



A T M E
College of Engineering

DYNAMICS

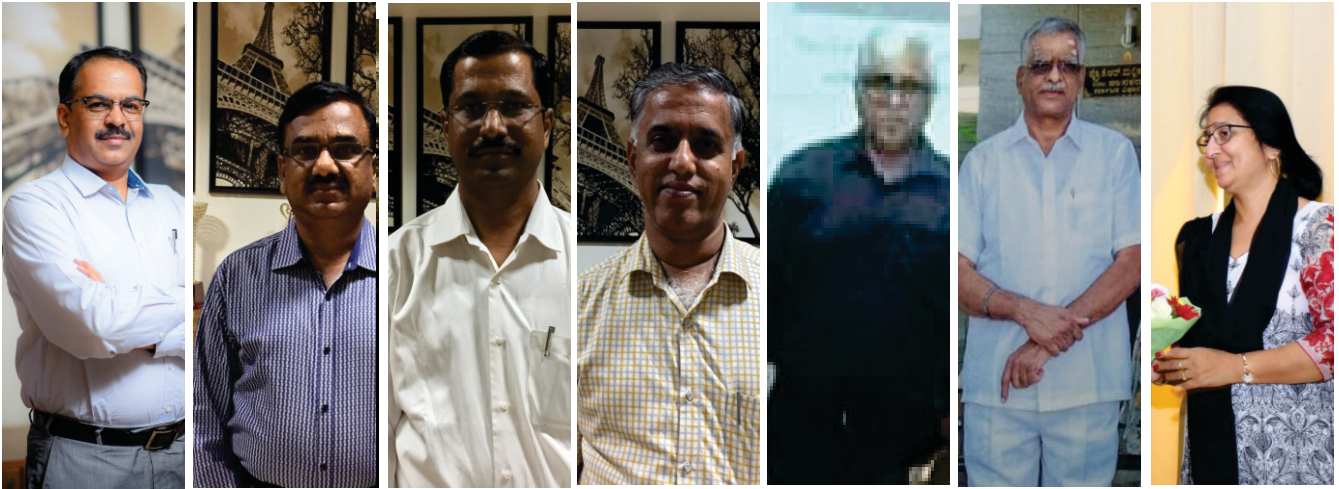
**COLLEGE
MAGAZINE**

2024

VOLUME 11



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BENGALURU TECH SUMMIT

29TH NOV - 1ST DEC 2023 ■ BANGALORE PALACE

Bengaluru Tech Summit 2024: A Comprehensive Overview

Introduction

The **Bengaluru Tech Summit 2024**, held from November 19 to 21 at the iconic Bangalore Palace, marked another milestone in India's technological growth. This summit is one of the most anticipated events on the global technology calendar, bringing together top leaders, innovators, researchers, and entrepreneurs from across the world to discuss cutting-edge technological advancements.

Event Highlights

The summit hosted participants from over 50 countries, making it a truly international gathering. With more than 460 speakers, 700+ exhibitors, and a series of technical sessions and workshops, it served as a global platform for networking, learning, and collaboration in the realms of technology, innovation, and research.

The event featured a diverse range of topics, including Artificial Intelligence (AI), Machine Learning (ML), Internet of Things (IoT), blockchain technology, cybersecurity, and more. Key sectors such as fintech, edtech, medtech, and green tech were prominently represented, showcasing the cross-industry nature of innovation today.

Key Speakers and Sessions

1. International Experts

Several high-profile figures from around the globe were invited to speak at the event. Among them were industry leaders, government officials, and visionaries.

2. Panel Discussions

The event hosted dynamic panel discussions, where experts debated and shared insights on future tech trends. Topics like the ethics of AI, digital transformation, smart cities, and India's role in the global tech ecosystem were among the central themes.

3. Workshops and Exhibitions

Hands-on workshops allowed attendees to delve into practical applications of technologies such as AI, machine learning, and blockchain. Meanwhile, the exhibition spaces provided an opportunity for startups and tech giants to showcase their latest products, innovations, and solutions.



Thematic Focus Areas

1. Artificial Intelligence and Machine Learning

One of the main attractions at the Bengaluru Tech Summit 2024 was the deep dive into AI and ML technologies. These sessions covered the current state of AI research, its real-world applications, and future potentials, especially in sectors like healthcare, finance, and education. Attendees also got a closer look at India's strides in AI and the opportunities the country holds in becoming a global leader in this space.

2. Smart Cities and IoT

With India rapidly urbanizing, the summit placed significant emphasis on the role of **smart cities** and **IoT** in shaping the future of urban infrastructure. Experts presented the latest innovations in city management, energy efficiency, mobility, and waste management that rely heavily on IoT solutions.

3. Blockchain and Cybersecurity

As cybersecurity continues to be a critical concern worldwide, the summit featured sessions dedicated to addressing challenges in data protection, encryption, and blockchain technology. Special discussions focused on blockchain's potential to transform industries such as supply chain management, finance, and digital identities.

4. Sustainability Tech

Given the increasing focus on environmental sustainability, the summit highlighted how emerging technologies, including renewable energy solutions, sustainable manufacturing processes, and climate-tech innovations, can drive positive change for the environment.

Notable Exhibitors and Startups

The **Bengaluru Tech Summit 2024** attracted hundreds of exhibitors, including **startups** from India's vibrant tech ecosystem. The summit showcased the growing prowess of the **Indian startup scene** and served as a platform for emerging technologies and businesses. Notable sectors included **healthtech, agritech, edtech, and green tech**. Several cutting-edge startups unveiled groundbreaking technologies, and many investors were on-site looking for the next big disruption.

Key Innovations Unveiled

Among the many innovations unveiled at the summit were next-generation **AI-powered healthcare tools, robotic systems** for manufacturing, **5G infrastructure technologies**, and **autonomous vehicles**.

One of the most talked-about innovations was a **drone-powered delivery system**, which could revolutionize last-mile delivery logistics in India's urban areas. Additionally, the summit also showcased advancements in **quantum computing**, with discussions about how this technology could transform industries ranging from cryptography to materials science.

Impact and Global Significance

Bengaluru Tech Summit 2024 further solidified India's position as a global technology hub. The event allowed international players to witness first-hand India's growing influence in tech innovation. With India being home to one of the largest tech talent pools in the world, it is becoming an essential part of the global technology supply chain.

The summit highlighted India's significant role in the rapidly evolving tech landscape and served as a catalyst for international collaboration. It facilitated networking opportunities, partnerships, and discussions on both national and global tech policies.

Conclusion

The **Bengaluru Tech Summit 2024** was a grand success, providing a platform for discussing the future of technology and its potential to solve the world's most pressing challenges. It helped reinforce India's position as a leader in global technology innovation, providing entrepreneurs, researchers, and businesses with the tools and insights needed to thrive in a rapidly evolving digital landscape.

By bringing together the best minds in technology, innovation, and entrepreneurship, the summit was a testament to how collaboration and shared vision can drive progress and create a brighter future for all.

Main Advantages of Bengaluru Tech Summit 2024:

- 1. Networking Opportunities:** The summit offered an excellent platform for attendees to connect with industry leaders, policymakers, innovators, and technocrats, enabling collaborations and partnerships.
- 2. Knowledge Sharing:** The summit hosted over 85 conference sessions and 450+ speakers, covering critical topics like IT, DeepTech, Biotech, Electronics, and more.
- 3. Exhibitions and Product Launches:** Multi-pavilion exhibition halls provided businesses with the opportunity to showcase their products and innovations to a large audience.
- 4. Global Collaboration:** Special tracks like the Global Innovation Alliance and the India-US Tech Conclave facilitated international collaborations, enhancing the global reach of the event.

Notable Speakers and Their Designations:

- 1. Siddaramaiah** - Hon'ble Chief Minister of Karnataka
- 2. D.K. Shivakumar** - Hon'ble Deputy Chief Minister of Karnataka
- 3. Priyank Kharge** - Hon'ble Minister for Information Technology & Biotechnology and Rural Development & Panchayat Raj, Govt. of Karnataka
- 4. Dr. Kiran Mazumdar-Shaw** - Executive Chairperson and Founder, Biocon Limited; Chairperson - VGBT, Govt. of Karnataka
- 5. Kris Gopalakrishnan** - Chairman, Axilor Ventures; Chairman - VGITE, Govt. of Karnataka
- 6. Prashanth Prakash** - Partner, Accel; Chairman - VGST, Govt. of Karnataka
- 7. Dr. Ekroop Caur, IAS** - Secretary to Government, Dept. of Electronics, Information Technology, Biotechnology and Science & Technology, Govt. of Karnataka
- 8. Arvind Kumar** - Director General, Software Technology Parks of India (STPI)



Key Highlights of Bengaluru Tech Summit 2024:

1. Global Participation:

- Representatives from over 15 countries participated, including Australia, the UK, France, Germany, Switzerland, Israel, and the USA. This fostered international collaboration and exchange of ideas.

2. Inauguration of Global Innovation Districts:

- Karnataka Chief Minister Siddaramaiah announced the creation of three new global innovation districts in Bengaluru, Mysuru, and Belagavi. These districts aim to decentralize technological advancements, promote regional growth, and enhance job opportunities.

3. Strategic Partnerships:

- Major corporations like Microsoft, Intel, Accenture, IBM, and the BFSI Consortium signed Memorandums of Understanding (MoUs). These agreements focus on upskilling over one lakh young professionals, reinforcing the state's commitment to workforce development.

4. Startup Pavilion:

- A dedicated startup pavilion showcased cutting-edge products and solutions from various sectors like health tech, agri-tech, manufacturing, and edutech. Over 2,500 startup attendees participated, emphasizing the summit's role in fostering innovation and entrepreneurship.

5. Focus on Emerging Technologies:

- The summit featured sessions on topics such as IT, Deeptech, Biotech, Electronics, and Semiconductors. It offered valuable insights into the latest technological advancements and trends in these fields.

6. Exhibitions and Product Launches:

- The summit also served as an exhibition platform, with businesses showcasing their latest innovations and products to a global audience, creating new business opportunities.

7. Knowledge Sharing Sessions:

- Over 85 conference sessions took place, providing valuable learning opportunities for attendees. These sessions covered diverse topics, from advanced technologies to industry-specific solutions.

8. Nurturing the Startup Ecosystem:

- The event highlighted the importance of nurturing startups and fostering innovation within the tech ecosystem. It provided opportunities for startups to connect with investors, collaborators, and industry leaders.

Key Takeaways:

The Bengaluru Tech Summit 2024 was a vital event for tech enthusiasts, innovators, startups, and policymakers. It provided a platform for global collaboration, knowledge sharing, and business networking, with a focus on emerging technologies and the future of industries like IT, Biotech, and Deeptech. Strategic announcements like the establishment of Global Innovation Districts and the signing of MoUs with major tech companies were crucial steps in strengthening Karnataka's position as a technology hub.

MESSAGE FROM PRINCIPAL



Dr. Basavaraj L **Principal**

Dear Students,

ATMECE has emerged as a prominent institute offering quality engineering education. All round continuous constructive changes in infrastructure and academic standards have helped us to build a brand name. We are able to achieve an enviable position due to the concerted efforts by the committed students, dedicated staffs and caring pragmatic management. On behalf of Management and everyone, I wholeheartedly thank the editorial team of “Dynamics” for their untiring efforts in bringing out “Dynamics” 2024. I wish the readers a happy reading. I message

Dr Basavaraj L
Principal, ATMECE

TABLE OF CONTENTS

01 EDITORIAL DESK 1

**02 DEPARTMENT REPORTS
2-83**

**03 WOMEN CELL ACTIVITY
REPORT
84-93**

04 ARTICLES 94-101

05 ATMEYA 102-105

**06 PHOTOGRAPHY &
SKETCHES 106-110**



Message from Editorial Team

As the summer sun glows pleasantly to heat up everything, the creativity and talent in every techie of ATMECE is thirsty to project his/her talents and skills. On behalf of editorial board, proudly presenting 11th issue of "DYNAMICS" designed with the a vision of quench the thirst by layering a platform for innovative ideas. The soul of creativity lies in the dream to unveil inherent talent. The power of this dream fueled us forward and made "DYNAMICS", a reality.

We are thankful to all who contributed to fulfill our dream. First and foremost let me thank our Chairman Sri Arun Kumar L, who was always with us, to provide a wonderful platform to nourish the talents. I extend my sincere thanks to Management and our Principal who always in the forefront to encourage and inspire to execute wonderful ideas. The support of all Heads of the department cannot be forgotten and I thank each one for deputing the right coordinators. It would be totally unfair if I am not mentioning the effort of editorial team who dreamt together to bring our 10th issue of "DYNAMICS" I thank all students and faculty coordinators for their overwhelming support.

I thank Mr. Nagappa T N, programmer for his design work. I also wish all outgoing students of 2024 a bright future ahead. I would like to conclude by quoting few words of former president Dr. A P J Abdul Kalam, who propagated the power of dreaming. "Dream, Dream, Dream, Dream transfer into thoughts And thoughts result in action Success will be yours."

Sincerely,

The Editorial Team

Editorial Committee

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Dr Basavaraj L, *Principal*

Chief Editor

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Coordinators

Dr. Madhusudhan K V, *Dept of BSH*

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Mr. Praveen Kumar, *Dept of EEE*

Mr. Shashank P, *Dept of CV*

Mr. Pradeep, *Dept of ECE*

Ms. Navya N, *Dept of ECE*

Mrs. Kavya P O, *Dept of CSE*

Mr. Nagappa T N, *Dept of CSE*

Student Coordinators

Abhineeth Aalthoor, *4th Sem, Computer Science & Design*

Abhilash Hebbar M U, *2nd Sem, Computer Science*

Integrating Basic Science and Humanities for Engineers



ATMECE MYSORE

Department of Basic Science & Humanities

DEPARTMENT OF PHYSICS

Science is the basis for engineering and technology. The contributions and discoveries of science have led to the development of modern technologies. Scientific findings have been refined over decades and transformed into technology. Science is the cornerstone of technological progress. Science's study of nature, or what we might call "nature" in general, is called physics. Natural events are understood by rigorous observation and reasoning. The Department of Physics at ATME College of Engineering was established in 2010 and features a modern building with a sophisticated learning atmosphere. The 120 square meter workspace of the department has a well-equipped laboratory, excellent modular experimental sets, and necessary IT infrastructure. The department's faculty members and other employees are highly engaged and dedicated. The department's faculty members and other employees are highly engaged and dedicated.

The department's faculty members have an average of 15 years of teaching experience. The department works together to support students' academic well-being. The curriculum also depends on pupils' abilities being developed. The Department of Physics is integrating Outcome Based Education by fusing many contemporary concepts, including the flipped classroom, virtual classroom, blended classroom, and online classroom, in addition to the traditional classroom.

