledge to develop meaningful and industry-relevant solutions.

The team expressed that this achievement was a valuable learning experience, helping them strengthen their skills in full stack development, problem-solving, teamwork, and application design. They also acknowledged the importance of continuous guidance and collaborative effort in successfully completing the project.



TechTatva 2025 poster presentation Winners

We are proud to share that Guru and Siddique of 4th year emerged as winners in the Poster Presentation event at TechTatva 2025, showcasing their ability to effectively communicate innovative ideas.

Their poster was based on a real-time issue, reflecting a strong understanding of practical challenges and the importance of presenting solutions in a clear and impactful manner. The team presented their work confidently before the judges, impressing them with their clarity of thought, presentation skills, and well-structured content.

Through this experience, they gained valuable insights into visual communication, idea representation, and audience engagement, learning how to convey complex concepts in a simple and meaningful way. Their achievement highlights the importance of combining creativity with real-world relevance.

We take great pride in their accomplishment and appreciate their efforts in representing their ideas effectively, setting an example for others to use innovation as a tool to create meaningful change.

Ethnotech Achievers

We are proud to share that Sanjay G and Kiran Kumar of 3rd year emerged as winners in the Webathon organized by Ethnotech, securing a cash prize for their outstanding performance.

Their achievement highlights their strong technical skills, creativity, and teamwork, as they successfully developed effective web-based solutions in a competitive setting. Their ability to approach problems with innovative thinking and deliver quality results within a limited timeframe played a key role in their success.

We congratulate them on this achievement and take pride in their accomplishment, which reflects the growing technical excellence and competitive spirit among our students.



We are proud to share that Thilak B M and Varun Kumar A of 3rd year were awarded a memento for their performance in a Webathon organized by Ethnotech.

Their achievement reflects strong creativity, problem-solving skills, and teamwork, as they effectively developed web-based solutions in a competitive environment. The students expressed that this recognition represents their learning, growth, and passion for building impactful applications.

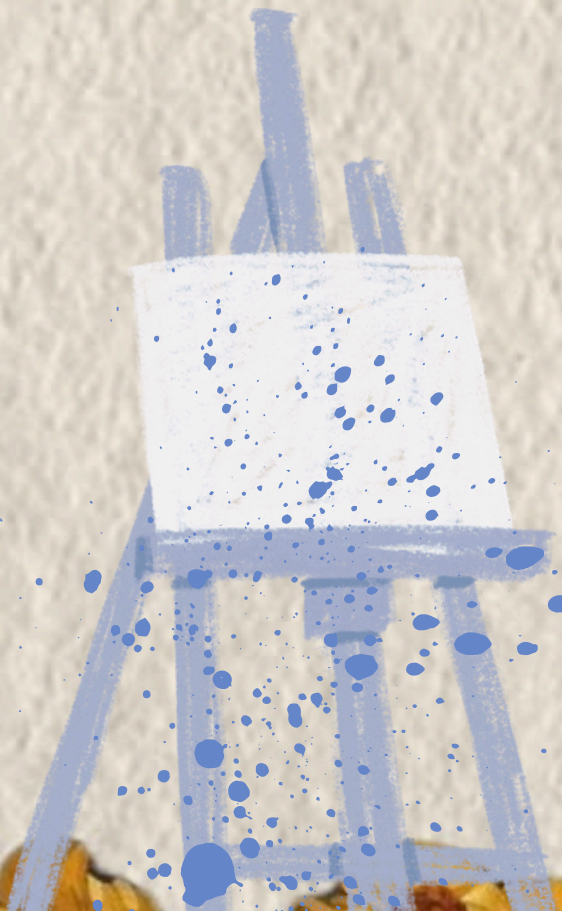
We appreciate their efforts and take pride in this accomplishment, which inspires continued innovation and excellence.





ART

Creativity Beyond the Curriculum





Likhitha D H
4MH23CBO22



Pencil Lead Carving

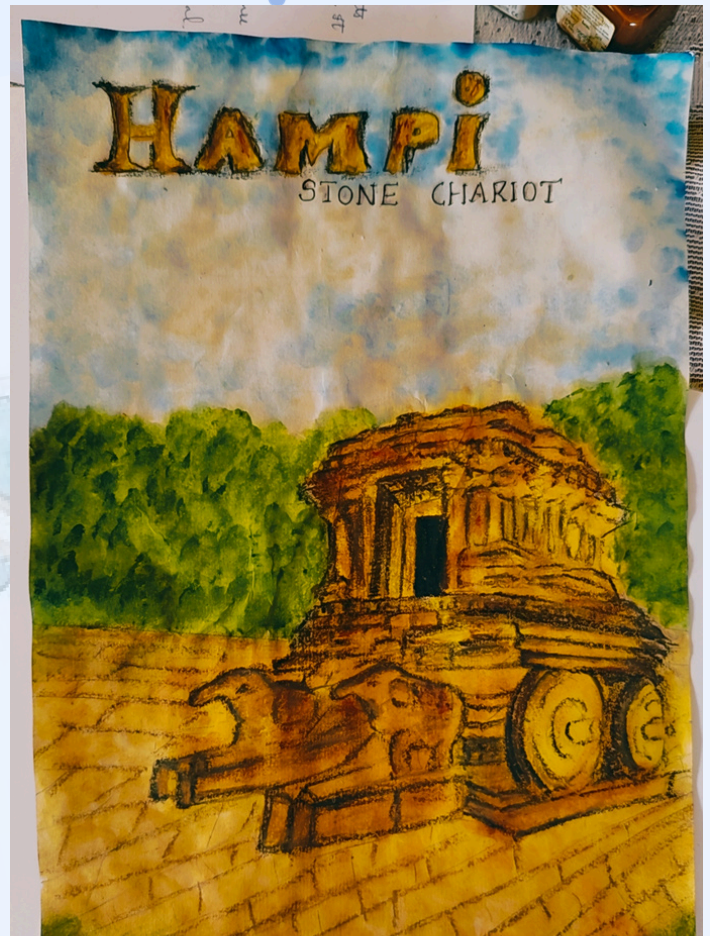


Lakshminarayana J
4MH23CB020



Painting and Sketching

The painting depicts the iconic Stone Chariot of Hampi, a famous Vijayanagara Empire monument in Karnataka, India.

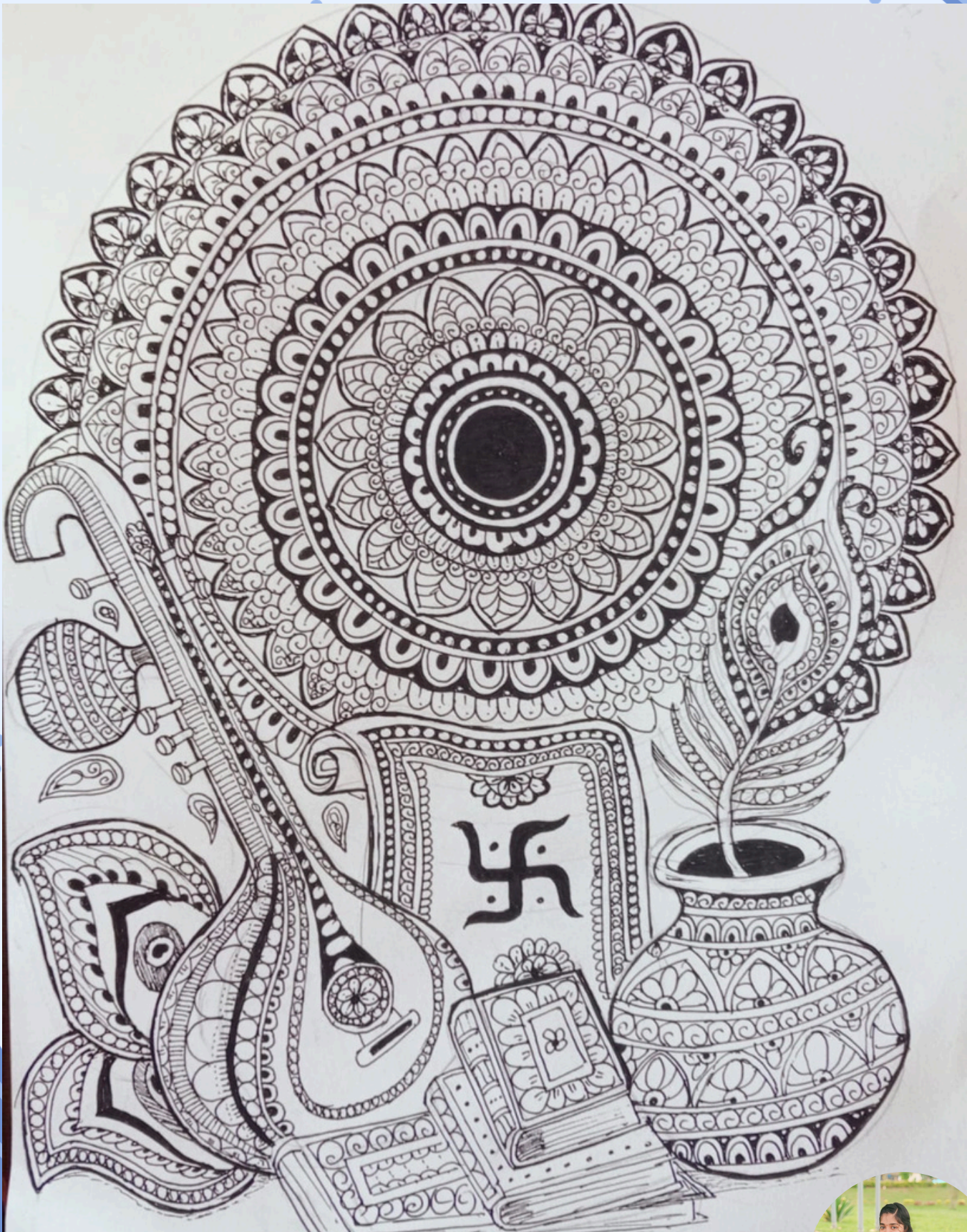


A serene pencil sketch of Krishna, symbolizing peace, devotion, and divine beauty. The closed eyes reflect inner calm, while the graceful peacock feather adds a touch of color and spirituality, blending art with nature's elegance.