. The faculty has cleverly prepared and set up most of the experiments, which makes it easier for the students to understand the physical concepts. The department also instructs students in STEP software simulation experiments as part of the university curriculum.

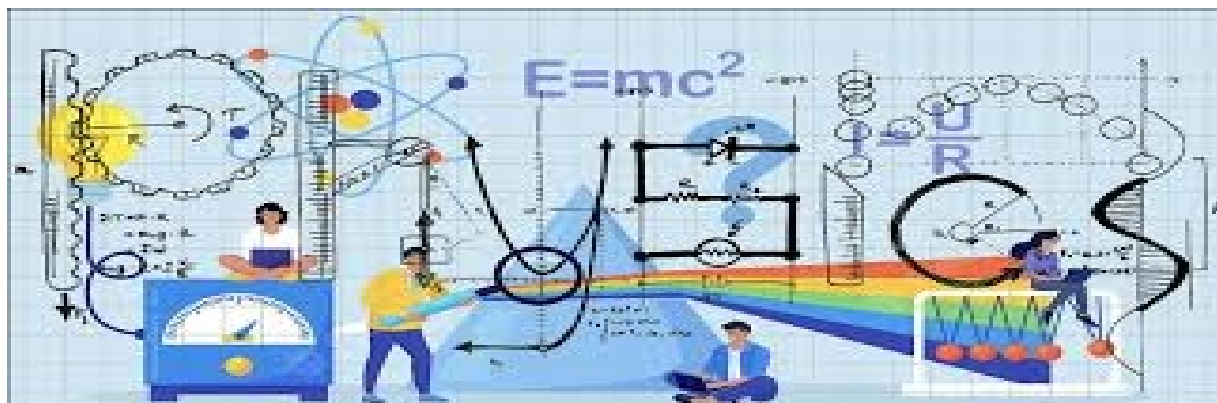
The Department of Physics has a Research Center recognized by Visvesvaraya Technological University. The research center's operates in the areas of materials, tribology, and energy devices. Two research researchers are guided by Dr. Mahesh Lohith K S, Associate Professor and Head of the Research Centre.

List of Faculty of the Department

| Sl. No. | Name | Designation | Experience | Specilization |
|---------|---------------------------|----------------------------|------------|---------------------------------------|
| 1 | Dr. Mahesh Lohith K S | Associate Professor & Head | 26 Years | Nuclear Physics, Materials, Tribology |
| 2 | Mr. Ramachandra M N(Ph.D) | Assistant Professor | 20 Years | Nuclear Physics |
| 3 | Mrs. Rani T | Assistant Professor | 16 Years | Solid State Physics |
| 4 | Dr. Madhusudhana R | Assistant Professor | 16 Years | Nuclear Physics, Nanotechnology |
| 5 | Mr.Raghavendra R(Ph.D) | Assistant Professor | 7 Years | Nuclear Physics |
| 6 | Mr. Anjan Kumar J | Assistant Professor | 7 Years | Solid State Physics |

List of Supporting Staff of the Department

| Sl. No. | Name | Designation | Experience |
|---------|-----------------------|----------------------|------------|
| 1 | Mr. Sannappa D | Assistant Instructor | 15 Years |
| 2 | Mr. Puneeth Kumar Y M | Attender | 14 Years |



Department of Mathematics

"The laws of nature are but the mathematical thoughts of god."

-EUCLID

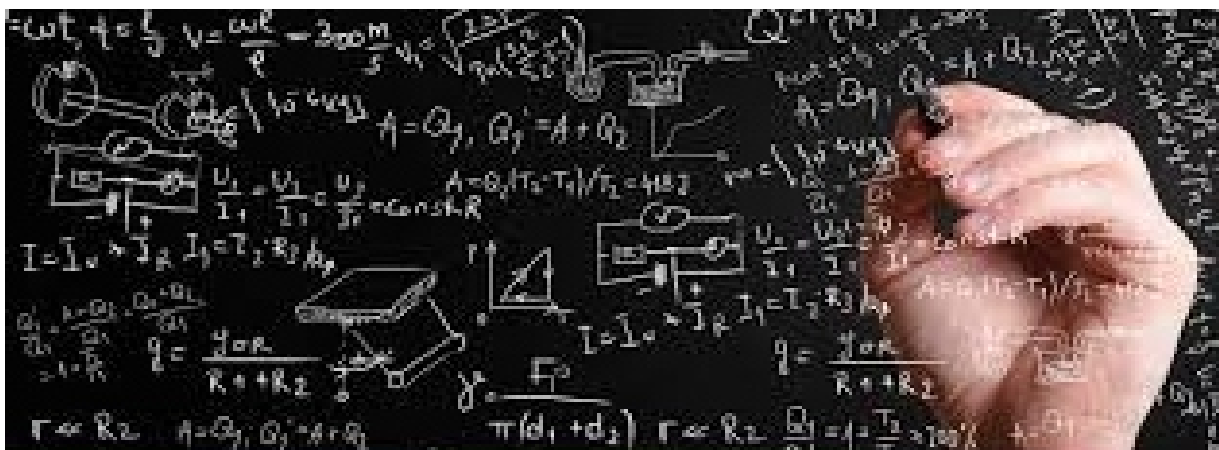
The major focus of the department is to inculcate mathematical thinking in engineering students. For this, we teach core mathematics courses to students at undergraduate level. Bridge courses are conducted for new engineering aspirants who take admission for the first year. Needy students are identified, and special classes are conducted for them to perform well. As a result of the sincere effort of the team, the department has been consistently obtaining good results.

The department faculty have published many papers in national and international journals. In addition, the faculty members have also obtained extramural support to carry out research activities and applied projects sponsored by DST, SERB and NBHM.

The department has a dedicated staff strength of 7 members. Current expertise of the faculty covers a broad range of areas including Graph Theory, Fluid dynamics, Linear Algebra, Numerical Methods, Number Theory, Probability, Statistics and Queueing Theory.

Faculty

| SI.No | Name | Designation | Experience |
|-------|-----------------------------|----------------------------|------------|
| 1 | Mr. Sudhakar N(Ph.D.) | Assistant Professor & Head | 23 Years |
| 2 | Dr. Madhusudhan K V | Associate Professor | 18.5 Years |
| 3 | Mrs. Priyanka N B(Ph.D.) | Assistant Professor | 16 Years |
| 4 | Mrs. Divya K(Ph.D.) | Assistant Professor | 16 Years |
| 5 | Mrs. Bhanu Priya J(Ph.D.) | Assistant Professor | 5 Years |
| 6 | Mrs. Sarada Pratapa (Ph.D.) | Assistant Professor | 15 Years |
| 7 | Mr. Rangaswamy (Ph.D.) | Assistant Professor | 3 Years |



About the Department of Chemistry

"Every aspect of the world today – even politics and international relations – is affected by chemistry."

- LINUS PAULING

The Department of Chemistry is the cornerstone of scientific exploration and discovery. It plays a vital role in understanding the building blocks of matter and the transformations they undergo. Our department is dedicated to nurturing curiosity, promoting analytical thinking, and developing practical skills in the fascinating world of atoms, molecules, and reactions. Chemistry is closely linked to all levels of human activity (diet, clothing, housing, transportation, health...), and understanding its language is vital to address current and future social and economic challenges. Chemistry is a unique field that is an academic subject, Research area and an industry. Future engineers and researchers may thus pursue careers in any chemistry-related field, such as: pharmaceuticals and analysis of biological compounds, materials for converting and stocking solar energy, analysis of pollutants and chemical analysis procedures for the environment, and new technologies in communications and information, in relation to materials and electrical comp

The Department of Chemistry at ATME College of Engineering, offers both theoretical and practical disciplines. Chemistry is basic in the studies of Engineering and technology. The Department has close cooperation with disciplines with all branches of Engineering. The department of chemistry is well known for its excellence in teaching and research. The faculty members of the department are well qualified and engaged in state-of-the-art research as well as guiding the Engineering projects and Ph.D. Students.

The department of chemistry at ATME College of Engineering has numerous Research articles published in Scopus/WOS/Google scholar indexed international journals.

About the Research center

The department of chemistry obtained the status of research center in the year 2014. Under chemistry department two students are awarded with PhD and one candidate has submitted his thesis, presently two students are working as research scholars at the research center.

The research lab is provided with vast area for wet lab operation and separate working place for dry lab. Both the places are well equipped with working tables, enough computers, Wi-Fi internet and other facilities such as glassware and numerous chemicals for smooth conduct of experiments.

Students and research Scholars are provided access to various journals like Elsevier, Springer, Taylor & Francis and many more. Recently we have introduced the microbiological lab for the inhibitory studies of microorganisms with respect to bacteria and fungus.

The research lab is equipped with many sophisticated Equipment's that are listed below.

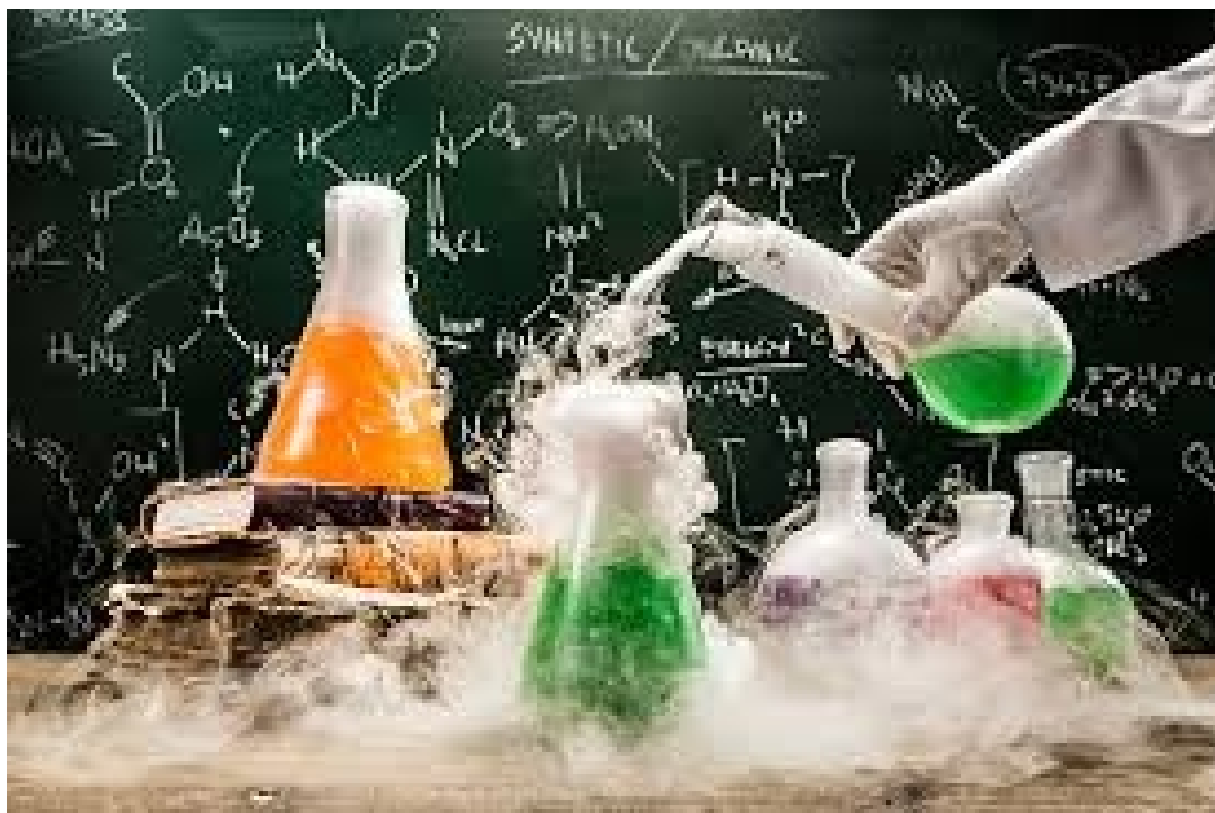
- Single beam UV-Visible Spectrophotometer & Visible Spectrophotometer
- Roto vaccum Evaporator
- Muffle furnace with temperature range of 500 °C – 1500 °C
- BOD incubator 0 °C - 100 °C, Microbiological incubator 0 °C – 60 °C.
- Hot air oven upto 400 °C,
- Four digit weighing balance
- UV chamber
- Autoclave
- Centrifuge
- Magnetic stirrers
- Hot plates.
- Distilled water plant.
- Microwave oven

Faculty

| Sl. No. | Name | Designation | Experience |
|---------|--------------------|---------------------|------------|
| 1 | Dr. Avinash K | Associate Professor | 18 Years |
| 2 | Dr. Chaitra T K | Assistant Professor | 6 Years |
| 3 | Mr. Mahendra H S | Assistant Professor | 4 Years |
| 4 | Mrs. Anusha H S | Assistant Professor | 2 Years |
| 5 | Mr. Thejasgowda B | Assistant Professor | 1 Years |
| 6 | Ms. Thejaswini B M | Assistant Professor | 1 Years |

Supporting Staff

| Sl. No. | Name | Designation | Experience |
|---------|---------------------|--------------------------|------------|
| 1 | Mr. Nandangowda J T | Assistant Lab Instructor | 1 Years |
| 2 | Mr. Lakshmana G N | Attender | 14 Years |



One thing that
you can't fake is
chemistry.

Blake Shelton



Department of Civil Engineering

Recent Advancements in Geotechniques for Infrastructure (RAGI-2024)

Association of Consulting Civil Engineers (India), Mysore Centre jointly organized with Indian Geotechnical Society (Bengaluru & Mysuru Chapter), Maharaja Institute of Technology, Mysuru, Vidyavardhaka College of Engineering, Mysuru, ATME College of Engineering, Mysuru, Sri Jayachamarajendra College of Engineering, JSS Science & Technology University Mysuru and The National Institute of Engineering Mysuru on **05th March 2024** at MIT, Mysuru.



Applications of Image Processing Technique in the field of Electronics Communication and Civil Engineering

ATME College of Engineering had organised Inaugural Ceremony of Three Days National Level Symposium on "Application of Image Processing Technique in the field of Electronics Communication and Civil Engineering" on 6th November 2023, Sponsored by SERB, DST in the college Auditorium.

Dr. Srikanth T, Program Manager, Embedded systems, L&T Services was the Chief Guest. Keynote Speaker Dr. Dwarakish G S, Professor, NITK Surathkal graced the Inaugural ceremony. The ceremony was presided over by Dr. A K Murthy, Principal, ATMECE. Dr. Basavaraj L, IQAC Director and Dr. Bhagyashree S R, Dean Research, Dr. Govinde Gowda M S, Dean Academics, Prof. Manu Vijay, HoD, Dept. of Civil Engineering and Prof. Puneeth K, Convener, Asst Prof., Dept. of Civil Engineering was present during the Inaugural ceremony.



Industrial Visit

Industrial Visit to RMC Plant, Cold Storage Unit, Concrete Block Industry & Wood Sawmill By 3rd & 5th sem Students, Department of Civil Engineering, ATMECE On 8th February 2024



SHILPI INTER-COLLEGE CRICKET TOURNAMENT-2k24”

Students and faculties of Civil Engineering Department had actively participated in inter-collegiate Cricket tournament “SHILPI Cup Inter-College Cricket Tournament” organized by Builder's Association of India (BAI), Mysuru held at SJCE Premises between 09th & 11th February 2024.



ATAL FDP - 2023

AICTE Teaching and Learning (ATAL) Academy Sponsored Six Day Faculty Development Program on Emerging Trends & It's Applications in Civil Engineering 18th to 23rd December 2023 Organized by Department of Civil Engineering, ATME college of Engineering Mysore



Catalyst - 2023

Association of Consulting Civil Engineers ACCE, Mysuru had organized Quiz Competition Catalyst 2023 for Final year Civil Engineering Students of all Engineering Colleges in and around Mysuru. In connection to this, all final year students had participated in the Preliminary round which was conducted on 20th November 2023 at ATMECE premises and 8 teams was shortlisted for the flag event conducted at Vidyavardhaka College of Engineering, Mysuru on 25th November 2023.



Industrial Outreach Program (IOP) “Practical Approach to Construction Technology

Department of Civil Engineering in co-ordination with Association of Consulting Civil Engineers (ACCE (I)), Mysore Chapter organized One-day Outreach Program “Practical Approach to Construction Technology” on 18th April 2024 at ATMECE premises.



Second Year



Sinchana Y B
8.9 CGPA



Ranjitha D R
8.7 CGPA

Third Year



Syeda Mihreen
8.8 CGPA



Pavani S
8.7 CGPA

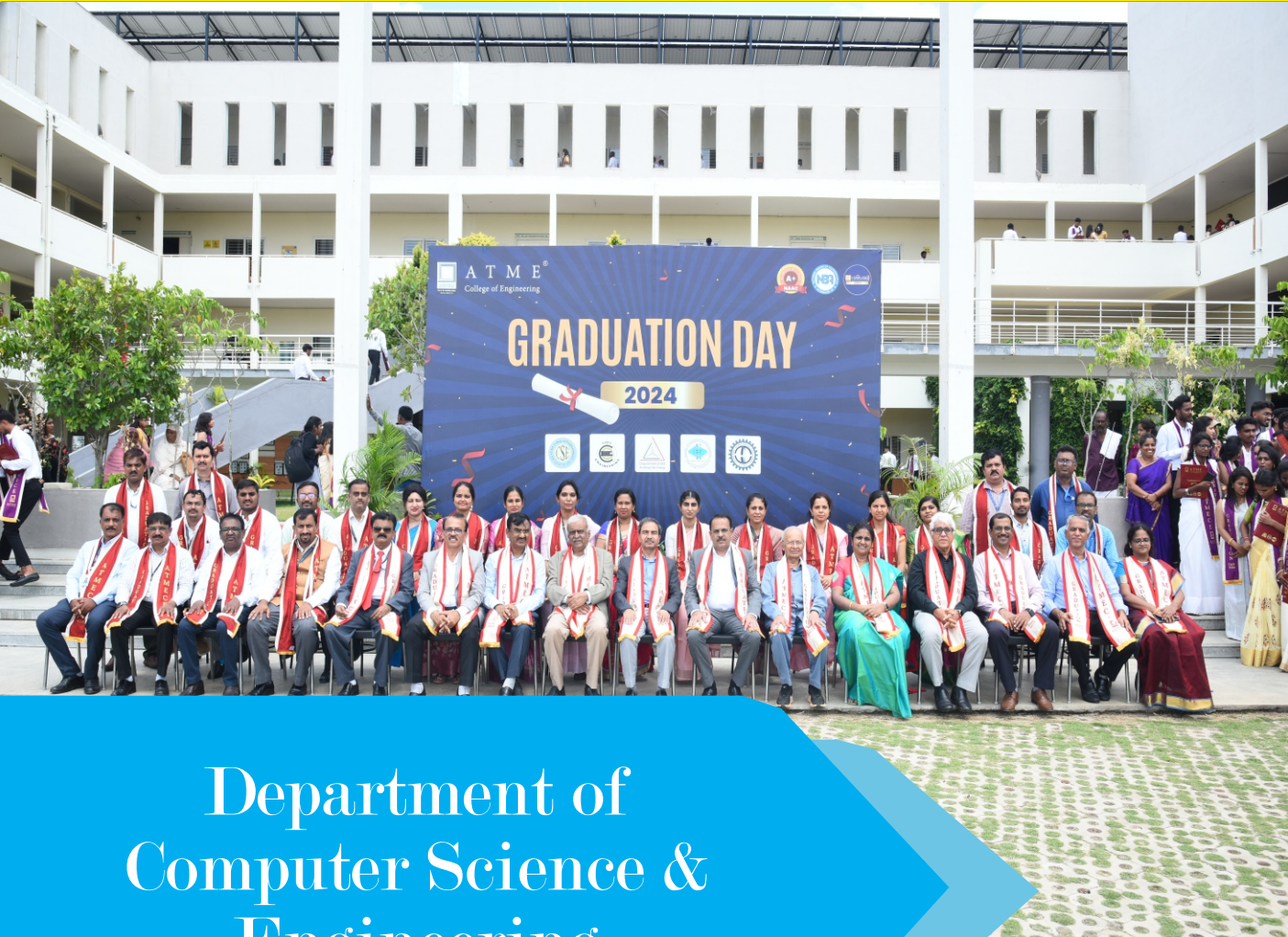
Fourth Year



Deekshitha H V
9.06 CGPA



Ashwini Raj
8.45 CGPA



Department of Computer Science & Engineering

The Department of Computer Science & Engineering started in the year 2010. It is an evolving academic centre for higher education, research and novel in the key areas of Computer Science. It has been imparting quality education to meet the technological advancements and industrial requirements. The strength of students are progressively increasing every year and this is possible due to qualified and experienced faculties with excellent academic delivery process imparted. The first initiative taken by the department is “Computer Society of India - Student Branch”, which is a professional body at National Level, in the year 2012, all the students have got enrolled as members to this branch. The department has obtained CSI institutional membership and maximum teaching faculties have become CSI life members and platform is provided for the students to enhance their technical skills by participating in various events conducted under this professional body.

Department has Centre of Excellence in networking -CISCO, by providing CCNA Certification to students in networking and all final and pre final year semester students have done internship under this programme. The Department signed MOU with ATEU Softwares, Mysore classmain.

Mysore to conduct various technical training for the students. The Department got sanctioned One Lakh Rupees from SERB for the three Day National Seminar conduction. The Department has got library, which believes in sharing of knowledge in the form of books, the most novel way of building the young mind by technical and ethical knowledge for students. Department also conducts various workshops, technical talks, and CSI events to students to up skill their skills. Technical training and Aptitude training is delivered to students to improve in their placement activities. Students have published various papers on project. Students actively involved in Hackthons, sports, cultural and many intercollege events and have bagged prizes.

Department Activities

Seminar on Study Abroad

The Department of Computer Science and Engineering has organized a seminar on “Study Abroad” for pre final year students to create awareness on pursuing higher studies on **12th June 2024** at 401 Seminar Hall. The talk focused on enhancement of skills for better employability & Career Development. The speaker **Mr Srinidhi G**, Strategic Alliance Manager, gave importance of pursuing higher education at abroad. He emphasized on new perspectives, learn how to navigate different cultures, work with diverse peers, and communicate in other languages, Study abroad career opportunities etc, Students actively participated in the event and obtained in depth knowledge on career opportunities at abroad .



Speaker addressing the students

Conclusion

This seminar successfully empowered participants with essential skills and knowledge related to higher studies abroad. It was an interactive session and students gave positive feedback.

Coordinator

Mrs Keerthana M M

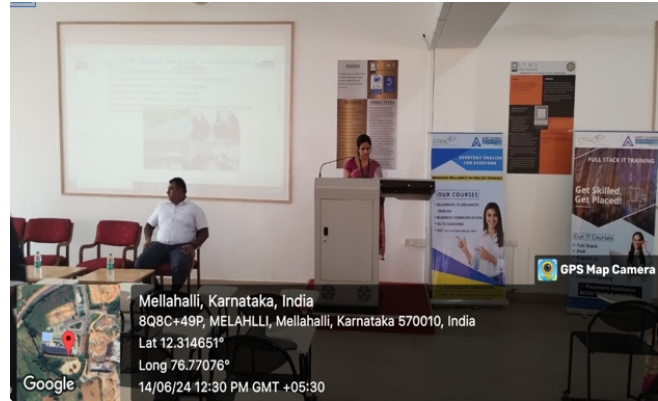
HOD

(Dr Putte Gowda D)

Technical Talk on “Full stack Development”

The Department of Computer Science and Engineering has organized a technical talk for 6th a semester students on 14th June 2024 at 401 Seminar Hall. The technical talk focused on skills that enable students to understand current market requirements and demands of full stack development. The talk covered with importance, roles of full stack developer , job purpose ,future of full stack development and many more.

The Speaker **Mr Ajay Sreenivas, CEO of Green Field Training Academy (GTRAC)** provided complete information with respect to Full stack development for the students.



Introduction of the speaker

Conclusion

This Technical talk successfully empowered participants with essential skills and knowledge related to full stack development. Carrier opportunities in the related field were also discussed Feedback from participants was overwhelmingly positive and expressed their thoughts in conducting a workshop.

Coordinator

Mrs Keerthana M M

HOD

(Dr PutteGowda D)

Technical Talk on “New Age career in Digital Era with Emerging GENAI Trends”

The two-day workshop on “Full Stack Development for Industry” was organized for the 6th semester CSE-Students by the Department of Computer Science & Engineering, ATMECE, Mysuru, held on 28th & 29th June 2024 at 401 Seminar hall, ATMECE campus. The workshop aimed to equip participants with comprehensive knowledge and practical skills required for modern web development, covering both front-end and back-end technologies and to make the students industry ready.

Key Takeaways from Day-1: Participants gained proficiency in building responsive, visually appealing web pages using HTML, CSS, and JavaScript. They also explored the role of frameworks in accelerating front-end development.

Key Takeaways from Day-2: Participants learned how to develop robust back-end systems using Node.js and Express, create and manage databases, and deploy applications in realworld environments. They also gained insights into the importance of security and scalability in web applic



Technical Talk on “New Age career in Digital Era with Emerging GENAI Trends”

The Department of Computer Science and Engineering has organized a technical talk for 6th and 4th semester students on **21st June 2024** at 401 Seminar Hall. The technical talk focused on skills that enable students to increase their job prospects and chances of success.

The talk focused on new age skills demanded by industry so that they have higher chances of excelling in their placements. The talk provided a roadmap to a promising career in the technologically advanced new age. The speaker for this technical talk is **Mr Debjit Chowdhry , MBA in Marketing and**

Generative AI is fast gaining traction in businesses all over the world, and there are countless use cases emerging where GenAI has transformed efficiency, productivity, cost-effectiveness and customer service.

Key Takeaways:

- Stronger AI integration in enterprise software and workflows
- Multi-modal AI will dominate
- Regulation of AI will diverge across countries
- AI will assist humans, rather than supersede them





Conclusion

Generative AI is enabling new levels of personalization in a host of different sectors. The ability to identify highly granular patterns and preferences, at a vast scale, means that services, products and messaging can be tailored to the needs and desires of the individual user or customer. This Technical talk successfully empowered students with essential skills and knowledge related to Emerging GENAI Trends .

Coordinator

Mrs Keerthana M M

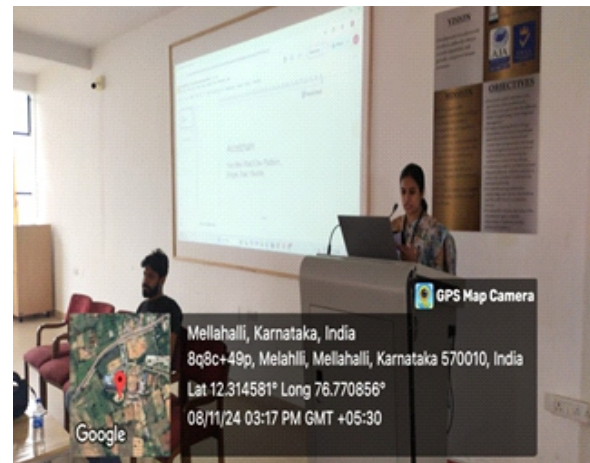
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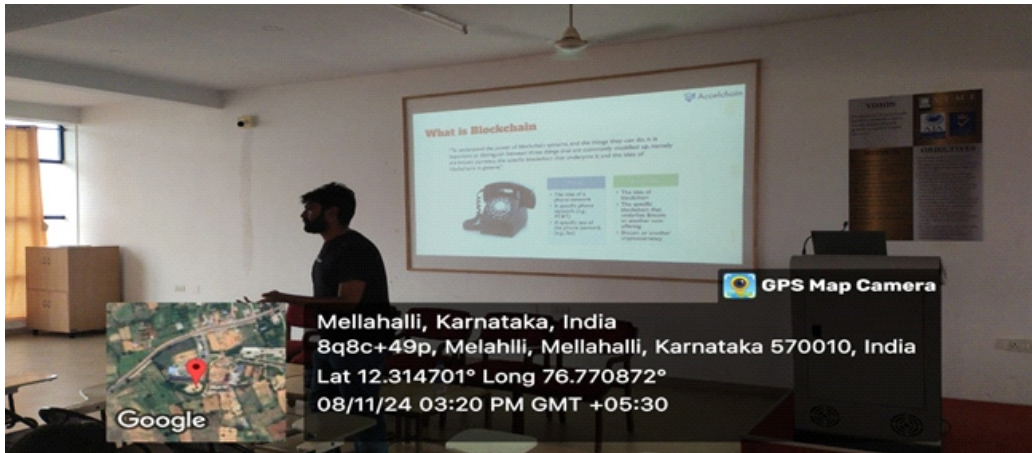
(Dr PutteGowda D)

Technical Talk on “Introduction to Block chain Technology ”

The Department of Computer Science and Engineering has organized a technical talk for 5th and 3rd semester students on **8th Nov 2024** at 401 Seminar Hall. The technical talk focused on giving an insight into Blockchain technology, importance and benefits of blockchain.