K J Mokshitha
4MH24CBO16



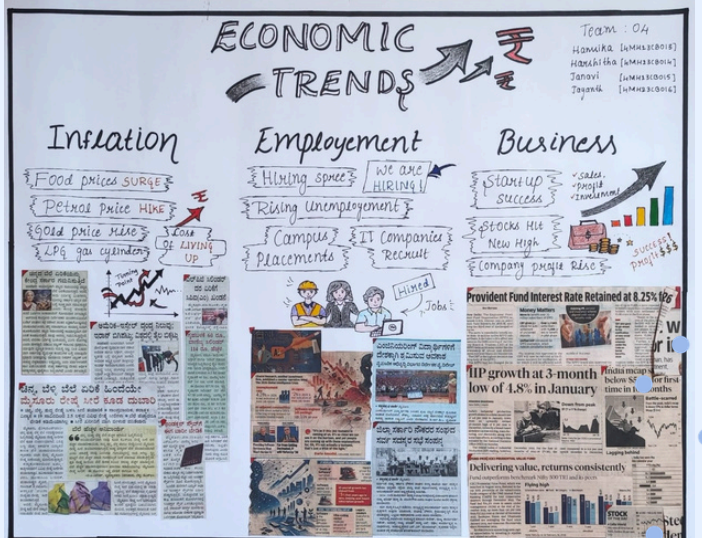
Mandala



Poorvika S Mahendrakar
4MH23CB031



Cut, Paste, Create



Chocolate Indulgence



A delicious homemade chocolate cake, lovingly baked by me. Soft, moist, and deeply chocolatey, this cake has a smooth, glossy top with a perfectly baked texture. Lightly sprinkled with crunchy crumbs, it adds a delightful contrast to every bite. Baking cakes is something I truly enjoy in my free time, and this creation reflects my passion and love for it.

Drushya.M.S
4MH24CB009



Color Carnival

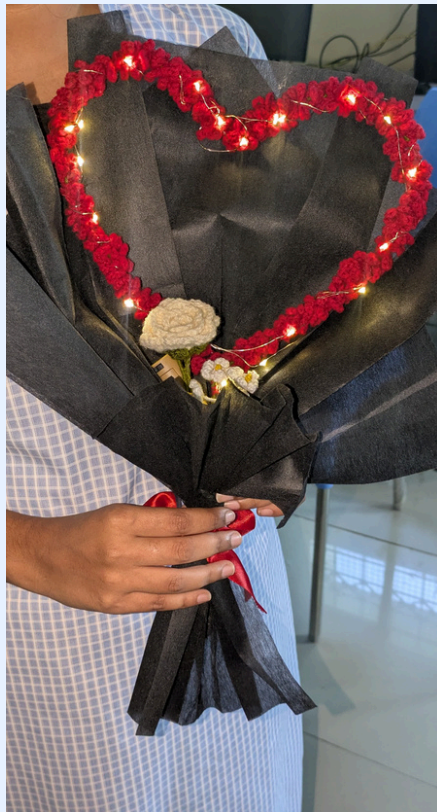


Lekhana G
4MH23CB021

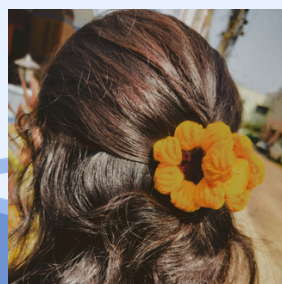
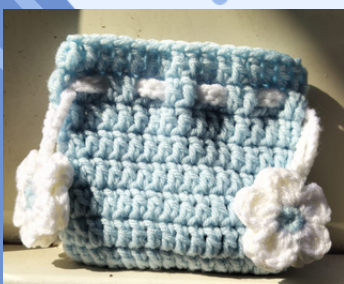
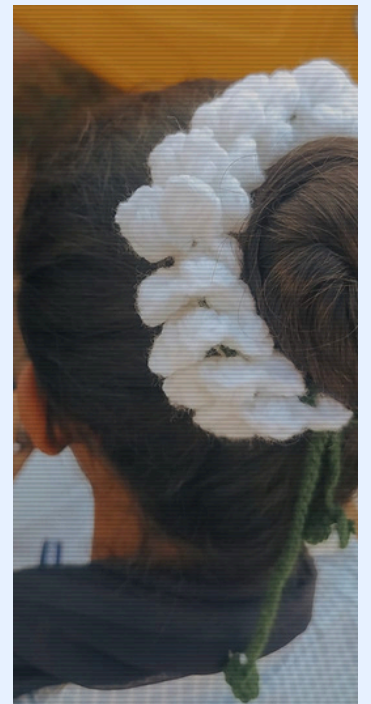
ದೀಪಾವಳಿ ಬೆಳಕು - Circle of Light



Crochet



Anvitha Yuktha
4MH23CB004

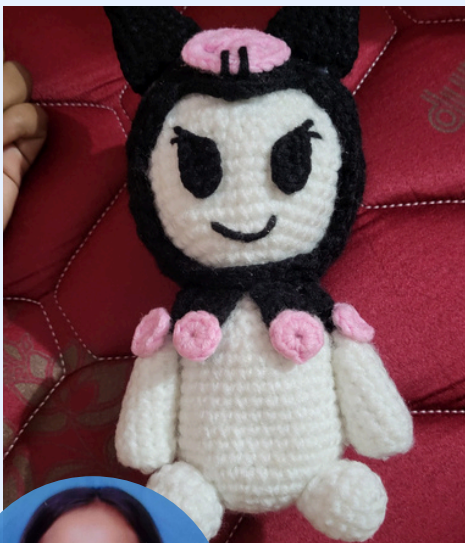


Likhitha D H
4MH23CBO22



Crochet

Crochet is something I really enjoy because it lets me create things from scratch using just yarn and a hook. I like turning simple materials into something meaningful, whether it's dolls, flowers, or small accessories. I'm also very much a gift-giving person, so a lot of the things I make are for people I care about. It feels special to give something handmade because it shows time, effort, and thought. For me, crochet is not just a hobby, it's a way to be creative and make things that can bring a little happiness to others.



Vidipta Yuvaraj D
4MH24CBO43



Department of CSBS
ENGINEERING IN HEALTHCARE

ADVANCED PROSTHETICS
REAL-WORLD: Mind-controlled bionic limbs for enhanced mobility

BIOMATERIALS & REGENERATIVE MEDICINE
REAL-WORLD: 3D-printed organs, tissue repair scaffolds

MEDICAL IMAGING & MONITORING
REAL-WORLD: AI-powered disease detection, remote patient monitoring

RESEARCH & DEVELOPMENT HUB
REAL-WORLD: New therapeutic drug discovery, medical device innovation

Mysuru: Designing the Future of Healthcare for India and the World

MAHARAJA INSTITUTE OF TECHNOLOGY THALIDAVAPURA
DEPARTMENT OF ECE

NIGHT PATROLING ROBOT

PROBLEM STATEMENT
During nighttime, areas such as streets, hotels, campuses, parking areas, and public spaces become unsafe for women due to low visibility and lack of continuous security. Human security personnel cannot monitor all areas continuously. Therefore, an automatic monitoring system is required that can detect threats, record suspicious activity, and instantly alert nearby people.

Main Controllers
1. Arduino Uno Main controller that reads sensors and controls motors
2. ESP32 CAM Captures video images during suspicious activity

ROBOASTRA

Objectives

- To develop an autonomous robot that patrols automatically without human control
- To improve women safety during night by monitoring surroundings continuously
- To detect sound, motion, gas leak and alert immediately
- To record evidence using ESP32 CAM for security monitoring
- To alert using buzzer and LED when unusual activity is detected
- To patrol effectively in dark using headlights and LDR sensing

BY: CHINIDAI KUMAR M S

DEPARTMENT OF CS-BS
IOT FOR SMART LIVING

SECURITY SYSTEM
Home automation provides the luxury of keeping tabs on home at all times.
Alarm: Windows doors will be activated when a break in either could be in progress sends a statement to someone.
Motion: Motion detection security systems sense an intruder and sends an alert to your phone.
Smartmeter: Smart electric meters collect and send energy monitoring and remote control for efficient power management.

IOT CONTROL
AnyTime, anywhere, with almost any device.
Smart: HVAC: This system allow demand control by improving the system is cooling/heating and ventilation needs.
Water: Smart Water features bring about better energy, saving with better control over the heating schedule and water temperature selection.
Security: Smart and integrated wireless security systems centralized all your alerts and monitoring in one place.

3 BENEFITS OF IOT SMART LIVING
1. Cost and energy savings.
2. Improved appliances functionality.
3. Remote control of home functions.

BY: SUMUKH R, MANVITH Y, LAKSHITHA DH

MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE
DESIGN X
ENTREPRENEURSHIP

"THE PROCESS OF CREATING, DEVELOPING, AND SCALING INNOVATIVE IDEAS INTO SUCCESSFUL VENTURES THAT SOLVE REAL-WORLD PROBLEMS."

PROBLEM:- The Entrepreneurial "Idea-to-Market" Gap

AI-Powered validation & Acceleration
The Hub provides proprietary tools (eg. ML trend analysis, NLP for team optimization, Gen AI for rapid prototyping) to ensure every step is validated by real time data.

AI - POWERED INNOVATION HUB

The Problem & Vision
>Problem: Market Gaps & Inefficient Decision
>Vision: AI Driven Solutions for Growth
>Pilot Results & Impact
>Pilot Project: E-commerce Personalization AI
>Impact: Increase in Conversion

Methodology: AI in Action
>ML for Market Trend forecasting provides customer insights
>Automation for Operational Efficiency
>The Future & Call to Action
>Next Steps: Expand AI Integrations, Seek Seed Funding

Encourage Government & Institutional Support
Spread awareness about Startup India, MSME schemes, and Atal Innovation Mission for Entrepreneurs.

BY: LAKSHITHA D H, MANVITH Y, JYOTI K, KIRAN K N

MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE
DEPARTMENT OF CSE-AI

SMART TOURIST SAFETY MONITORING AND INCIDENT RESPONSE SYSTEM

Let's Explore

THE PROBLEM: LACK OF REAL-TIME TRACKING FOR TOURISTS IN REMOTE AREAS, DELAYED EMERGENCY RESPONSE, AND SECURITY GAPS IN HIGH-TRAFFIC ZONES

OBJECTIVE: TO CREATE A "CONNECTED SAFETY ECOSYSTEM" THAT ENSURES 24/7 MONITORING AND RAPID INCIDENT MANAGEMENT.

A SMART MONITORING SYSTEM THAT USES TECHNOLOGY TO PROTECT TRAVELERS.
BLOCKCHAIN:- SECURE, TIME-LIMITED DIGITAL IDS FOR PRIVACY.
GEO-FENCING:- INSTANT ALERTS IF A TOURIST ENTERS "DANGER ZONES."
IOT & SENSORS:- REAL-TIME LOCATION AND HEALTH MONITORING.
AI ANALYTICS:- PREDICTS CROWD DENSITY AND IDENTIFIES SAFETY RISKS

THE WORKFLOW
REGISTER: TOURIST ACTIVATES A SECURE DIGITAL ID.
MONITOR: GEO-FENCING TRACKS SAFE ZONES IN REAL-TIME.
ALERT: SYSTEM TRIGGERS SOS FOR ACCIDENTS OR BOUNDARY BREACHES.
RESPOND: EMERGENCY SERVICES RECEIVE EXACT GPS COORDINATES INSTANTLY.

KEY BENEFITS
PRIVACY:- DATA IS ENCRYPTED AND DELETED AFTER THE TRIP.
SPEED:- FASTER RESPONSE DURING THE "GOLDEN HOUR" OF EMERGENCIES.
SCALABLE:- CAN BE USED FOR TREKKING, CITY TOURS, OR LARGE FESTIVALS.

FROM THE SAFE TOURIST

SUBMITTED BY: YASHASWINI K S, TEJASWINI MALLIKARJUN PATIL, VAISHNAVI SINGH U

DEPT OF CS&BS

FRESHER'S PARTY

2K25

13 October
9:30 AM

Venue:
J K Golden Embassy Hotel
Elephas Resto Pub
Industry Area, Jk Golden Embassy #128, Metagalli, Belagola, Mysuru, Karnataka 570016

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DEPT OF CSBS

FRESHER'S PARTY

MONDAY OCT 13 10 AM

We Are Thrilled To Invite You To The Freshers' Party, Organized By The Students Of CSBS Department To Welcome Our New Batch of Students.

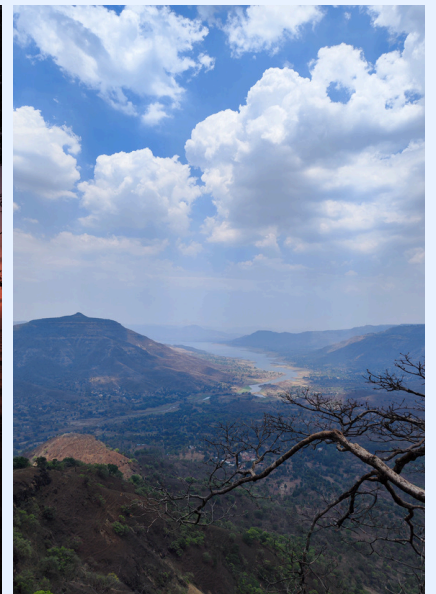
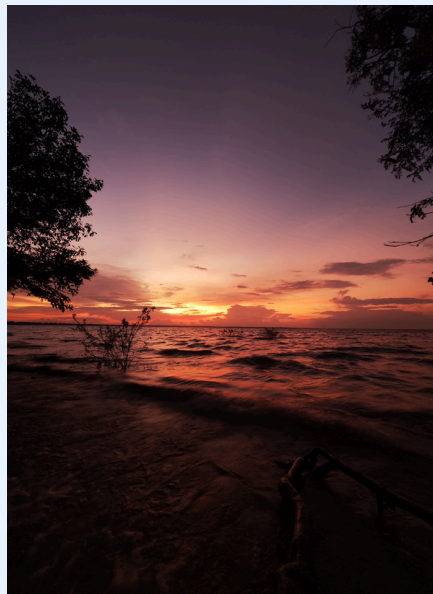
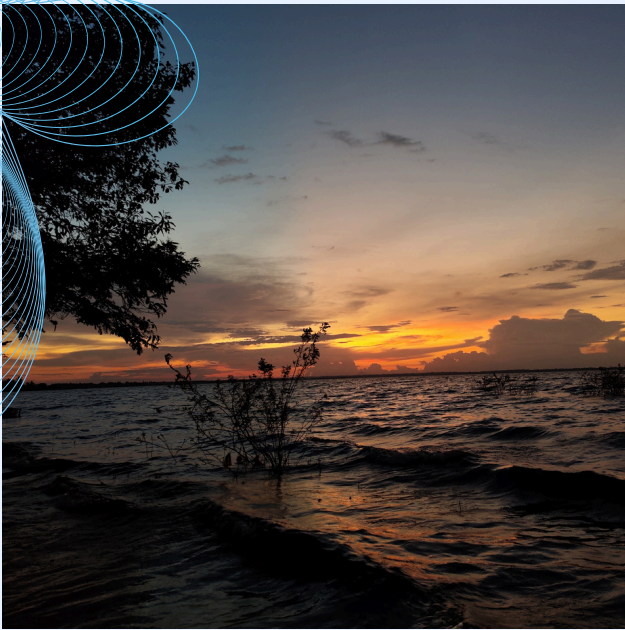
Your Presence Would Mean A Lot To Us, And We Believe It Would Make The Event Even More Special For Our New Students.

POSTER BY-
Manvith Y
4MH23CBO25

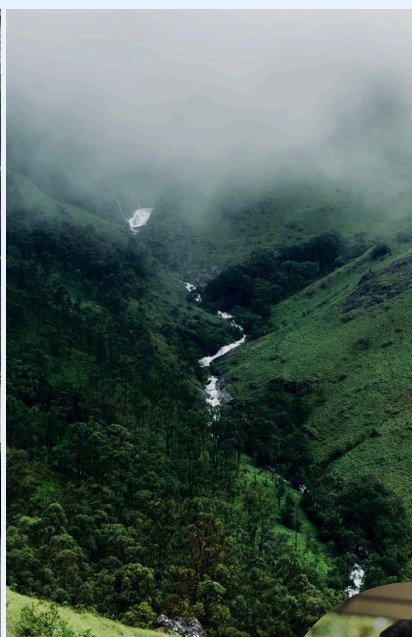
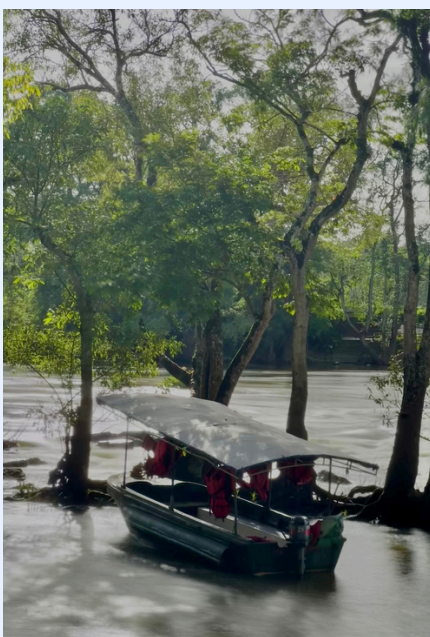


Photography SECTION



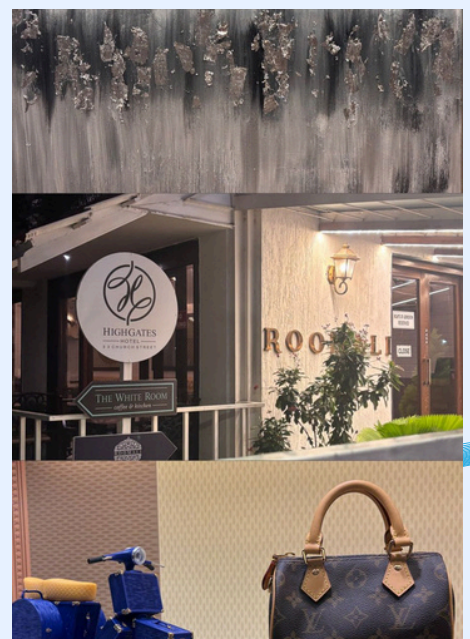
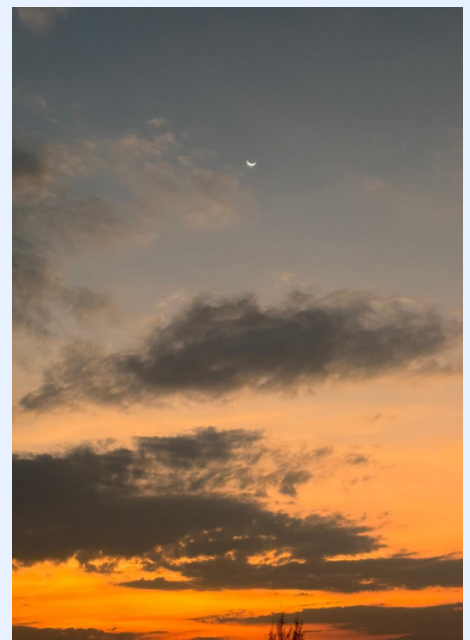
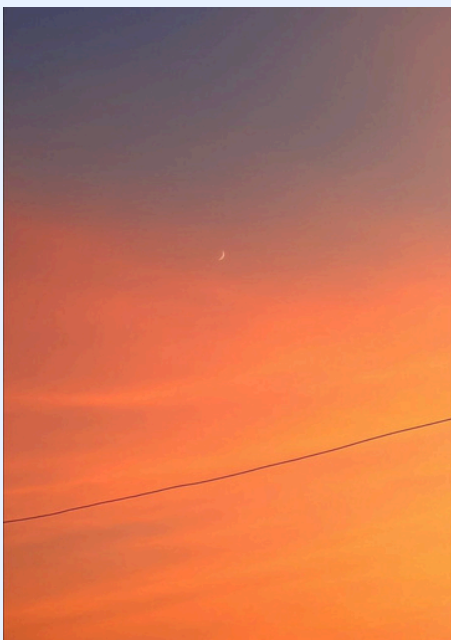
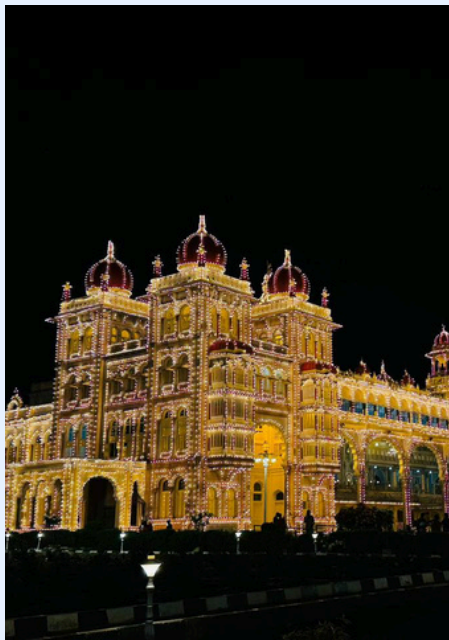