The talk also focused on discussing the carrier opportunities and future of blockchain opportunities. The speaker for this technical talk is **Mr Sreenivas Aprameya**, Founder of





Key takeaways on Blockchain Technology

1. Enhanced security, improved transparency, and increased efficiency
2. There are four main types of blockchain networks: public blockchains, private blockchains, consortium blockchains and hybrid blockchains
3. Bitcoin is a cryptocurrency, while blockchain is a distributed database
4. The purpose of the blockchain is to share information amongst all parties that access it via an application.

Conclusion

Blockchain is a shared immutable ledger that facilitates the process of recording transactions and tracking assets across a business network. Anything of value can be tracked and traded on the Blockchain network. A Blockchain is a distributed database, which is shared over a computer network.

This Technical talk successfully empowered students with essential skills and knowledge related to Blockchain Technology .

Technical Talk on” Cyber Hygiene Practices to achieve cyber safety

The Department of Computer Science and Engineering has organized a technical talk for 5th and 3rd semester students on **25th Nov 2024** . The technical talk focused on giving an insight into Cyber Hygiene Practice. The resource person for the workshop was **Mr Vipul Kumar,Project Associate, CDAC Bangalore.**

Cyber hygiene practices are a set of actions that can help keep your devices, networks, data, and users safe from cyber threats. The practices and procedures that individuals and organizations use to maintain the health and security resilience of their systems, devices, networks, and data.

The main goal of cyber hygiene is to keep sensitive data secure and protected from cyber-attacks and theft. The main goal of cyber hygiene is to keep sensitive data secure and protected from cyber-attacks and theft.



The speaker advised and guided students to have some cyber hygiene practices to help to achieve cyber safety, Following are some of the safety measures

1. Use strong passwords
2. Use antivirus and antimalware software
3. Use network firewalls
4. Update software regularly
5. Back up data
6. Be cautious of phishing attacks
7. Secure your home or business Wi-Fi networks



STUDENTS ACHIEVEMENT

CONGRATULATIONS!!

Mr.Rahul R, Participated in Base Ball Mysore City Inter Collegiate Tournament conducted at SBRR Mahajana First Grade College on 14-03-2024 and won 2nd Place.



CONGRATULATIONS!!

Mr.Syed Mahtab M, Participated in "Start Up IDEAS" For INSTITUTE OF INNOVATION COUNCIL held on 21st ,June, 2024 and Represented National level Inter College Entrepreneurship competition held at Cresta PU college on 9th and 10th March, 2024. He has Won 2nd Place in Competition.

FOURTH YEAR

| SI No | USN | Name | CGPA |
|-------|------------|--------------------------------------|------|
| 1 | 4AD20CS032 | KAVANA K R | 9.19 |
| 2 | 4AD20CS034 | LAKSHMI C | 9.13 |
| 3 | 4AD20CS049 | MUZAMMIL HUSAIN ABOOBAKAR SHANTAGERI | 8.70 |
| 4 | 4AD21CS404 | MOHAMMED ARSHAD | 8.63 |

THIRD YEAR

| SI No | USN | Name | CGPA |
|-------|------------|-------------------|------|
| 1 | 4AD21CS044 | M K DECHAMMA | 9.31 |
| 2 | 4AD21CS074 | RACHANA N A | 9.17 |
| 3 | 4AD21CS069 | PRARTHANA UTHAPPA | 9.15 |
| 4 | 4AD21CS101 | SUSHMITHA C K | 8.93 |
| 5 | 4AD21CS093 | SOWNDARYA H B | 8.87 |

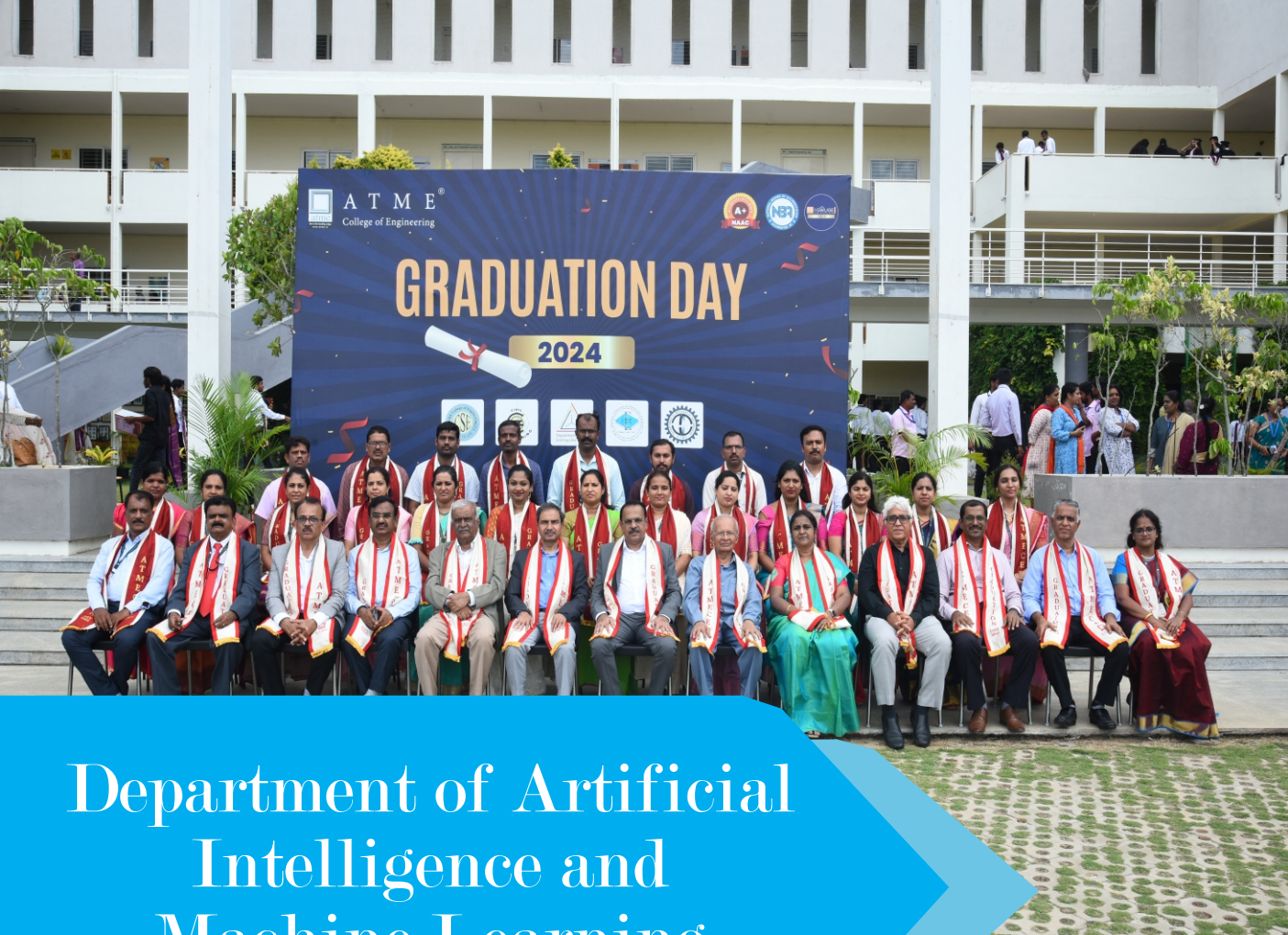
SECOND YEAR

| SI No | USN | Name | CGPA |
|-------|------------|----------------------|------|
| 1 | 4AD22CS093 | ROOPASHREE K N NAYAK | 9.48 |
| 2 | 4AD22CS086 | RAJENDRA A | 9.33 |
| 3 | 4AD22CS041 | KALPANA LAHARI B | 9.15 |
| 4 | 4AD22CS019 | CHANDANA M R | 9.10 |
| 5 | 4AD22CS063 | NAVEEN L D | 9.07 |

FIRST YEAR

| SI.No. | USN | Name | CGPA |
|--------|------------|--------------|------|
| 1 | 4AD23CS107 | SUHANA S | 9.50 |
| 2 | 4AD23CS030 | DHANUSH H | 9.45 |
| 3 | 4AD23CS118 | YASHASWINI R | 9.35 |
| 4 | 4AD23CS116 | VIJAY R GALI | 9.20 |
| 5 | 4AD23CS053 | KISHORE S V | 9.10 |





Department of Artificial Intelligence and Machine Learning

The Department of AIML at ATMECE is dedicated to impart constructive and quality technical education with high standards at undergraduate level. The faculty members of the department are committed to make our students by providing the expertise and proficiency in Artificial Intelligence and Machine Learning to tackle the issues of societies. Department is well equipped with all modern computing facilities to meet the academic and industrial requirements. AIML can be used to create computer programs that mimic human conversation. AIML can also be used to create virtual assistants, which are computer programs that can perform tasks such as scheduling appointments and sending emails. Additionally, AIML can be used to create educational software, which can be used to teach people about topics such as history or science. The objective of the program is to provide an experiential learning opportunities such as hands-on experience and project-based learning, indulge in research projects, and internships which provide a strong foundation to work across the globe. We at ATMECE more prominence is placed on elevating the students learning experience by providing value-added courses, skill-enhancement programs, and motivate students to participate in technical symposiums, hackathons organized by premier institutes across the nation.

The students, faculty, and staff of AIML at ATMECE, we believe in teamwork, we inspire, encourage each other, we help each other, and, most importantly, we trust each other. This is the key to make our students success at AIML program at ATMECE. To bring the success and laurels to the department we focus more on constructive engagements which will enable employment opportunities to our students.

I am confident that the Department of Artificial Intelligence & Machine Learning at ATMECE is stalwartly prepared to face the new societal issues and challenges in this new IT era with Indian Talent (IT). We hope and assure that we transform our students in all dimensions of their student life to become better citizen of this nation for better India and better world.

Vision of the Department

- To impart technical education in the field of Artificial intelligence and machine learning of topnotch quality with a high level of professional competence, social obligation, and global cognizance among the students.

Mission of the Department

- To impart technical education that is up to date, relevant and makes students to compete at global level
- Fostering an ambiance where students can adopt the suitable moral, intellectual, emotional, and physical attributes to shine as the leaders of tomorrow's society

3D-Printing Project

- The students of 6th semester CSE(AIML), Nikhila Kumara and Mohammed Fahad Khan, underwent an internship on 2D and 3D designing and 3D printing, at Pharos Innovation Private Limited. As a part of learning the students tried 3D printing different models at the DST 3D facility available in the ATME campus under the guidance of Mrs. Savitha Nagaraju, Assistant Professor, CSE(AIML).



Students of CSE- AIML working on 3D printing

- The funding of this project from CSE(AIML) department fund. The objective of the internship was to gain hands-on experience in operating 3D printers, understanding their functionality, and mastering various printing techniques. Develop proficiency in CAD software (e.g., SolidWorks, Autodesk Fusion 360) to create and modify 3D models suitable for printing, focusing on accuracy, complexity, and optimization for specific printing methods.
- **Technical Talk on “Natural Language Processing with Machine and Deep Learning-Text to Context”**
- Technical Talk on “Natural Language Processing with Machine and Deep Learning-Text to Context” was organized by the department of CSE- AIML on 27 June 2024 for VI Sem students of AI &ML department. The resource person was Dr. MEENAKSHI H M , Senior Principal Consultant- learning · Infosys.



Faculty List

| Si.N o | Name | Qualification | Designation |
|-----------|-----------------------|------------------|--------------------------|
| 1 | Dr. J V Gorabal | BE, M.Tech,PhD | Assoc.Professor and head |
| 2 | Dr. Hussana Johar R B | BE, M.Tech,PhD | Assoc.Professor |
| 3 | Pooja P P | BE, M.Tech,PhD | Assistant Professor |
| 4 | Khateeja Ambareen | BE, M.tech(Ph.d) | Assistant Professor |
| 5 | Vanitha G Nayak | BE, M.tech | Assistant Professor |
| 6 | Savitha Nagaraju | BE, M.tech | Assistant Professor |

Technical Staff List

| Si.N o | Name | Qualification | Designation |
|-----------|-----------------|---------------|-------------|
| 1 | Mr. Manjunath H | BE | Instructor |
| 2 | Ms. Geetha B | BE | Instructor |

Supporting Staff List

| Si.N o | Name | Qualification | Designation |
|-----------|--------------------|---------------|-------------|
| 1 | Mr. Basavaraju K N | Diploma | Instructor |

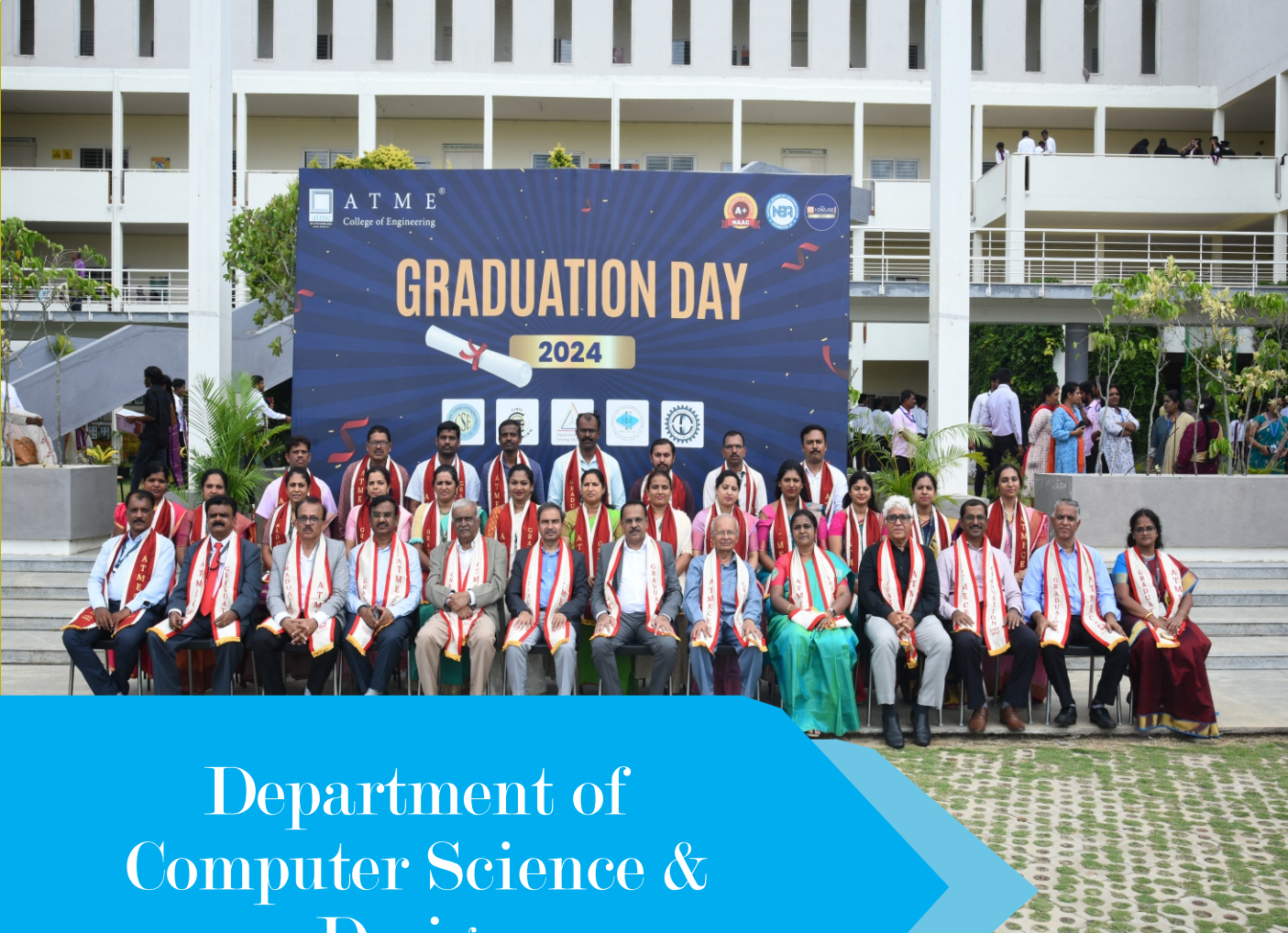
Academic Toppers

5 Semester

| | | |
|--------------------------------------|---------------------|------------------|
| Bhavana S P Picture is shared | Yashaswini S | Manushree |
| | | |