Joel Kenedy
4MH23CB017

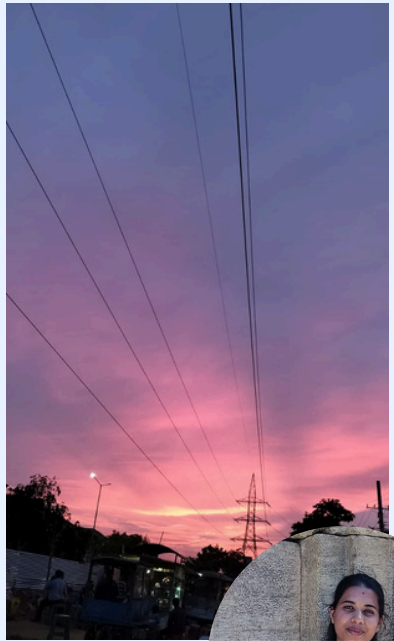
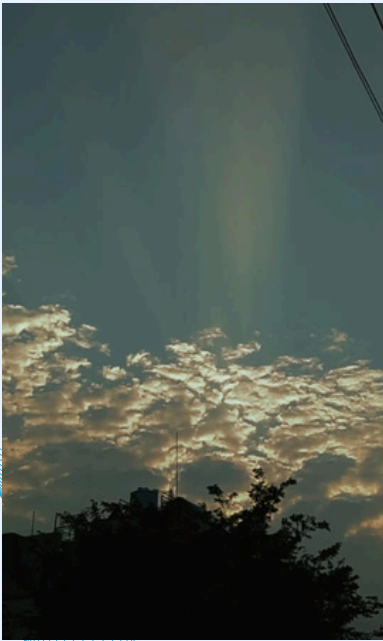
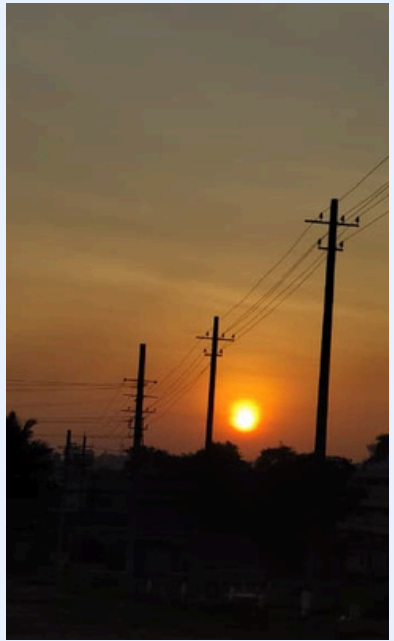
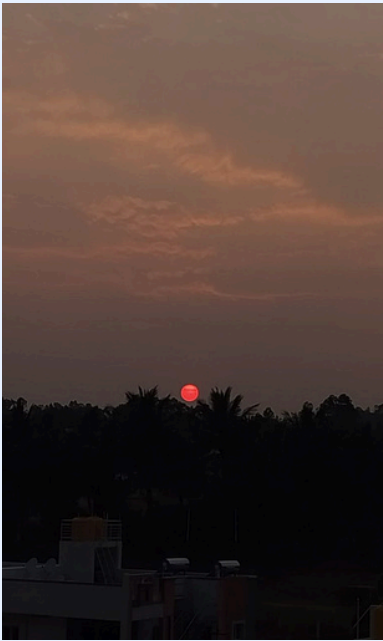


Adhithya V
4MH23CBO01

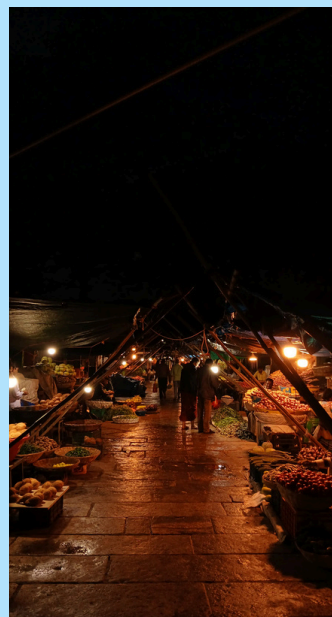




Manish HJ
4MH23CBO24

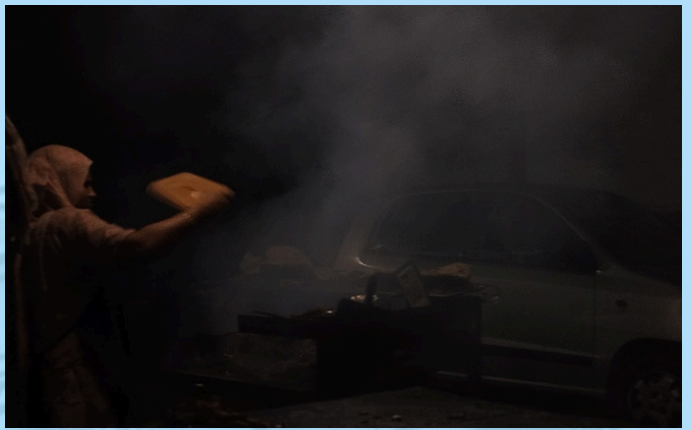
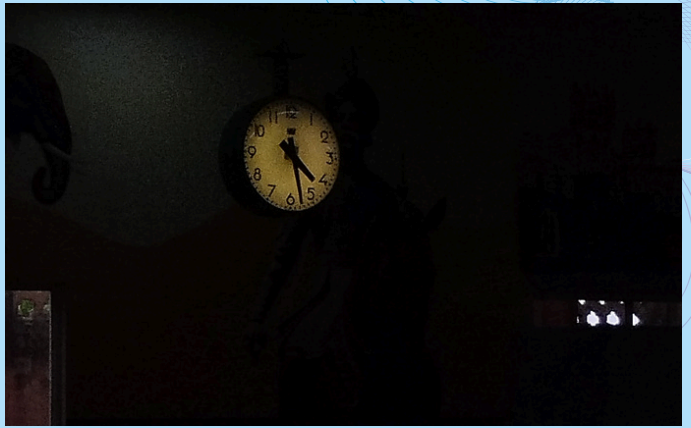


Likhitha D H
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Anusha S K
4MH23CB003



TECHNICAL *ARTICLE*

From Chatbots to Intelligent Systems: Understanding the Real Power of Generative AI

by Sumukha Sharma K

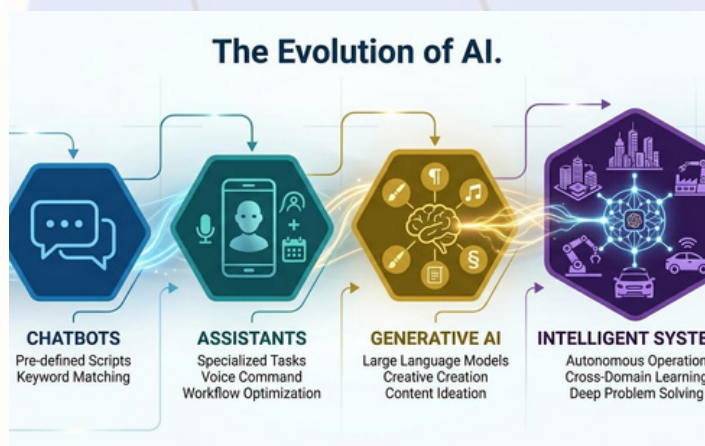
Not long ago, Artificial Intelligence felt like something we only saw in science fiction. Today, it is becoming part of our everyday lives, influencing how we learn, work, and create.

This idea perfectly captures the direction in which technology is moving today. Artificial Intelligence has quickly become one of the most influential technologies of our time. For many people, AI simply means tools that answer questions or generate text. However, that is only a small glimpse of what AI is truly capable of doing.

In reality, AI is transforming the way we learn, work, create, and even solve everyday problems. When we begin to explore it more deeply, we realize that AI is not just a chatbot or an assistant. It is an ecosystem of technologies that can enhance productivity, creativity, and decision making.

Insights from a recent Generative AI workshop helped me better understand how AI is evolving and how students can begin using it effectively in both academic and professional settings.

The Growing Influence of Artificial Intelligence



Artificial Intelligence is advancing at an incredible pace. Across industries, companies are integrating AI into their workflows to improve efficiency and reduce manual effort. Several organizations are restructuring their workforce strategies around AI technologies, and experts believe millions of jobs will change significantly in the coming years.

This shift often creates fear that AI will replace humans. However, the real transformation is likely to happen between individuals who adapt to AI and those who ignore it.

Learning how to collaborate with AI tools can dramatically increase productivity and open new opportunities. Rather than seeing AI as a threat, it should be viewed as a powerful tool that amplifies human capabilities.

Looking Under the Hood of AI

One of the reasons AI feels mysterious is because we usually interact with it through simple interfaces. We type a question and instantly receive a detailed response. But when we look at the underlying mechanisms, we realize that AI systems follow logical processes.

One fundamental concept is tokenization. When a sentence is entered into an AI system, it is broken down into smaller pieces called tokens. These tokens allow the model to analyze language patterns and predict the most appropriate response.

Another important concept is the attention mechanism. Attention allows AI models to focus on the most relevant parts of a sentence while generating a response. This mechanism helps the system understand context and maintain meaningful conversation.

Once these concepts are understood, AI stops feeling like magic and begins to look like a sophisticated but understandable system.

Prompt Engineering: Communicating with AI Effectively

Many users interact with AI by typing a single sentence and hoping for a useful response. However, the quality of AI output depends heavily on how the prompt is written.

A useful approach to prompting includes four important elements.

1. Context explains the role or situation in which the AI should operate.
2. Task clearly describes what needs to be done.
3. Instruction provides details about how the response should be structured.
4. Example or data gives references that help the AI produce better results.

This structured approach to communicating with AI is known as prompt engineering, and it has become one of the most important skills in the age of AI.

There are also several advanced prompting techniques such as zero shot prompting, few shot prompting, chain of thought reasoning, and role based prompting. These methods guide AI models to generate more logical and structured answers.

For example, instead of simply asking "Explain machine learning".

A better prompt would be "Explain machine learning to engineering students using simple real world examples and practical applications."

Even small improvements in prompts can lead to significantly better responses.

The AIY Framework: AI for Yourself



A helpful concept introduced in the workshop is the AIY framework, which stands for AI for Yourself. This framework explains how AI can be used in different aspects of life and work.

The framework highlights five important areas.

AI for Core Skills

This focuses on learning essential abilities such as prompt engineering and understanding AI tools.

AI for Productivity

AI can automate repetitive tasks like managing spreadsheets, generating reports, and creating presentations.

AI for Learning

Students can use AI to summarize research papers, explain difficult concepts, and act as a personal learning assistant.

AI for Creativity

Generative AI tools can create images, design graphics, generate scripts, and even produce videos from simple text descriptions.

AI for Career Growth

AI can assist with preparing resumes, analyzing job descriptions, and exploring career opportunities.

Through this framework, AI becomes more than a technical tool. It becomes a personal system that supports learning, productivity, and creativity.

AI Tools That Enhance Productivity

Today there are many AI platforms designed to simplify complex tasks.

1. Research oriented tools such as Perplexity help gather and organize information quickly.
2. Learning assistants like NotebookLM help summarize documents and explain concepts faster.
3. Tools such as Claude can analyze datasets and generate dashboards.
4. Gemini can generate presentations within minutes.

These tools show how AI can act as a digital research assistant, productivity partner, and learning companion. Instead of spending hours searching through multiple sources, AI can help organize knowledge and highlight the most important insights in seconds.

From Individual Tools to AI Workflows

Using a single AI tool is useful, but the real power of AI emerges when multiple tools are connected together into workflows.

For example, a student preparing a project could use AI in the following way.

* First, research tools collect and summarize information from various sources.

* Next, AI organizes the findings into structured notes.

* Then presentation tools convert those notes into slides.

* Finally, design tools generate visuals or diagrams for better explanation.

When these steps are combined, AI can automate a large portion of the work. Over time, such workflows can evolve into intelligent systems

where many repetitive tasks are handled automatically.

AI in Creative Content Generation

Generative AI has also transformed the field of content creation. With the help of AI, it is now possible to write scripts, generate images, produce videos, and create voice narration without expensive equipment or large teams.

For instance, a creator can write a short script, generate visuals using AI image tools, and produce a complete video with AI voice narration. What previously required a full production team can now be achieved with a single laptop.

This opens exciting opportunities for students interested in digital media, entrepreneurship, and creative storytelling.

Moving Towards AI Driven Systems

As individuals gain experience with AI tools and workflows, the next step is building AI driven systems.

This includes creating custom AI assistants, automating repetitive processes, designing intelligent workflows, and building simple applications powered by AI.

At this stage, the user is no longer just interacting with AI but designing systems that use AI to perform meaningful tasks.

Conclusion

Artificial Intelligence is no longer a futuristic concept. It is already reshaping industries, education, and everyday life. While many

people still view AI as a simple chatbot, its real potential lies in automation, intelligent systems, and creative collaboration.

For students in fields like Computer Science and Business Systems, this is an exciting opportunity. By understanding the fundamentals of AI, learning prompt engineering, and experimenting with modern AI tools, we can prepare ourselves for a future where humans and intelligent machines work together.

The goal should not be to compete with AI, but to learn how to use it wisely. Those who understand and adapt to this technology will not only remain relevant but will also lead the next wave of innovation.

For students stepping into a technology-driven future, understanding AI is no longer just helpful. It is becoming essential.

Sumukha Sharma K
4MH23CBO43



Digital Twin Technology: Bridging the Physical and Digital Worlds

By Thilak B M

Introduction

In the era of rapid technological advancement, industries are constantly searching for innovative ways to improve efficiency, reduce costs, and enhance performance. One of the most promising innovations transforming modern industries is Digital Twin Technology. This concept allows organizations to create a virtual replica of a physical object, system, or process, enabling real-time monitoring, analysis, and prediction of performance. By connecting the physical and digital worlds, digital twins are helping engineers, researchers, and businesses make smarter and faster decisions.



What is Digital Twin Technology?

A digital twin is a virtual model that accurately represents a real-world object or system. This digital model continuously receives data from sensors installed in the physical object, allowing it to simulate and analyze real-time behavior. In simple terms, a digital twin is a living digital replica that mirrors the condition, performance, and behavior of its physical counterpart. For example, an aircraft engine can have a digital twin that constantly receives operational data such as temperature, pressure,

and vibration. Engineers can analyze this data using the digital model to understand how the engine is performing and detect potential problems before they occur. This ability to predict failures and improve performance is one of the main advantages of digital twin technology.

How Digital Twins Work

Digital twin technology works through the integration of several modern technologies. Sensors placed on physical objects collect real-time data such as movement, temperature, or energy consumption. This data is transmitted through the Internet of Things (IoT) to digital systems where advanced analytics and simulations are performed. Artificial intelligence and machine learning algorithms analyze the incoming data and update the digital model continuously. As a result, the digital twin behaves almost exactly like the physical object. Engineers and analysts can run simulations on the digital twin to predict outcomes, test improvements, and identify potential risks without affecting the real system.

Applications of Digital Twin Technology

Digital twin technology is being widely adopted across many industries. One of the most important areas is aerospace engineering. Aircraft manufacturers use digital twins to simulate aircraft systems and monitor their performance during flights. This allows engineers to improve safety, detect faults early, and reduce maintenance costs. In manufacturing industries, digital twins help companies monitor production lines and machines in real time. By analyzing the digital model, companies can optimize operations, reduce downtime, and increase productivity. Smart factories are increasingly relying on digital twins to create more efficient and automated production environments. Healthcare is another field benefiting from digital twin technology. Researchers are exploring the possibility of creating digital models of human organs or even entire patients. These models could help

doctors test treatments, simulate surgeries, and provide more personalized healthcare solutions. Urban planning and smart cities are also using digital twins to simulate traffic systems, infrastructure, and energy consumption. City planners can analyze these virtual models to design more efficient transportation systems, reduce environmental impact, and improve urban living conditions.

Benefits of Digital Twin Technology

Digital twin technology offers several significant advantages. One major benefit is predictive maintenance. By analyzing real-time data from digital twins, organizations can detect problems before equipment fails, saving time and reducing repair costs. Another benefit is improved design and innovation. Engineers can test new ideas and simulate different scenarios using digital twins before implementing them in the real world. This reduces risks and accelerates product development. Digital twins also help improve operational efficiency. Real-time insights allow companies to optimize performance, reduce energy consumption, and enhance productivity across different systems.

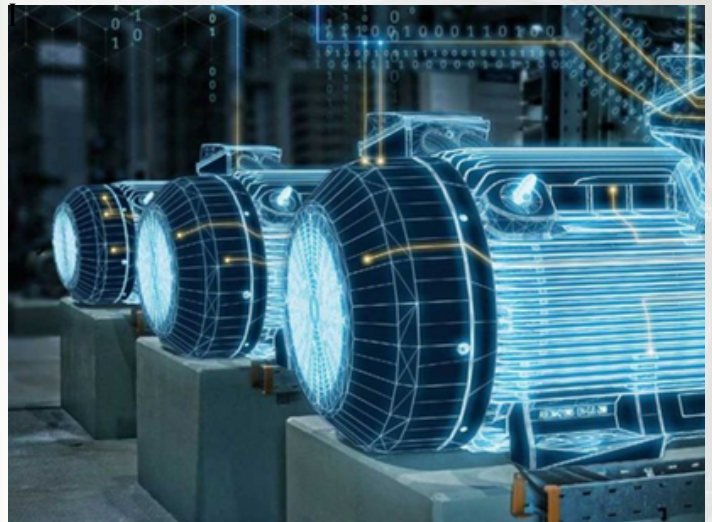
Challenges and Limitations

Despite its many benefits, digital twin technology still faces certain challenges. One major challenge is the large amount of data required to maintain accurate digital models. Managing and processing this data requires advanced infrastructure and powerful computing resources. Another challenge is cybersecurity. Since digital twins rely heavily on connected devices and data networks, protecting sensitive information from cyber threats becomes extremely important. Organizations must invest in strong security systems to ensure safe data exchange.

Future of Digital Twins

The future of digital twin technology looks very promising. As artificial intelligence, cloud computing, and IoT continue to advance, digital twins will

become more accurate and more widely used. Experts predict that in the coming years, digital twins will play a major role in industries such as healthcare, transportation, construction, and environmental management.



In the long term, digital twins may even be used to simulate entire cities, ecosystems, or complex global systems. These simulations could help governments and organizations make better decisions about sustainability, infrastructure development, and disaster management.