3 Semester

| | | |
|--------------------------------|---------------------|-------------------|
| Reem K Picture is share | Syed Farhaan | Sanjan B M |
| | | |



Department of Computer Science & Design

Two days workshops on Artificial Intelligence, Power BI, and AR/VR

The Department of Computer Science and Design (CSD), in collaboration with the student-founded startup **SKULERR, India**, and the **Institution's Innovation Council (IIC)**, organized a two-day workshop focusing on cutting-edge technologies in the fields of **Artificial Intelligence (AI)**, **Power BI**, and **Augmented Reality/Virtual Reality (AR/VR)**. The event took place on **24th and 25th July 2024** at the college premises and was designed specifically for students from the **Computer Science and Engineering (CSE)** and allied branches. The objective of the workshop was to provide students with practical exposure to these rapidly evolving domains and empower them with industry-relevant skills.

The workshop was a **hands-on training session** conducted by renowned professionals from **Microsoft** and **TechShiksha**, providing students with a blend of theoretical knowledge and practical experience in the areas of AI, Power BI, and AR/VR. The sessions were interactive and involved real-world case studies, providing students an opportunity to gain insights into the latest advancements in technology.



Trainers of the Event:

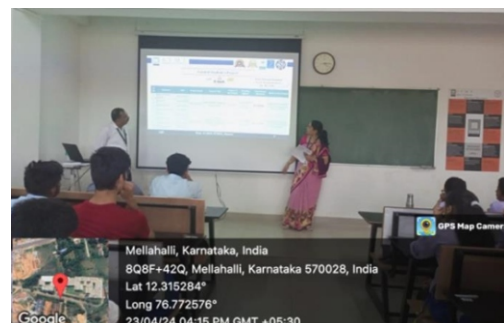
1. Mr. Shridharan V, Associate Vice President, Global Logic, A Hitachi Company
2. Mrs. Poornima S, Microsoft Valued Professional, NextGen Coach, AI Instructor, TechShiksha
3. Mr. Vinoth E, AI and AR/VR Instructor, TechShiksha



Student Awareness Session on VTU Regulations

Student Awareness Session on VTU Student Awareness Session on VTU Regulations, NPTEL Course Registration, AICTE AGP and other Institute Policies was held on 23.04.2024 at C204, for First Year students of the department. The Head of the Department, Dr.

Nasreen Fathima started the introductory session by presenting the achievements and highlights of the department and encouraged students to participate in various events.



Prof. Yogesh N briefed the students about the Importance of NPTEL course registration and certifications and also the AICTE AGP activities so that the students can plan their activities accordingly to complete before the last semester. Prof. Arjun G S informed the students about the NPTEL marks consideration to the assignments in the institute.



Technical Talk on Charting Future Opportunities in AR, VR & AI

The Department of Computer Science and Design at ATMECE hosted a technical talk titled “Charting Future Opportunities in AR, VR & AI” on October 28, 2024, in the college seminar hall. Dr. Thotringam Kasar, Director of the Edspire Research Centre in Mysuru, was the speaker, sharing insights into the emerging opportunities within the fields of AR, VR, and AI. The event was attended by Dr. Basavaraj L, Principal; Dr. Nasreen Fathima, Associate Professor and Head of the Department; Dr. Pavithra A C, event coordinator; along with faculty and students.



Industrial Visit to Cyber Security Centre of Excellence at MYRA School of Business, Mysuru on November 9, 2024

The department of Computer Science & Design together with Department of Computer Science & Engineering- Cyber Security organized a visit to the “Cyber Security Centre of Excellence” Lab at MYRA School of Business, Mysuru on November 9, 2024, for 3rd semester students. The CoE is outfitted with cutting-edge labs, tools, and technologies designed to train both students and professionals to effectively address modern Cyber Security challenges. It acts as a hub for both theoretical learning and practical experience in the dynamic field of Cyber Security. This visit provided an opportunity to explore how Cyber Security principles are applied in real-world scenarios, engage with industry experts, and learn about the latest technologies shaping the Cyber Security landscape.



Industrial Visit to Microsoft Office, Luxor, Bangalore

The department of Computer Science & Design in association with Institute Innovation Council, organized a visit to the “Microsoft Office, Luxor Tower at Bangalore” on November 23, 2024, for students of CSE & Allied branches. The visit provided students with invaluable industry exposure and networking opportunities. Led by SKULERR India members, participants attended insightful sessions by Microsoft experts:

Mr. Sagnik Banerjee discussed technology's future and Microsoft's innovations.

Ms. Shreya Suman highlighted Generative AI tools like Copilot.

Mr. Nirmal Krishna guided students on joining the Azure Community.

Interactive activities and networking enhanced the experience, with winners receiving exclusive goodies. The event boosted students' professional technical connections, skills, and enthusiasm for innovation, embodying SKULERR India's vision of blending academic learning exposure. with industry



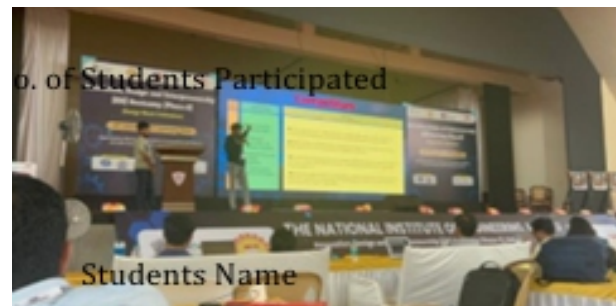
Anveshana – 2024 National Level Prototype Competition

Anveshana 2024 – National Level Prototype Competition was held on 23-02-2024 in BMS college of Technology and Management, Bengaluru, Karnataka, India. Prototype Competition theme was Swift Eye: AIML based Guardian for Immediate Threat Detection and Notification. The virtual presentation was the first round which was conducted on 30th January. The top 50 teams were called to the final round for a physical demonstration of their prototypes. Mr. Abhineet Aalthoor, Ms. B R Yashaswini and Mr. Vishwas B students of 6th semester attended the GRAND FINALE. Students were able to meet industry & academia experts and get guidance on the project to make it even more better. Knowledge transfer was one of major take away from the event.



Innovation, Design and Entrepreneurship (IDE) Boot camp Phase II

Innovation, Design and Entrepreneurship (IDE) Boot camp Phase II was held on 29-01-2024 to 02-02-2024 at NIE College of Engineering, Mysore, Karnataka, India. The boot camp aimed to introduce students to the principles of Innovation, Design and Entrepreneurship (IDE) and teamwork. Mr. Rohan Prasanna Shenoy and Ms. Shishira N of 6th semester participated in the event. The facilitators provided comprehensive guidance on pitching ideas, analysing the feasibility of solutions, and embracing the journey of trial and error in project development. The sessions encouraged students to think creatively, empathize with end-users, and brainstorm innovative solutions. Students were divided into groups comprising students from various universities and backgrounds. The challenge assigned to each group was to formulate a problem statement related to society, agriculture, or socio-economic issues. Students gained knowledge of pitching ideas in the market and qualities to become an entrepreneur.



STUDENT ACHIEVEMENTS



Students from the Department of Computer Science and Design have launched a startup named “SKULLERR”, founded by Rohan Prasanna Shenoy, a 7th-semester student, along with his fellow classmates. SKULLERR: Empowering Tech Careers SKULLERR is a student-led startup providing in-person training and career development for aspiring tech professionals. By offering hands-on workshops, industry-relevant courses, and expert mentorship, SKULLERR equips individuals with the skills needed to excel in the fast paced tech industry. Specializing in areas like software development and cybersecurity, the platform ensures students stay ahead with an evolving curriculum and career-focused support, including job placement assistance and networking opportunities. Events like hackathons and industry talks connect learners with top professionals, while scholarships and lifelong resources foster inclusivity and growth. SKULLERR is dedicated to turning tech aspirations into achievements, helping individuals launch and advance their careers.



ODD SEMESTER TOPPER LIST**3rd SEM TOPPERS LIST**

| USN | STUDENT NAME | SGPA 3rd SEM | CGPA as on 3rd SEM |
|------------|-------------------|--------------|--------------------|
| 4AD21CG038 | RAHUL PRAKASH H P | 9.52 | 9.34 |
| 4AD21CG039 | RIFA NOORAIN | 9.43 | 9.10 |
| 4AD21CG044 | UMME KULSUM | 9.05 | 9.07 |

5th SEM TOPPERS LIST


| USN | STUDENT NAME | SGPA 5th SEM | CGPA as on 5th SEM |
|------------|----------------------|--------------|--------------------|
| 4AD22CG035 | VISHWAS B | 9.22 | 9.20 |
| 4AD22CG003 | B R YASHASWINI | 8.50 | 8.84 |
| 4AD22CG014 | MOHAMMED AMEEN AHMED | 8.33 | 8.37 |

EVEN SEMESTER TOPPER LIST**4th SEM TOPPERS LIST**

| USN | STUDENT NAME | SGPA 4rd SEM | CGPA as on 4rd SEM |
|------------|-------------------|--------------|--------------------|
| 4AD21CG038 | RAHUL PRAKASH H P | 9.38 | 9.35 |
| 4AD21CG044 | UMME KULSUM | 9.52 | 9.18 |
| 4AD21CG039 | RIFA NOORAIN | 8.67 | 8.99 |

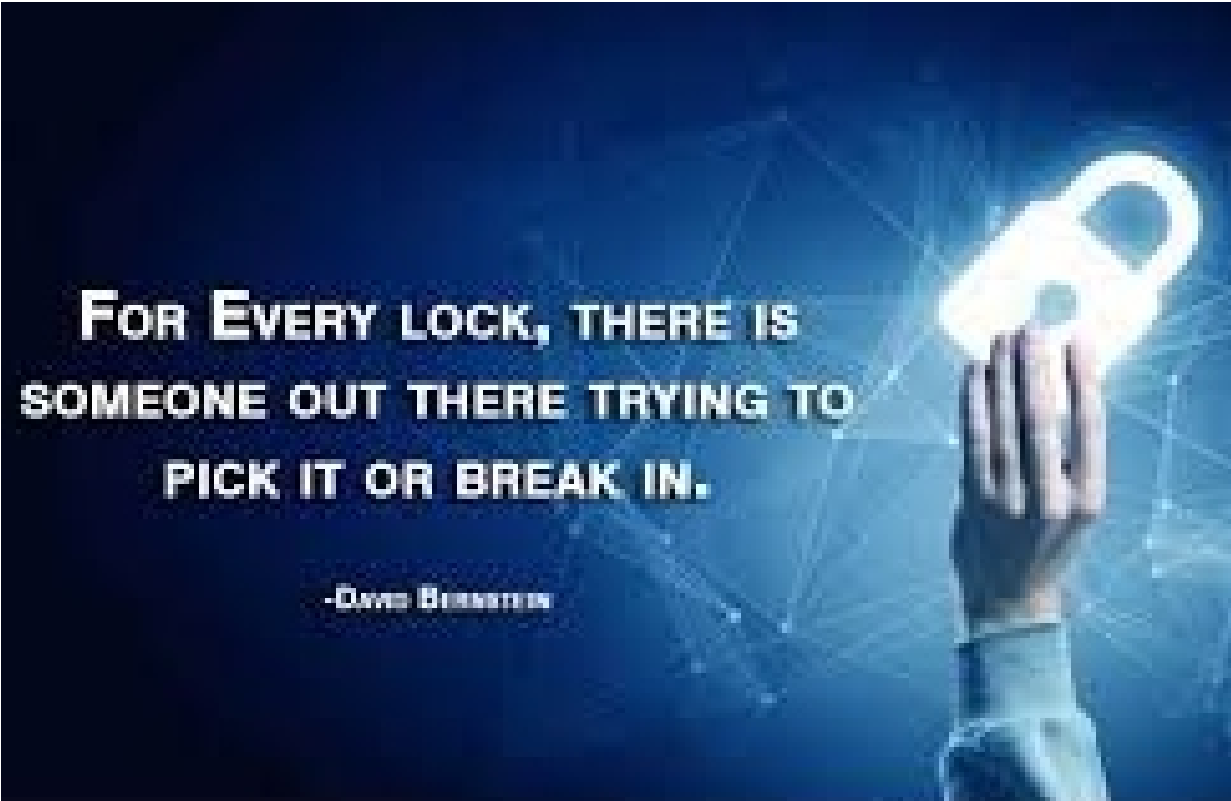
6th SEM TOPPERS LIST

| USN | STUDENT NAME | SGPA 6th SEM | CGPA as on 6th SEM |
|------------|----------------|--------------|--------------------|
| 4AD22CG035 | VISHWAS B | 9.27 | 9.22 |
| 4AD22CG003 | B R YASHASWINI | 9 | 8.86 |
| 4AD22CG014 | MOHAMMED AFNAN | 9 | 8.53 |