Conclusion

Digital twin technology represents a powerful step toward a smarter and more connected world. By creating a bridge between physical systems and digital models, it enables organizations to monitor performance, predict problems, and optimize operations like never before. As this technology continues to evolve, it has the potential to transform industries, improve efficiency, and open new possibilities for innovation in the digital age.

Thilak B M
4MH23CBO45



Brain-Computer Interfaces: Connecting the Human Brain to Machines

By Kiran H K

Introduction

The human brain is one of the most complex and powerful systems in nature. For centuries, scientists have tried to understand how the brain works and how it controls thoughts, movements, and emotions. Today, advances in neuroscience and computer technology have led to the development of Brain-Computer Interfaces (BCIs). This innovative technology allows direct communication between the human brain and computers, opening new possibilities for medicine, communication, and human capability.

What is a Brain-Computer Interface?

A Brain-Computer Interface is a system that enables the brain to communicate directly with external devices without the need for physical movement. It works by detecting electrical signals generated by brain activity and translating them into commands that computers or machines can understand.

Normally, when humans want to perform an action such as moving a hand, the brain sends signals through the nervous system to the muscles. With BCI technology, these signals can be captured directly from the brain and converted into digital instructions that control devices such as computers, robotic arms, or wheelchairs.

How Brain-Computer Interfaces Work

BCI systems typically involve several important components. First, sensors or electrodes detect brain signals. These signals are often measured using electroencephalography (EEG) devices or implanted sensors in advanced systems.

Next, the captured signals are processed using specialized algorithms and machine learning models.

These algorithms analyze patterns in brain activity and translate them into commands that can control digital systems or mechanical devices.

Finally, the interpreted commands are sent to external devices, allowing users to perform actions such as moving a cursor on a computer screen, controlling a robotic arm, or typing text using only their thoughts.



Applications of Brain-Computer Interfaces

One of the most important applications of BCI technology is in healthcare. Patients with severe disabilities, paralysis, or neurological disorders can use BCIs to communicate and control assistive devices. For example, individuals who cannot move their limbs may be able to control a wheelchair or operate a computer through brain signals.

BCIs also have potential applications in rehabilitation. Patients recovering from strokes or injuries can use brain-controlled systems to retrain their muscles and regain motor functions.

In the future, BCI technology may also be used in fields such as gaming, education, and virtual reality. Players could control games using their thoughts, creating more immersive experiences. Another potential application is in advanced human-machine collaboration. Scientists are exploring ways

to enhance human abilities by connecting the brain directly to intelligent systems that can assist with complex tasks.



Benefits of Brain–Computer Interfaces

Brain–Computer Interfaces offer several important advantages. The most significant benefit is improving the quality of life for people with disabilities. By enabling direct brain communication with machines, BCIs provide new ways for individuals to interact with the world around them.

BCIs also create opportunities for faster communication and control. In certain situations, brain signals may allow users to perform tasks more efficiently than traditional input devices.

Additionally, BCI research contributes to a deeper understanding of the human brain. By studying neural signals and patterns, scientists can gain insights into how the brain processes information and controls behavior.

Challenges and Ethical Considerations

Despite the promise of BCI technology, several challenges remain. Accurately interpreting brain signals can be difficult because neural activity is highly complex and varies from person to person.

There are also ethical and privacy concerns related to brain data. Since BCIs involve collecting information directly from brain

activity, protecting this sensitive data is extremely important. Furthermore, invasive BCI systems that require surgical implants must meet strict safety standards before they can be widely used.

Future of Brain–Computer Interfaces

The future of BCI technology is extremely promising. Advances in artificial intelligence, neuroscience, and computing are making these systems more accurate and accessible. Researchers believe that BCIs may eventually allow humans to control complex machines, communicate more efficiently, and even interact with digital environments using only their thoughts.

Conclusion

Brain–Computer Interfaces represent a groundbreaking step in the relationship between humans and technology. By enabling direct communication between the brain and machines, BCIs open new possibilities in medicine, communication, and human capability. As research continues, this technology may transform how people interact with computers and unlock new ways to enhance human potential.

Kiran H K
4MH23CB019



Spatial Computing: The Future Beyond Traditional Screens

By Sanjay G

Introduction

Technology has continuously evolved to change the way humans interact with computers. From bulky desktop computers to smartphones and touchscreens, each innovation has brought us closer to a more natural and intuitive way of using technology. One of the newest and most exciting developments in this evolution is Spatial Computing. This technology allows digital content to exist within the physical world around us, enabling users to interact with virtual objects as if they were part of their real environment. Spatial computing represents a major shift in human-computer interaction and has the potential to transform industries, education, entertainment, and everyday life.



What is Spatial Computing?

Spatial computing refers to technologies that allow computers to understand and interact with the physical space around them. Instead of being limited to flat screens, digital information can appear as three-dimensional objects within a user's environment. Users can move around these digital objects, manipulate them with hand gestures, or interact with them using voice commands.

This technology combines several advanced systems such as augmented reality (AR), virtual reality (VR), artificial intelligence (AI), computer vision, and spatial mapping. Together, these technologies allow devices to detect surroundings, understand physical spaces, and place digital objects accurately within the real world.

For example, a user wearing a spatial computing headset could open multiple virtual screens in their room, watch movies on a large digital display floating in front of them, or collaborate with colleagues in a shared virtual workspace.

How Spatial Computing Works

Spatial computing relies on a combination of sensors, cameras, and advanced software. Cameras scan the environment and create a digital map of the surrounding space. Artificial intelligence algorithms then analyze this information to identify objects such as walls, furniture, and people.

Once the system understands the environment, digital content can be placed within the physical space. The user can interact with these digital elements using gestures, eye movements, or voice commands. The system constantly updates its understanding of the environment to ensure that the digital objects remain stable and accurately positioned.

Applications of Spatial Computing

Spatial computing has applications across many industries. In education, students can learn through immersive experiences. Instead of reading about historical monuments or scientific concepts, students can explore 3D models and interactive simulations that make learning more engaging and effective.

Healthcare professionals can use spatial computing to visualize medical data in three dimensions. Surgeons can study complex anatomical structures before performing operations, which can improve precision and patient safety.

In architecture and engineering, spatial computing allows designers to walk through virtual buildings before construction begins. This helps identify design problems early and allows architects to experiment with different layouts and structures.

The entertainment and gaming industries are also rapidly adopting spatial computing. Players can experience highly immersive games where digital characters and objects appear directly in the real world.



Benefits of Spatial Computing

One of the biggest advantages of spatial computing is its ability to create more natural and intuitive interactions with technology. Instead of relying on keyboards and touchscreens, users can interact with digital content using gestures and voice commands.

Spatial computing also improves collaboration. Teams located in different parts of the world can meet in shared virtual environments where they can work together as if they were in the same room.

Another important benefit is enhanced visualization. Complex data can be presented in three dimensions, making it easier to understand patterns, structures, and relationships.

Challenges and Future Potential

Despite its exciting possibilities, spatial computing still faces several challenges. Current hardware such as headsets can be expensive and sometimes bulky.

Processing large amounts of spatial data also requires powerful computing resources.

However, as technology advances, devices are expected to become smaller, lighter, and more affordable. In the future, spatial computing may be integrated into lightweight glasses that people can wear throughout the day.

Conclusion

Spatial computing represents the next step in the evolution of human-computer interaction. By merging digital information with the physical environment, it creates new opportunities for learning, collaboration, and innovation. As the technology continues to develop, spatial computing may soon become a central part of everyday life, transforming the way people interact with computers and the digital world.

sanjay G
4MH23CBO35



How VFX Technology Made Avatar's World Feel Real

BY Paresh R

I first watched Avatar on TV, and the moment I saw the world of Pandora, I was completely amazed. The forests, creatures, floating mountains, and even the people of Pandora looked so real that for a moment I actually felt like such a world could exist somewhere. It didn't feel like I was watching computer graphics; it felt like I was watching a real place. That was the first time I truly realized how powerful visual effects (VFX) can be in movies.

What impressed me the most was how detailed everything looked—the humans, the creatures, and the huge glowing forests. While watching, I kept wondering how filmmakers could create something so realistic. It made me curious about the technology behind it. I started thinking about how computers, animation, and motion capture might have been used to bring those characters and environments to life. The movie made me realize that VFX is not just about visuals; it is a combination of technology, creativity, and storytelling.