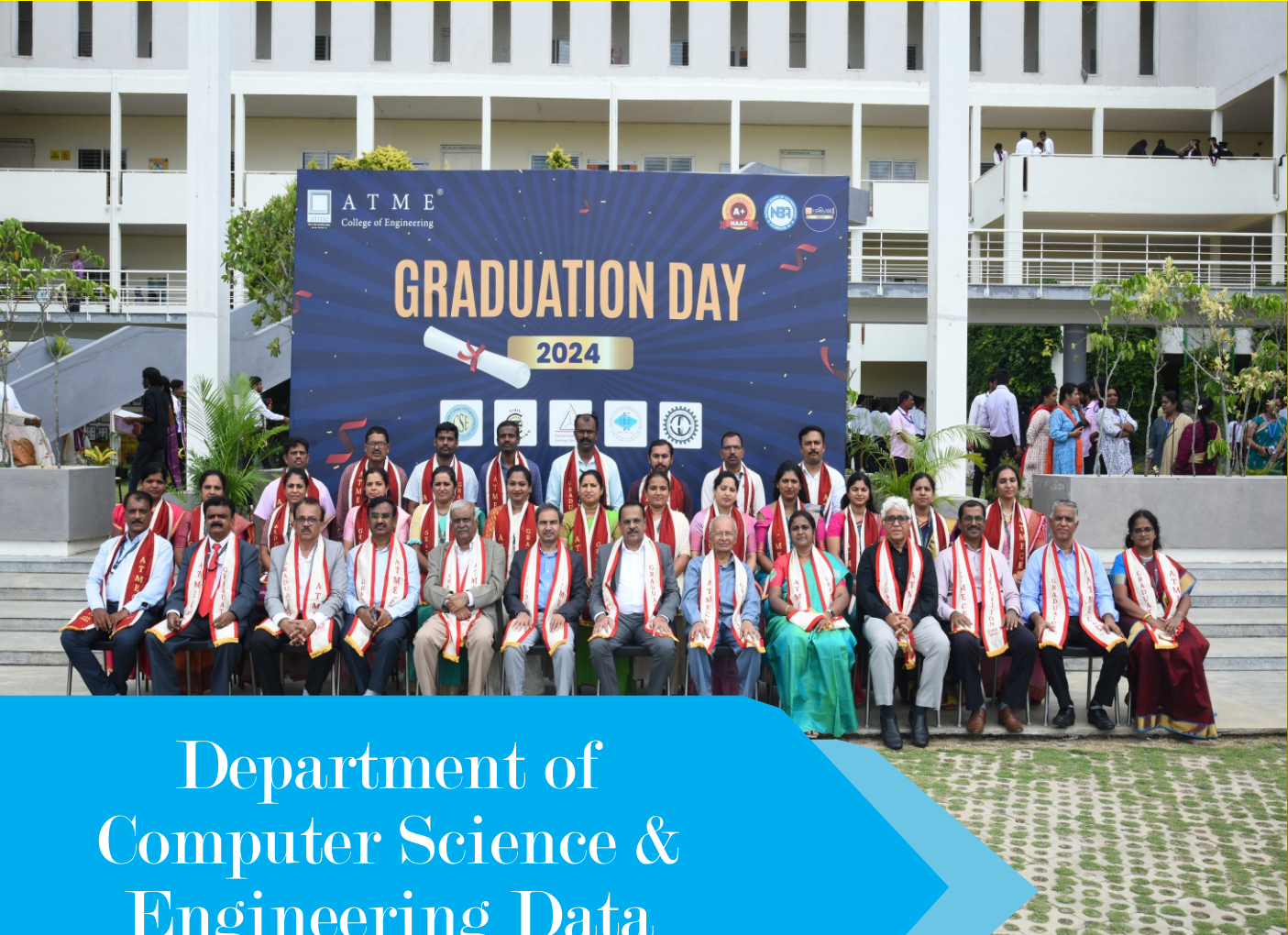
“At the end of the day,
the goals are simple:
safety and security.”

- Jodi Rell



**FOR EVERY LOCK, THERE IS
SOMEONE OUT THERE TRYING TO
PICK IT OR BREAK IN.**

-David Brin



Department of Computer Science & Engineering Data Science

The Department of Computer Science Engineering (Data Science) is supported by a team of highly qualified, passionate faculty who stay abreast of the latest industry trends. Our students are motivated and equipped with hands-on experience in cutting-edge technologies and programming languages, preparing them for successful careers in the IT sector. With a strong foundation in data science leveraging mathematical and statistical models, machine learning tools, and artificial intelligence they are well-prepared to derive insights and recommendations that address real-world challenges. The department is equipped with modern tools and technologies, and the institute provides placement training in aptitude, technical skills, and soft skills to enhance employability.

At ATMECE, we emphasize enriching the learning experience by offering value-added courses, skill-enhancement programs, and opportunities to participate in technical symposiums and hackathons organized by leading institutes nationwide. Our mission is to transform students holistically, enabling them to face societal challenges and contribute as responsible citizens to a better India and a better world.

To prepare our students for Industry-ready, the Department has MoU with IVIS labs, which provide Domain Specific Training in the area of Data Engineer, Applied Machine Learning and Generative AI. This enables the students to exhibit their Technical skills in the field of Data Engineering.

Key Milestones

- Recognized as one of the Higher Education Review Top 10 promising Colleges for Data Science in India – 2024.
- University Level sports participation from students.

Faculty

| Sl No. | Faculty name | Qualification | Designation |
|--------|--------------------|---------------|----------------------------|
| 1 | Dr. Anitha D B | PhD | Associate Professor & Head |
| 2 | Dr. Vinod Kumar P | PhD | Associate Professor |
| 3 | Ms. Ambika V | M.Tech | Assistant Professor |
| 4 | Dr. Neethi M V | PhD | Assistant Professor |
| 5 | Mrs. Madhu Nagaraj | M.Tech | Assistant Professor |

Technical Staff

| Sl No. | Name | Qualification | Designation |
|--------|-----------------|---------------|-------------|
| 1 | Mr. Babu Prasad | Diploma | Instructor |
| 2 | Mr. Naveen S | BE | Programmer |
| 3 | Ms. Bhomika L | MCA | Instructor |

Supporting Staff

| Sl No. | Name | Qualification | Designation |
|--------|-------------------|---------------|-------------|
| 1 | Mr. Yashwanth M S | SSLC | Attender |

Memorandum of Understanding MoU with IVIS Labs

ATME College of Engineering and IVIS Labs has signed Memorandum of Understanding on 17th of May 2024.

The objectives of this MoU:

- 1) Enhancing Domain Expertise in Vision-Based Technologies
 - Train AI/ML models to handle complex computer vision tasks such as object detection, facial recognition, video analytics, and autonomous systems.
 - Leverage domain knowledge to optimize solutions for real-time and high-accuracy performance.
- 2) Customized Solutions for Industry Needs
 - Address the unique challenges of industries served by iVIS Labs, such as surveillance, healthcare, logistics, or automotive sectors.
 - Develop tailored AI/ML algorithms to meet the specific requirements of clients.
- 3) Optimizing Data Utilization for Vision Systems
 - Utilize image and video datasets efficiently through domain-specific preprocessing, annotation, and augmentation techniques.
 - Build robust pipelines for managing large-scale visual data in structured formats.



Left **Dr. Anitha D B** Associate Professor & Head, Dept. of Data Science, **Dr. Vinod Kumar P**, Associate Professor, Dept. of Data Science, **Dr. Basavaraj L**, Principal, **Dr. Vinay**, IVIS Lab Director & **Mr. Guru Prasad**, Asst. Professor, Dept. of ECE.

1) Technical Talk on “Infosys Spring Board Awareness to Students”

A technical talk on "Infosys Springboard Courses and Their Applications" was organized to familiarize students on 21st June 2024 with the various online learning opportunities provided by Infosys Springboard and conveyed by Ms. **Pruthvi Adishesha**, Senior Associate Learning-ETA, Infosys.



The session aimed to highlight the relevance of these courses in enhancing technical skills, fostering career growth, and bridging the industry-academia gap.

Infosys Springboard is an online learning platform designed to provide learners with a wide range of skill-building opportunities. It offers free access to curated courses in emerging technologies, soft skills, and domain-specific knowledge. The platform serves as a one-stop solution for:

- 1. Technical Learning:** Courses in areas like Artificial Intelligence, Machine Learning, Data Science, Cloud Computing, and Cybersecurity.
- 2. Professional Development:** Training in communication, leadership, and teamwork.
- 3. Industry Readiness:** Modules on problem-solving, critical thinking, and domain-specific knowledge.

2) Technical Talk

Technical Talk on “Natural Language Processing with machine & Deep Learning – Text to Context” delivered by **Resource Person:** Dr. Meenakshi H N Senior Principal Consultant

The technical talk for VI semester students on “**Natural Language Processing with Machine and Deep Learning-Text to Context**” at 11 AM in the civil department organized by Dept. of CSE-Data Science ATME College of Engineering in association with Infosys Springboard. The event was inaugurated by Dr Anitha D B, Associate Professor and Head, Dept. of CSE-DS, ATMECE, Dr M S Sunitha Patil, Associate Professor and Head, Dept. of CSE-AI&ML, ATMECE and Dr Meenakshi H N, Senior Principal Consultant Learning ETA, Infosys. The event aimed at gaining insights of a deeper understanding of how machine learning and deep learning models

ATME[®] College of Engineering

DEPARTMENT OF CSE - DATA SCIENCE IS ORGANIZING
TECHNICAL TALK ON
NATURAL LANGUAGE PROCESSING WITH MACHINE & DEEP LEARNING - TEXT TO CONTEXT
IN ASSOCIATION WITH INFOSYS SPRINGBOARD

Date: 27/6/2024 | Time: 11:15 AM to 1:15 PM
Target Participant: VI Sem DS & AIML Students
Venue: Civil Seminar Hall

Resource Person
Dr. MEENAKSHI H N
Senior Principal Consultant Learning - Infosys

PRINCIPAL
Dr. L. Basavaraj
ATMECE, Mysuru

CONVENERS
Dr. Anitha D B
Associate Professor and Head,
Dept. of CSE-DS, ATMECE

Dr. Sunitha Patil
Associate Professor and Head,
Dept. of CSE-AI&ML, ATMECE

ORGANIZING COMMITTEE
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Ms. Ambika V
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Email: info@atme.edu.in | Web: www.atme.edu.in
13th Kilometer, Mysore - Kanakapura - Bangalore Road, Mysore - 570028

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and deep learning models are applied to extract and interpret context from natural language text. The technical talk was delivered by Dr Meenakshi H N, Senior Principal Consultant Learning ETA, Infosys. Over 100 students from 6th semester CSE-Data science and CSE-AI & MI students attended the session.

The primary goal of the session was to educate the students about the capabilities and applications of NLP and to build underlying machine learning and deep learning algorithms used in NLP, such as recurrent neural networks (RNNs), convolutional neural networks (CNNs), transformer models like BERT, GPT, and their variants. The objective is to explore emerging trends and future directions in NLP, including advancements in multilingual NLP, explainable AI in NLP models, integration of multi-modal inputs (text, images, audio), and ethical considerations in NLP applications.



3) Technical Talk on Empowering Sustainability Aligning with AICTE Activity Points”

The talk on " Empowering Sustainability Aligning with AICTE Activtiy Points " was an engaging and informative session designed to raise awareness about climate change, its causes, and the role that consumers can play in promoting sustainability. The talk was organized for third and fifth semester students on 9th October 2024 with the intention of providing them with insights on how to plan and execute activities that would help them earn AICTE activity points.



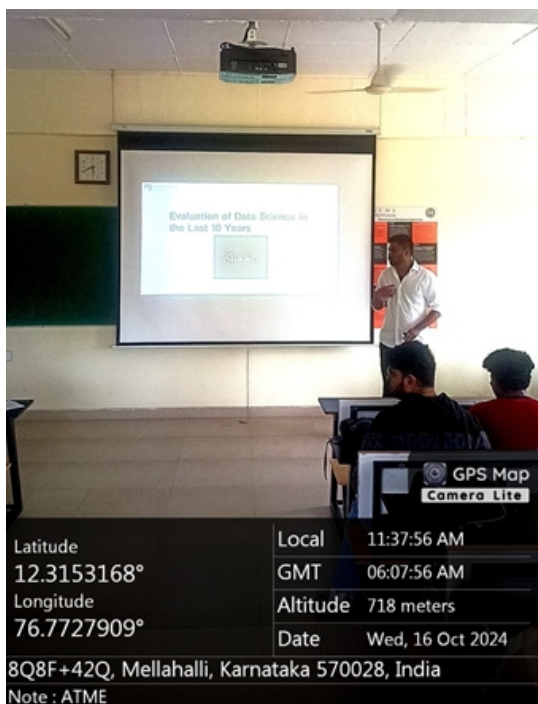
The session began with a discussion on the various signs of **climate change** that are becoming more visible globally. These include Heatwaves, Melting Glaciers, Late and Unpredictable Monsoons and Short and Long Winters. The discussion emphasized that if current trends continue, global temperatures are projected to rise by three times the current rate by 2100, leading to catastrophic impacts on both human societies and ecosystems. The talk also focused on potential solutions to mitigate climate change

4) Technical talk on “Data-Driven Innovation: Exploring the World of Data Science”

On 16th October 2024, the Department of Computer Science and Engineering at ATME College of Engineering hosted a technical talk titled "Data-Driven Innovation: Exploring the World of Data Science." The event aimed to equip students with a foundational understanding of data science and its implications in various industries. The session was led by esteemed speaker Sunil Gowda TH, Founder and Chief Data Scientist at MastersCampus Academy but also an expert in the field. He talk commenced with an overview of the data science landscape, clarifying the roles of Data Scientists, Data Analysts, and Machine Learning Engineers. This provided students with insights into potential career paths within the field. Mr. Sunil introduced foundational concepts crucial to data science, including data collection, data cleaning, data analysis, and visualization techniques.

Understanding these concepts allows students to grasp the essential processes that drive data-driven decision-making. The session highlighted the significance of data science across various sectors, including healthcare, finance, e-commerce, and marketing, supported by engaging case studies. Students learned how data science is applied to solve complex industry problems and improve business outcomes. A practical demonstration showcased the usage of data science tools, specifically Python and Jupyter Notebooks, to solve real-world problems.

This live demonstration enhanced students' understanding of the practical application of theoretical concepts. The discussion extended to career opportunities in data science, focusing on necessary skills and potential career growth. Students were guided on how to align their educational pursuits with market demands.



The session concluded with an interactive Q&A segment, where students engaged in discussions about data science's impact on future technologies and trends. Students gained first-hand knowledge of how data science is revolutionizing sectors such as supply chain management, automotive, and retail. The talk provided clarity on various career pathways within data science, including key attributes prospective employers seek in candidates.

The live demonstration allowed students to witness data science tools in action, bridging the gap between theory and practice. Engaging with Sunil Gowda provided an opportunity for students to learn from an expert with extensive experience in data science, enhancing their understanding of future endeavors in the field.



5)“Infosys Springboard - Student Enablement Program on Python Programming”

The **Infosys Springboard - Student Enablement Program on Python Programming** was successfully conducted from **18th to 20th September 2024** for third semester students. The session aimed at enhancing the students' understanding and skills in **Python programming** through structured, hands-on training.

Key Highlights of the Program:

- Course Coverage:
 - Programming Fundamentals using Python - Part 1
 - Programming Fundamentals using Python - Part 2
 - Python Foundation Certification

The program was designed to equip students with a solid foundation in Python, helping them develop essential programming skills that are widely used in industry. The session was interactive, with practical coding exercises and expert guidance from the trainers, ensuring that students gained both theoretical knowledge and hands-on experience. This enablement program helped students not only in enhancing their Python skills but also in gaining a valuable certification that can enhance their future career prospects in the tech industry.



Outcome:

- A total of **119 students** from the 3rd and 5th semesters enrolled in the program. **All 119 students successfully completed** the course, demonstrating strong commitment and engagement throughout the duration of the program.
- **104 students** were awarded the **Python Foundation Certificate of Achievement**, validating their understanding and proficiency in Python programming. This certification highlights their acquired skills and enhances their academic and professional profiles.

6) Technical talk on “Data Science & its Applications”

The technical talk for III semester students on “Data Science & its Applications” on 20th October 2024 at 11 AM in the E106 ATMECE, Mysuru – On 20/11/2024, Technical talk for III semester students on “Data Science & its Applications” at 11 AM in E106 organized by Dept. of CSE-Data Science ATME College of Engineering. The event was inaugurated by Dr Anitha D B, Associate Professor and Head, Dept. of CSE-DS, ATMECE. The session aimed to provide an introductory overview of data science and its wide ranging applications across various industries. The technical talk was delivered by Mr. Vignesh, 5th Semester, Dept of CSE- Data Science, ATMECE. Over 40 students from 3rd semester CSE-Data Science attended the session.



Faculty Members Securing MOOC Certifications (NPTEL)fosys Springboard

| SL No. | Faculty Member | Course Title | Platform | Duration |
|--------|--------------------|--|----------------------|---------------------|
| 1 | Dr. Anitha D B | <ul style="list-style-type: none"> ➤ Python for Data Science ➤ The Joy of Computing using Python | NPTEL | 4 Weeks 12 weeks |
| 2 | Dr. Vinod Kumar P | <ul style="list-style-type: none"> ➤ Introduction To Internet of Things ➤ The Joy of Computing using Python ➤ Advanced R Programming for Data Analytics in Business ➤ Cloud Computing ➤ Swayam -Introduction to Intellectual Property Rights:12 Weeks | NPTEL | 12 weeks |
| 3 | Dr. Neethi M V | <ul style="list-style-type: none"> ➤ Python for Data Science ➤ Programming in Python | NPTEL | 4 weeks 12 weeks |
| 4 | Mrs. Madhu Nagaraj | <ul style="list-style-type: none"> ➤ Python for Data Science ➤ Programming in Python | NPTEL | 4 weeks 12 weeks |
| 5 | Dr. Anitha D B | <ul style="list-style-type: none"> ➤ Introduction to Data Science ➤ Introduction to Deep Learning ➤ Introduction to AI | Infosys Springboard | |
| 6 | Dr. Vinod Kumar P | <ul style="list-style-type: none"> ➤ Agile Scrum in practice ➤ Introduction to Agile methodology ➤ Overview of Agile & DevOps ➤ Kanban In Practice ➤ Software Engineering and Agile software development | Infosys Spring board | |
| 7 | Ms. Ambika V | <ul style="list-style-type: none"> ➤ Ethical AI | Infosys Spring board | |

STUDENTS ACHEIVEMENT

Ms. Sharadi secured Runner-up in VTU Inter-collegiate Table Tennis Women Championship 2024-25 in VVCE, Mysuru



Ms. Prakrurthi secured Prize in VTU Inter-collegiate Baseball Women Championship 2024-25 in VTU



MCA

(Master of Computer Application)

Department of Master Of Computer Applications

In today's technology-driven world, computer applications play a central and increasingly important role from communication, accessing information to harnessing the power of AI to drive innovation, automation, and intelligent decision-making across various domains. Concerning, Department of Master of Computer Applications, intent to assure standard of excellence in imparting higher education by practicing Hands-on Labs and Projects, Interactive Lectures, Case studies, Problem-solving sessions, Technology Integration, providing Networking opportunities and involving in Research opportunities leading master students to benefited with well-rounded education for the dynamic and evolving field of computer applications. The Department facilitates students to flourish their talent to enrich their expertise and competency. Students are also made spirited to become Entrepreneurs through conducting expert talks by diversified resource persons. The current intake of the MCA program is 60 and the duration is two years (Four Semesters). The curriculum, designed by VTU, is aimed at broadcasting a wide spectrum of practice and The Department of MCA inculcates innovative teaching-learning methods, and Outcome Based Education (OBE) to enable students to become intellectual as well competent professionals to meet global challenges. To cater to the industry requirements and standards, industry experts are involved in partial curriculum design and course delivery to address all the graduate attributes.

IT related MoUs with Industries are expected to happen for Student's Training, Seminars, Internships and Project work.

I extend a warm invitation to all prospective students to join this innovative course at our Institution, where together we can form a creative team that makes a positive difference.

ORIENTATION PROGRAMME-2024



The orientation held on 6th March 2024 the program was formally inaugurated by lighting a lamp by dignitaries Chief Guests Dr. A K Murthy principal, Dr. Sachindananda Murthy K L AO, Dr. Basavaraj L HOD, ECE & IQAC Director, Mrs. Anitha S, Global Test Director at CSG, Dr. Bagyashree S R professor and Dean Research,ATMECE, Dr. Srinivasa K Dean student affairs ATMECE, Dr. Pavithra M S, HOD, Department of MCA.

Mrs. Anitha S, delivered an inspiring and motivational speech to the MCA student, The speech was related to student career, current knowledge about the industry. The orientation program for the new MCA batch was a vibrant and informative event took place to welcome students and familiarize them with the department, faculty and campus. Dignitaries speakers from industry and academia shared their insights on the evolving landscape of computer applications, inspiring students to embrace the challenges and opportunities ahead. Interactive sessions and group activities fostered a sense of camaraderie among the new students, helping them build lasting connections. The program concluded with a motivational address that encouraged students to set ambitious goals and strive for excellence in their academic pursuits.

MCA COURSE -VTU RULES AND REGULATION

A COMPLETE SESSION WAS ADDRESSED ABOUT RULES AND REGULATIONS OF THE COURSE MCA 2022 SCHEME AND VTU CURRICULUM BY DR GOVINDE GOWDA M S, DEAN ACADEMICS, ATMECE, MYSURU

1. PO1 (Foundation Knowledge): Apply knowledge of mathematics, programming logic and coding fundamentals for solution architecture and problem solving.

2. PO2 (Problem Analysis): Identify, review, formulate and analyse problems for primarily focussing on customer requirements using critical thinking frameworks.

3. PO3 (Development of Solutions): Design, develop and investigate problems with as an innovative approach for solutions incorporating ESG/SDG goals.

4. PO4 (Modern Tool Usage): Select, adapt and apply modern computational tools such as development of algorithms with an understanding of the limitations including human biases.

5. PO5 (Individual and Teamwork): Function and communicate effectively as an individual or a team leader in diverse and multidisciplinary groups. Use methodologies such as agile.

6. PO6 (Project Management and Finance): Use the principles of project management such as scheduling, work breakdown structure and be conversant with the principles of Finance for profitable project management.

7. PO7 (Ethics): Commit to professional ethics in managing software projects with financial aspects. Learn to use new technologies for cyber security and insulate customers from malware

8. PO8 (Life-long learning): Change management skills and the ability to learn, keep up with contemporary technologies and ways of working.



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7. PO7 (Ethics): Commit to professional ethics in managing software projects with financial aspects. Learn to use new technologies for cyber security and insulate customers from malware
8. PO8 (Life-long learning): Change management skills and the ability to learn, keep up with contemporary technologies and ways of working.

SOFTSKILL PROGRAM

Soft skills are non-technical skills that enhance a student's ability to interact and work with others, achieve personal and professional goals, and adapt to various situations. Here are some essential soft skills for students to acquire:

DAY 1 - Personal management

- Time management
- Goal setting - activity assign

DAY 2 - Team management

- Team building
- presentation skills

DAY 3 - Psychological balancing

- Decision making
- Stress management

DAY 4 - Corporate Conduct

- Corporate etiquette
- Grooming etiquette

DAY 5 - Outlook

- Organizing speech
- Personal branding

DAY 6 - Personality enhancement

- Self confidence
- Positive attitude



1. Communication: Verbal and written communication, active listening, and presentation skills.
2. Teamwork: Collaboration, leadership, and conflict resolution.
3. Time Management: Prioritizing tasks, setting goals, and meeting deadlines.
4. Adaptability: Flexibility, resilience, and coping with change.
5. Problem-Solving: Critical thinking, analysis, and creative solution-finding.
6. Emotional Intelligence: Self-awareness, empathy, and social skills.
7. Leadership: Initiative, motivation, and guiding others.
8. Creativity: Innovation, imagination, and resourcefulness.
9. Critical Thinking: Analysing information, evaluating evidence, and making informed decisions.
10. Professionalism: Work ethic, accountability, and continuous learning.
11. Conflict Resolution: Negotiation, mediation, and resolving disputes
12. Active Listening: Paying attention, understanding, and responding appropriately.

- 13. Self-Motivation: Goal-setting, discipline, and self-directed learning.
- 14. Interpersonal Skills: Building relationships, networking, and socializing.
- 15. Continuous Learning: Embracing new knowledge, skills, and personal growth. Acquiring these soft skills can benefit students in various ways, such as:
 - Improved academic performance
 - Enhanced career prospects
 - Better relationships and networking
 - Increased confidence and self-awareness
 - Effective problem-solving and conflict resolution
 - Adaptability in a rapidly changing world

Students can develop soft skills through:

- Extracurricular activities and clubs
- Volunteer work and community service
- Internships and work experience
- Leadership roles and mentoring
- Workshops, training, and online courses
- Practice and self-reflection

EVENTS OF INDEPENDENCE DAY

HARSHITHA K R,
RISHIKA S, RAKSHITHA
S STUDENTS OF
DEPARTMENT OF MCA
REPRESENTING
TRICOLOR ON
ACCOUNT OF
INDEPENDENCE DAY



Group photo of mca students with dr.srinivasa k ,dean student affairs , dr.pavithra m s hod, department of mca and yeshahwini bhandari k r ,assistant professor department of mca, mr.hemanth kumar b n, assistant professor department of mca, mr.siddegowda c j ,assistant professor of department of mca.



Objective: To commemorate India's 78th Independence Day by engaging participants in activities that reflect on the nation's journey to freedom, celebrate its progress, and inspire a vision for a prosperous future by 2047. The events aimed to foster a deeper understanding of patriotism, encourage creative expression, and promote national pride among participants.

Venue: M109 & M101

Date: 13th Aug, 2024 & 14th Aug, 2024

Timings: 2:30 PM – 4:45 PM

Events: SOLO Theme: Viksit Bharat – Reflecting on India's progress and envisioning its future growth.

1. Quiz :-Theme - Indian Independence QUIZ COMPETITION WINNERS – HARSHITHA K R & MOHAMMED FARIZ

Group photo of quiz participants of mca with dr. srinivasa k ,dean student affairs of atmece and mrs.yeshashwini bhandari k r assistant professor of department of mca.



2. Pencil Sketch: Theme - Patriotism PENCIL SKETCH COMPETITION WINNERS-

- 1. HARSHAVARDHAN S
- 2. BHAVANIK N

Pencil sketch participants with mrs.yeshashwini bhandari k r, assistant professor of department of mca



Pencil Sketch (14-08-2024)

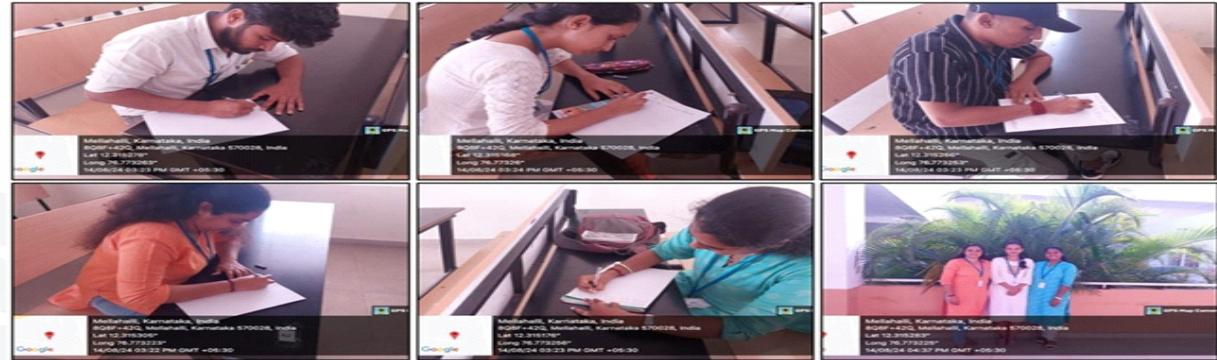


3. Essay Writing: Patriotism vs. Nationalism: Understanding their impact on Independence Day

ESSAY COMPETITION WINNERS-

- 1. DHANUSH B S
- 2. JITHIN C G

ESSAY WRITING



NATION ADVENTURE CAMP

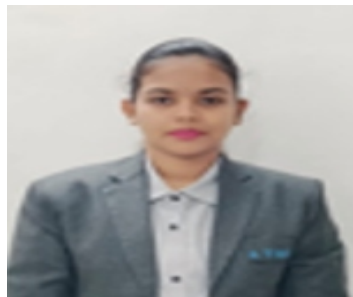
Bhavani K N student of department of MCA is selected for the national adventure camp at kursong, Darjeeling, conducted from Bharat scouts and guide. At the camp she aim to deepen Her understanding of environment policy and connect with like minded individuals who share her commitment.