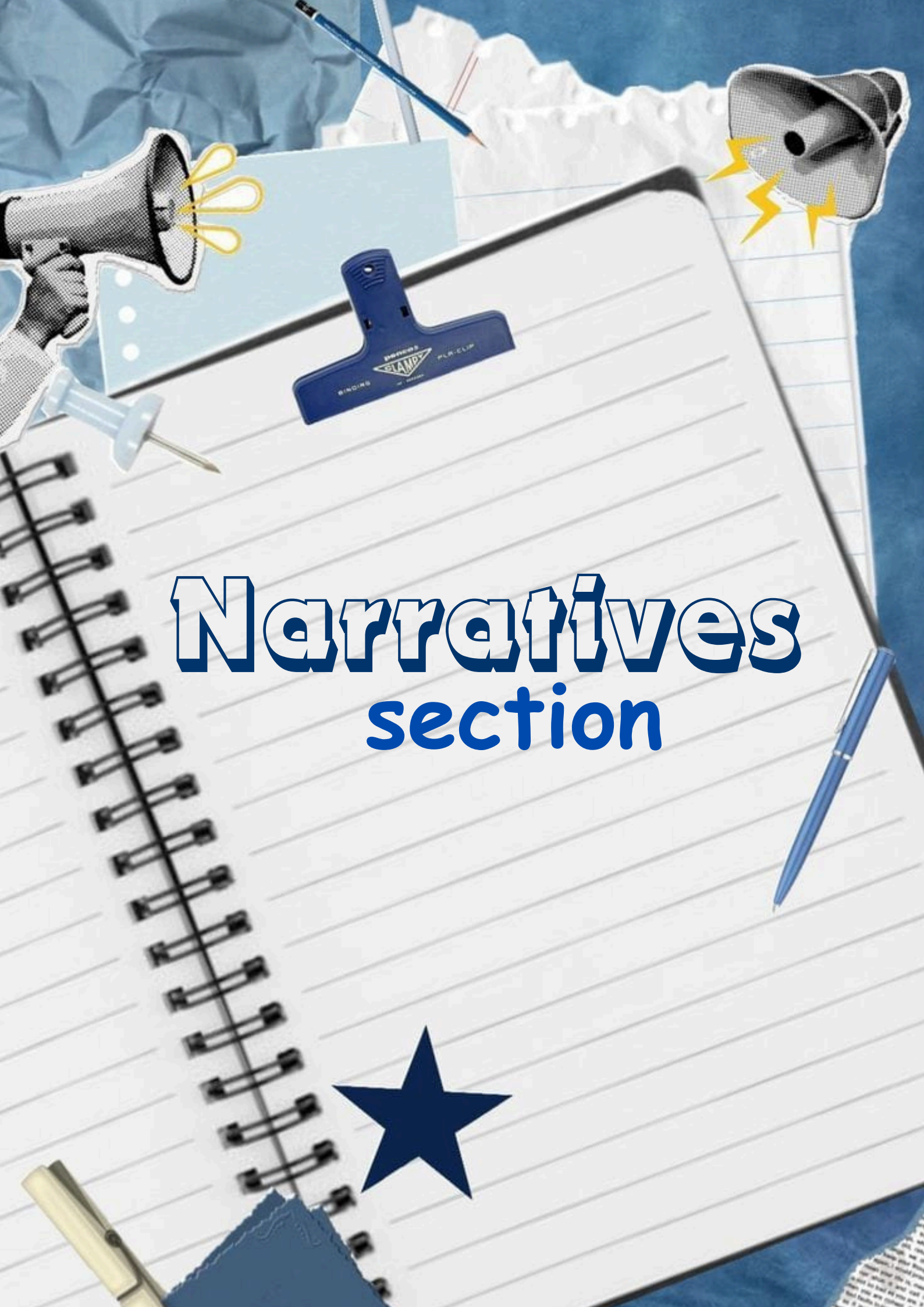
Later, I had an even more unforgettable experience when I watched Avatar: Fire and Ash in 3D. Seeing the visuals on the big screen made the experience even more immersive. The depth, lighting, and movement of the characters made it feel like the world of Pandora was right in front of me. It was honestly one of the best cinema experiences I have ever had.

For me, Avatar showed that VFX is not just about making movies look beautiful, it also helps tell the story in a powerful way. The visuals made the world believable and allowed the audience to connect with the characters and their environment. That's why I believe Avatar is not just a movie with good effects, it is truly an unforgettable cinematic experience.



Paresh R
4MH24CBO30





Narratives section

ಪ್ರಯಾಣದ ನಡುವೆ ಜೀವನ

ಒಂದೇ ಬೋಗಿಯಲ್ಲಿ ಸಾವಿರ ಹೃದಯಗಳು,
ಪ್ರತಿ ಕಣ್ಣಿನಲ್ಲಿ ಬೇರೆ ಕಥೆಗಳು.
ಕಿಟಕಿಯಾಚೆ ಹಾದು ಹೋಗುವ ದೃಶ್ಯ,
ಕಾಲದಂತೆ ಮರಳಿ ಬಾರದ ಕ್ಷಣಗಳು...
ಯಾರೋ ಏರುವರು ಮಧ್ಯದಲ್ಲಿ,
ಯಾರೋ ಇಳಿಯುವರು ನಿಶ್ಯಬ್ದದಲ್ಲಿ.
ರೈಲು ನಿಲ್ಲದು ಯಾರಿಗಾಗಿಯೂ,
ಹಾಗೆ ಜೀವನವೂ ಕಾಯದು ಯಾರಿಗಾಗಿಯೂ...
ಅವರವರ ಸಮಯ ಬಂದಾಗ,
ಅವರಿಗೆ ಸಿಗುವುದು —
ಅವರವರ ಪಾಲಿಗೆ ಬಂದಷ್ಟು ಮಾತ್ರ
— ಐಶು



ಬಾಲ್ಯದ ನೆನಪು

ಬಾಲ್ಯದ ಜೀವನ ಎಷ್ಟು ಚಂದ ಅಲ್ಲವಾ!
ಅದೆಷ್ಟು ಆಟ, ಅದೆಷ್ಟು ಓಟ...
ಅದೆಷ್ಟು ನಗು, ಅದೆಷ್ಟು ನಲಿವು...
ಅದೆಷ್ಟು ಕುಣಿದು ಕುಪ್ಪಳಿಸಿದ ದಣಿವರಿಯದ ಜೀವ!
ವಾ... ಎಷ್ಟು ಸುಂದರ ಆ ದಿನಗಳು!
ಚಿಂತೆಗಳಿಲ್ಲ, ಭಾರಗಳಿಲ್ಲ,
ನಗುವೇ ನಮ್ಮ ಲೋಕವಾಗಿತ್ತು.
ಆದರೆ ಈಗ...
ಬದುಕೇ ಒಂದು ದೊಡ್ಡ ಮೈದಾನ,
ಅಂದು ಮೋಜಿಗಾಗಿ ಆಡಿದ ಆಟ...
ಇಂದು ಜವಾಬ್ದಾರಿಯೇ ಮೋಜಿಗಾಗಿ ಬದಲಾಗಿವೆ!!!
— ಐಶು



Aishwarya N K
4MH23CBOO2



Women's Safety: A basic need for life

I am Sumukha Sharma K, a 6th semester student of the department, and I would like to share my thoughts on a topic that has been recklessly degraded in our society - Women's safety.

Women's safety is not just an issue to be discussed occasionally. It is a basic right that should be ensured at all times. Even today, many women hesitate while doing everyday activities like traveling alone, going out at night, or even expressing themselves freely. This clearly shows that there is still a gap between the safety that should exist and the reality that many experience.

Safety is not only about protection from physical harm. It also includes the freedom to live without fear, to make choices, and to be respected in every environment. A society can truly progress only when its women feel safe and confident in all aspects of life.

While laws and regulations are important, real change begins with people. The way we think, behave, and respond to situations plays a major role. Respecting boundaries, standing up against inappropriate behavior, and supporting one another are simple steps that can create a safer environment.

Awareness is equally important. When people understand the importance of consent, respect, and equality, it becomes easier to prevent unsafe situations. Open conversations, both in educational institutions and at home, can help in building a more responsible and aware society.

Women's protection should not mean limiting their freedom. Instead, it should mean creating a space where they can live freely without fear. A strong society is one where women are not just protected, but also respected and empowered.

Ensuring women's safety is not just a responsibility of a few, it is something that all of us must contribute to. Because a society that cannot guarantee safety to its women can never truly call itself developed.



Sumukha Sharma K
4MH23CB043

Cringe is Just a Word

The word “cringe” has become very common today, especially on the internet. People use it to judge others for what they like, what they post, or how they express themselves. Because of this, many people become afraid to share their interests or try new things. But in reality, cringe is just a word. It only has the power to stop us if we let it. Everyone starts somewhere, and the beginning of anything often looks awkward. That doesn't make it wrong, it just means we are learning.

For me, I enjoy things like coding, gaming, and characters like Spider-Man. Spider-Man is someone many people relate to, including me. He isn't perfect and he makes mistakes, but he still keeps trying and doing what he believes is right. That's something inspiring. Coding is similar in a way. When someone begins coding, nothing works perfectly at first. There are errors, bugs, and a lot of confusion. But those mistakes are part of the process, and without them no one would ever improve or learn.

Many people call things cringe simply because they don't understand someone else's passion. Trying something new will always look strange in the beginning. Whether it's coding, gaming, making videos, or sharing interests online, the first step is rarely perfect. Sometimes people who call others cringe are just afraid to try things themselves. Instead of encouraging creativity, they choose to judge it.

What really matters is enjoying what you do. If something makes you happy or helps you grow, that is enough reason to continue doing it. Confidence and passion are far more important than worrying about what others think. If someone wants to start something but feels afraid of being called cringe, the best advice is simple: just do it. At the end of the day, cringe is just a word, and it should never stop anyone from being themselves.

Paresh R
4MH24CBO30





EVENT

experiences

Our Experience at the AI Developers Conference

Last week, the four of us, Sumukha Sharma K, Manvith Y, Likhitha D H and Joel Kenedy, got the opportunity to attend an AI Developers Conference in NIMHAANS Convention Centre, Bengaluru, and it turned out to be a really memorable experience for all of us.

As soon as we entered the venue, we could feel a different kind of energy. It wasn't like our usual college environment. There were developers, students, researchers and professionals from different backgrounds, all gathered in one place with a common interest in Artificial Intelligence. Being a part of that atmosphere itself was exciting.

One of the most interesting parts of the conference was seeing how concepts we've heard about are actually used in real life. For example, we came across demonstrations using models like YOLO for real-time human detection, which we had only heard about before. Watching it work live made it much easier to understand how powerful and practical these technologies are.

There were also different stalls and demo setups where teams were showcasing their projects. Some of them focused on automation, while others showed creative applications of AI in areas like safety, user interaction and data analysis. Walking through these stalls and interacting with people gave us a better idea of how AI is being applied in different fields.

The sessions by industry experts added even more value to the experience. They spoke about their journey, challenges and how they are using AI to solve real-world problems. It made us realize that AI is not only about writing code, but also about thinking creatively and building solutions that actually make an impact.

Apart from the technical side, the experience also helped us understand how professional environments work. Observing how people present their ideas, communicate and network gave us a clearer picture of what to expect in the industry. At the same time, it motivated us to work on improving our own skills.

Of course, the day was not just about learning. We had our own fun moments, random discussions and shared observations, which made the whole experience even better as a group. Overall, attending this conference was a great experience for all four of us. It gave us exposure, new ideas and a clearer direction towards our future in technology. We are really glad that we got this opportunity and we look forward to attending more such events in the future.



SheLeads 2.0

I participated in the SheLeads 2.0 – 24-Hour National Level Hackathon held at Presidency University, Bengaluru.

I had the opportunity to lead an amazing team and work as the Frontend Developer for our project. It was a great experience collaborating, building solutions, and learning within a limited time.

I worked along with my teammates Kiran H K (Backend Developer), Thilak Mahesh (Database Management), and Lekhana G (UI/UX Designer), where I contributed as the Team Leader and Frontend Developer.

This hackathon helped us improve our technical skills, teamwork, and problem-solving abilities while building an innovative solution under time pressure.

Grateful for this wonderful learning experience and looking forward to participating in more hackathons in the future.



Khushi K N
4MH23CB018



Are Hackathons all About Grinding Projects?

I have attended around three to four college hackathons in person and several online hackathons as well. Most of the time I participated with a team, and honestly, the experience was never just about grinding projects or coding nonstop. Of course, we built projects and tried our best, but a huge part of the experience was simply enjoying the process, discussing ideas, and learning together.

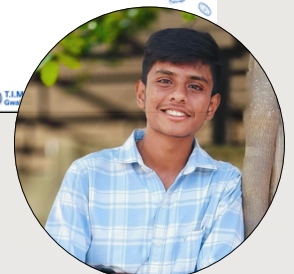
Every hackathon taught us something new. Even when we didn't win, we learned why our project wasn't strong enough and what we could improve next time. Understanding why we lost often became the biggest learning experience. It helped us think about better problem statements, cleaner implementation, and stronger presentations.

Hackathons are much more than just building projects under pressure. They are about teamwork, creativity, problem-solving, and stepping out of your comfort zone. You meet new people, explore new ideas, and push yourself to try things you normally wouldn't attempt.

My advice to anyone thinking about joining a hackathon is simple: just participate. Don't worry if you don't know everything. Hackathons are exactly where you go to learn, experiment, and grow. The experience itself is far more valuable than just winning.



Paresh R
4MH24CBO30



HACKFINITY

I participated in the Hackfinity 2025 Hackathon organized at Maharaja Institute of Technology Mysore. As a second - semester student and a fresher, this was my first hackathon experience, and initially I did not have much idea about how hackathons work.

Our team Sparktech worked on a Weather Prediction project, where we discussed how weather parameters such as temperature, humidity, and atmospheric pressure can be analyzed to predict weather conditions. During the hackathon, we brainstormed ideas, planned our approach, and tried to design a simple solution for predicting weather changes.



Since it was my first event, I felt some pressure and nervousness while working in a limited time environment. However, the experience helped me learn how to think quickly, collaborate with teammates, and handle problem-solving under pressure. It also helped me understand how hackathons encourage innovation, creativity, and teamwork.

CODEVAULT

I participated in the "Code Vault 2025" National Level 24-Hour Hackathon organized by the Department of Computer Science and Business System at Maharaja Institute of Technology Mysore. This was my second hackathon experience, and compared to my first hackathon, I had better understanding of how hackathons work and how to approach a project within a limited time.

In this hackathon, I worked on a project called Multimodal AI Tutor. The aim of this project was to create an intelligent tutoring system that can assist students in learning through different input methods such as text, voice, or images. The idea was to make learning more interactive and accessible using artificial intelligence.

While developing this project, I learned about AI concepts, problem-solving techniques, and teamwork in a fast-paced environment.



Compared to my first hackathon, I felt more confident in sharing ideas, discussing solutions, and working collaboratively with my team. Overall, this hackathon helped me gain more practical experience, improve my technical thinking, and strengthen my confidence in participating in technical events.

Shwetha P S
4MH24CBO38



SPORTS ACHIEVEMENTS



VTU Cricket Team Selection – Mysore Division

We are proud to share that Manvith Y of 3rd year was selected for the Mysore Division Cricket Team during the VTU cricket selections, marking a commendable achievement in the field of sports. Out of nearly 150 participants, only the top 30 players were shortlisted, and he was recognized among them for his performance.

Although the final state-level selection was highly competitive, he was among the players specially recognized at the Mysore Division level, reflecting his skill, dedication, and sportsmanship. Adding to this proud moment, our department senior Arjun Gowda S was also selected for the Mysore Division team, showcasing the sporting excellence within our department.

Manvith expressed that being selected among the top players was a proud and rewarding experience, and competing alongside talented players helped him improve his skills, confidence, and understanding of the game. He shared that this journey motivated him to continue working hard and strive for higher achievements in the future.

We take great pride in these accomplishments, which highlight the talent and determination of our students beyond academics.



Proud Moment for CSBS Department in VTU Sports Tournament

We are proud to announce that Manwith Y, a student of the Department of CSBS, represented the college in the Visvesvaraya Technological University (VTU) Inter-College Ball Badminton Tournament.

The MITM team performed exceptionally well in the tournament and secured the 2nd Runner-Up position among various VTU affiliated colleges. With this excellent performance, the team has been selected for the VTU State Level Ball Badminton Tournament.

This achievement brings pride to the department and the institution. The department congratulates Manwith Y and the team for their dedication, hard work, and outstanding performance.



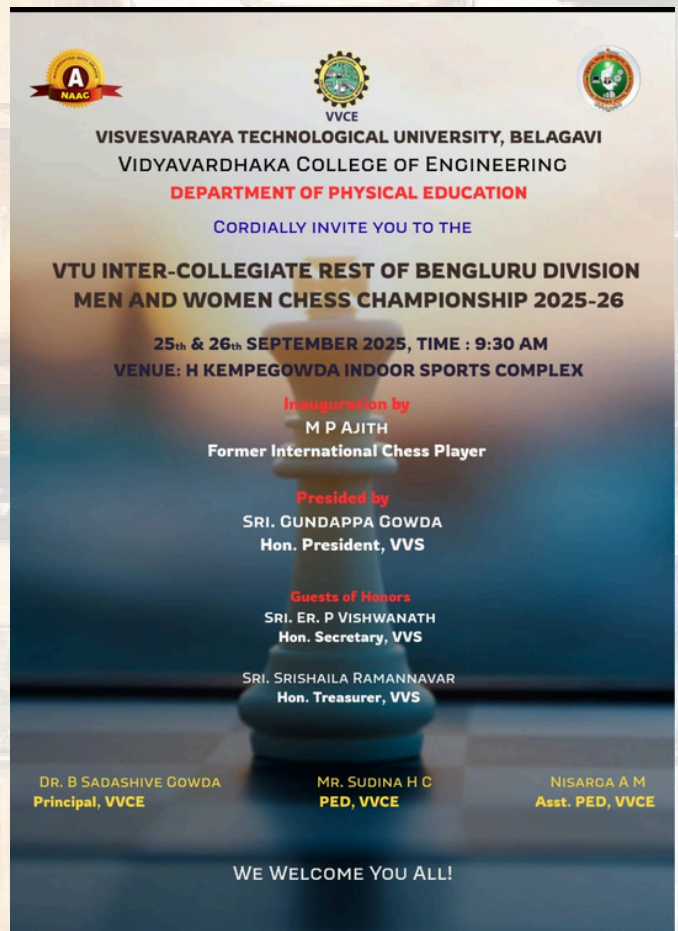
VTU Inter-Collegiate Chess Championship Participation

We are proud to share that Khushi K N and other students of our department actively participated in the VTU Inter-Collegiate Rest of Bengaluru Division Men and Women Chess Championship 2025-26, held at Visvesvaraya Technological University and hosted by Vidyavardhaka College of Engineering.

The championship brought together talented chess players from various colleges, providing a competitive platform to demonstrate strategic thinking, focus, and decision-making skills. She represented the institution with dedication and enthusiasm, competing alongside skilled participants.

Khushi expressed that the experience was both challenging and enriching, as it helped her learn new strategies and improve her gameplay. She also shared her interest in participating in more such competitions in the future.

We take pride in her participation, which reflects the spirit of excellence and active involvement of our students beyond academics.



National Integration Camp Participation

We are proud to share that Shravya I actively participated in the National Integration Camp 2025, organized by the Ministry of Youth Affairs & Sports, Government of India, under the National Service Scheme (NSS).

The camp was conducted by the Regional Directorate of NSS, Guwahati, in association with Kumar Bhaskar Varma Sanskrit and Ancient Studies University, Nalbari, Assam, and was held from 22nd to 28th December 2025. The program brought together participants from different states, promoting the spirit of national unity, cultural exchange, and social responsibility.

Through this camp, the student had the opportunity to interact with peers from diverse backgrounds, gain exposure to different cultures, and actively engage in activities that foster teamwork, leadership, and community service.

We appreciate this participation and take pride in the achievement, which reflects the student's enthusiasm towards contributing to society and embracing national integration values.



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SECRETARY



PROF. POORVI
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ASSOCIATION HEAD



PROF. SUMATHI SK
TREASURER



DEEPAK P
SECRETARY



SUMUKH R
JOINT SECRETARY



CHETHAN N
OPERATION TEAM



MANVITHY
OPERATION TEAM



SHUBHAM SINGH
TECHNICAL TEAM



SUMUKHA SHARMA K
TECHNICAL TEAM



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SRIVIDYA G M
CULTURAL TEAM

We integrate the power of technology with the vision of business to drive innovation, creativity, and growth.

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Likhitha D H



Joel Kenedy

A blend of creativity and imagination, paired with clarity and attention to detail, integrating artistic flair into organized frameworks

To Connect With Us



Technology today is
mechanated-like
bites that connects
ideas with possibilities. As
aging engineers we
learn to use this power
with responsibility,
creativity, and purpose.
Every project we
undertake is a step
toward understanding
how technology can
shape industries and
improves

Business systems
used to look beyond the
technical side and
understand the value of
strategy, design and user
experience. It teaches us
to think holistically,
recognizing that what we
build today is not just
functional but also impactful
and sustainable.

Though this platform
expresses our thoughts,
creativity, and vision as a
collective. This editorial
board represents a
shared journey - one
that is driven by learning,
inspired by innovation,
and committed to
making a difference.

As we move forward in
an ever-changing digital
landscape, we recognize
the importance of
adaptability and
continuous learning. The
ability to stay curious,
embrace new
technologies, and think
creatively enables us to
navigate what lies ahead.