TOPPERS OF DEPRATMENT OF MCA II SEM



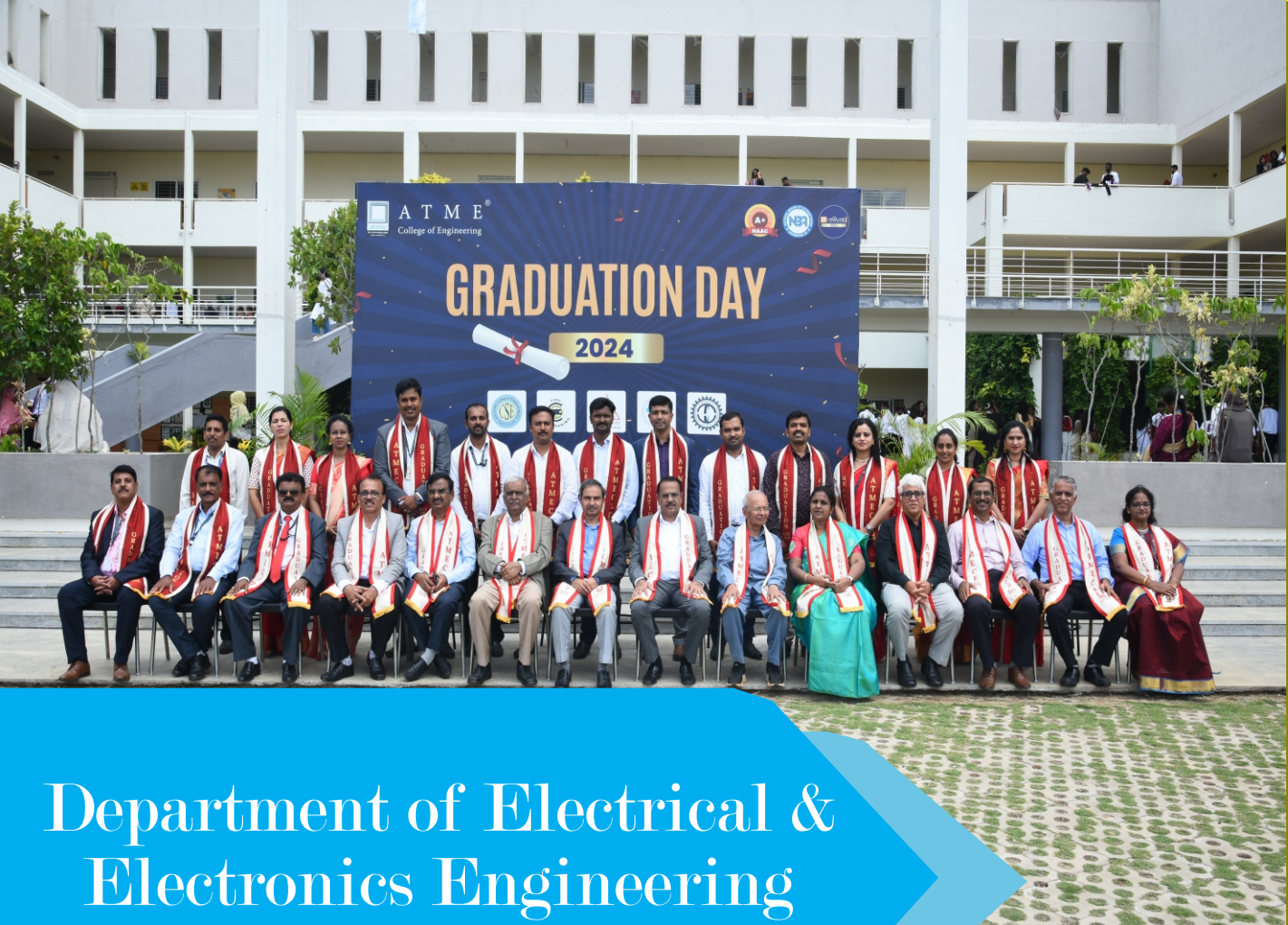
Pallavi SS
9.38



Ruchitha C R
9.12



Nandeesh J
9.00



Department of Electrical & Electronics Engineering

The Department of Electrical & Electronics Engineering believes in imparting holistic education, where the student community is the focal point of the learning process. We offer a motivating environment for knowledge assimilation with a sense of social responsibility and human values. The Department Undergraduate Program is Re-Accredited by National Board of Accreditation for the period 2022-25. The Program has well qualified and experienced faculty members with specialization in Power systems, Power Electronics, Energy Systems & Management, Computer Applications in Industrial Drives, Bio-Medical Signal Processing & Instrumentation and VLSI Design & Embedded systems. All the laboratories relevant to the program are established as per Visevesvaraya Technological requirement and the department is highly committed to bring-in the state of art laboratories to provide quality education for present challenging societal and industrial needs. We update and associate with training institutes to ensure that our students gain technical, interpersonal and communication skills.

To prepare our students for Industry-ready, the Department has MoU with Vidyut Automation, Mysuru, Innovaskill Technologies, Bengaluru, Karnataka German Technical Training Institute (KGTTI), Mysuru which offer Domain Specific Training in the area of Industrial Automation, Embedded system design. This enables the students to exhibit their Technical skills in the the field of Automation, Embedded system design.

This enables the students to exhibit their Technical skills in the the field of Automation, Embedded system design. The Department also has an MoU with Xponential orbit shifters, Bengaluru to offer Internship program on Cybersecurity in Power Systems sponsored under AICTE-MODROB Scheme.

Memorandum of Understanding (MOU) With Karnataka German Technical Training Institute (KGTTI) Mysuru

ATME College of Engineering, Mysuru and Karnataka German Technical Training Institute (KGTTI), Mysuru, signed a Memorandum of Understanding (MOU) on 16th July 2024.

The objective of the MoU is to enhance the Technical Core skills and bridge the IndustryAcademia gap making students competent in the field of Industrial Automation involving PLC, SCADA & Drives. supporting recruitment in core companies.

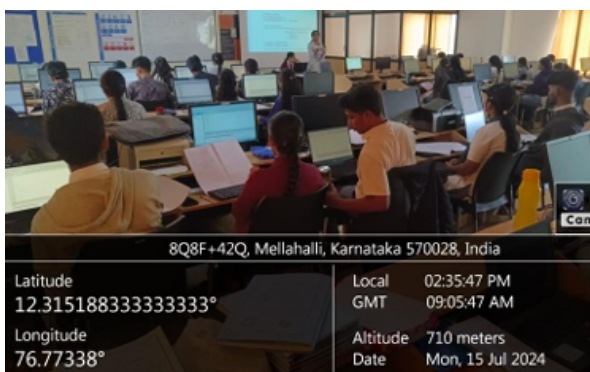
Pic: From Left: Ms. Swapna Assistant Professor, **Mrs. Shakunthala C** Associate Professor, **Mrs.Sowmyashree K S** Assistant Professor, **Dr. Sachidanandamurthy K L** Administrative Officer, **Dr. L Basavaraj**, Principal, ATME College of Engineering, **Mr. Raju Patil** Director KGTTI Mysuru, **Mr. Krishnamurthy T P** Assistant Manager KGTTI Mysuru, **Dr. Parthasarathy L**, Head, Department of EEE, **Mrs. Navyashree V**



Front Office Executive and Admin KGTTI Mysuru, **Mrs. Swathi C A** Assistant Professor Department of EEE, **Mrs. Manasa B** Engineer KGTTI Mysuru.

Pic: DST Training Conduction by Resource Person Mr.

Pic: DST Training Conduction by Resource Person Chandrashekar P at KGTTI Permises Ms.Fathima Reenu at Department premises,



Pic: DST Training Conduction by Resource Person Mr. Chandrashekar P at KGTTI Permises Ms.Fathima Reenu at Department premises,

FACULTY LIST

| Sl.No. | Name | Qualification | Designation |
|--------|----------------------|---------------|---------------------|
| 1 | Dr. Parthasarathy L | Ph.D | Professor and Head |
| 2 | Mr. Raghavendra L | M.Tech (Ph.D) | Associate Professor |
| 3 | Dr.Shakunthala C | Ph.D | Associate Professor |
| 4 | Dr. Sathish KR | Ph.D | Assistant Professor |
| 5 | Dr. Praveen Kumar M | Ph.D | Assistant Professor |
| 6 | Dr. Vinod Kumar P | Ph.D | Assistant Professor |
| 7 | Mr. Shreeshayana R | M.Tech (Ph.D) | Assistant Professor |
| 8 | Mr. Mohan M | M.Tech | Assistant Professor |
| 9 | Ms. Swapna H | M.Tech | Assistant Professor |
| 10 | Ms. Maria Sushma S | M.Tech | Assistant Professor |
| 11 | Mrs. Sowmyashree K S | M.Tech | Assistant Professor |
| 12 | Mrs.Kavyashree S | M.Tech | Assistant Professor |
| 13 | Mrs.Swathi C A | M.Tech | Assistant Professor |

TECHNICAL STAFF LIST

| Sl.No. | Name | Qualification | Designation |
|--------|--------------------|---------------|----------------------|
| 1 | Mr.Yasin Sharief | B.E | Foreman |
| 2 | Mr. Kushal R | Diploma | Instructor |
| 3 | Mr.Sunil Kumar L | Diploma | Instructor |
| 4 | Mr. Jeevan Kumar P | Diploma | Assistant Instructor |

SUPPORTING STAFF LIST

| Sl.No. | Name | Designation |
|--------|---------------|-------------|
| 1 | Mr.Nagendra R | Attender |
| 2 | Mr. Swamy T | Attender |

Domain Specific Technical Training(DST) on Industrial Automation conducted by KGTTI, Mysuru

| Academic Year | Training Level(DST) | Semester | Duration | No. of Students | Training Institute | Resource Person |
|---------------|---------------------|----------|----------|-----------------|-------------------------------------|---|
| 2023-24 | Level-1 | IV | 50 | 25 | KGTTI,Mysuru | Prof.Chandrashekar P Senior Engineer |
| 2023-24 | Level-3 | VI | 50 | 28 | KGTTI,Mysuru | Prof.Vishwanath P Engineer |
| 2023-24 | Level-1 | IV | 50 | 42 | Innovaskills Technologies,Bengaluru | Ms.Fathima Reenu Engineer |
| 2023-24 | Level-3 | VI | 50 | 24 | Innovaskills Technologies,Bengaluru | Mr.Ravi S Director & Senior |

Technical talk on 'Power Electronics Applications in Medical Electronics'

The Department of Electrical & Electronics Engineering, under Department Association

“Quantum” had organised a technical talk on “Power Electronics Application in Medical

Electronics” at ATME College of Engineering,

Mysuru for 4th and 6th Semester students on 22nd

July, 2024.

The Event Resource Person was Mr. Srinivas N.R, Senior Power Electronics Engineer, GE Healthcare, Bengaluru.

Pic: Resource Person Dr. Srinivas S R. during the session with students



INDUSTRIAL VISIT

The visit to the 66/11kV Substation in KR Nagar Taluk, Mysuru, and 220/66/11 kV Substation Thammadahalli, Hunsur Taluk, Mysuru on December 13, 2023. The purpose of the visit was to gain an in-depth understanding of the infrastructure, operational processes, and technological aspects of this multifaceted substation, which plays a pivotal role in the power distribution network.



Pic: Construction site visit at Mara Gowdan Halli 66/11kV Substation in KR Nagar Taluk, Mysuru

Project Sponsorship Approved in 47th Series of Student Project Program

Project Sponsorship Approved in 47th Series of Student Project Program, 2023-2024 of Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012

| Proposal Reference No. | Project Title | Branch | Name of the Guide(S) | Name of The Student(S) | Amount Sanctioned |
|------------------------|--|--|---|--|-------------------|
| 47S_BE_3819 | Myoelectric Transradial Prosthetic Arm for Upper Limb Disarticulation to Support Disabled Rehabilitation | Electrical and Electronics Engineering | Mr. Shreeshayana R Dr. Parthasarathy L | Karthik R Akilesh P Lavanya G K | Rs.5,000 |

FDP on “Cyber Security & Digital Forensics”

The Department of **Electrical and Electronics Engineering**, ATME College of Engineering, Mysuru had organized one week state level FDP on “**Cyber Security & Digital Forensics**” for the Teaching and Technical Staff of the Institution from 21st to 25th of August 2023 in campus premises.

| Day | Resource Person | Topic | Topics Covered |
|---|--|---------------------------------|--|
| Day 1 | Dr. A M Sudhakara, Director, Pas3cyberlabs, Mysuru | Cyber Crime & Cyber Attacks | Discussed cybercrime stories, types of cyber-attacks (Phishing, Vishing, Smishing, cyberstalking, etc.), types of hackers, and the Digital Privacy Protection Act. |
| Day 2 | Dr. Lokesh M R, VCET, Puttur | Block Chain & Digital Forensics | Insights into cryptography, data encryption/decryption, digital signatures, and CARATA approach to cyber fraud. |
| Day 3 | Dr. Chennamma, Associate Professor, JSSSTU, Mysuru | Digital Imaging Forensics | Covered evidence gathering, image editing tools, and detection of forged images using tools like JPEG snoop, Foto Forensics, and Tin eye. |
| Day 4 | Dr. K T Veeramanju, Director, Pas3cyberlabs, Mysuru | Digital & Mobile Forensics | Insights into mobile data recovery, mobile forensics, and the future roadmap of digital forensics. |
| Day 5 | Dr. S P Shivaprakash, Professor, JSSSTU, Mysuru | IoT & IoT Security | Discussed IoT architecture, applications in healthcare/industry, IoT attacks, and security tools like Armis, Forescout, and Zingbox. |
| Hands on Session[Day1 to Day-4] by Mr.Mahesh Vastrad, Director, Agamys Infotech | | | |

Pic: Mr. Mahesh Vastrad conducting practical hands-on sessions



Best Project of the Year Award

In the 47th Series Annual State Level Student Project Programme(SPP) under Karnataka State Council for Science

and Technology, Mr.Karthik R and Ms.Lavanya G K from Batch:2020-24, were selected for the Project Exhibition Event. The Team represented our Institute and have Won **Best Project of the Year Award**



under Electrical and Electronics program held on 9th and 10th August 2024 at Sharnbasva University, Kalaburgi(Gulbarga)

Project Title: Myoelectric Transradial Prosthetic Arm For Upper Limb Disarticulation To Support Disabled Rehabilitation

Team Guide's: Dr. Parthasarathy L and Prof. Shreeshayana R

Team Members: Mr. Karthik R, Mr. Akilesh P and Ms. Lavanya G

Social Connect and Responsibility Activity

II Year Students of Department of Electrical & Electronics Engineering visited St. Philomenas Church Mysur, Karnataka on 06-12-2023, The visit was intended to Provide a Heritage Walk for students to communicate and connect with their surroundings, enable to create of a responsible connection with society. **Pic:** Group Photo of 3rd Semester students at St. Philomenas Church, Mysuru



Workshop on “Crafting Mini Projects with General Purpose PCBs and Self-Soldering”

The Department of Electrical & Electronics Engineering, ATMECE, in collaboration with the IEEE Student Branch, co-hosted a Hands-On Workshop titled "Crafting Mini Projects with General Purpose PCBs and Self-Soldering" on February 21st and 22nd, 2024. The workshop was tailored for third semester students of Electrical & Electronics Engineering.

The students were provided with hands-on training experience in soldering techniques and PCB assembly. The students engaged in soldering various electronic components like ICs onto PCBs, followed by the process of desoldering them. The students gained knowledge about the etching process used in PCB. The students constructed mini-projects and presented the technical aspects to the jury members during the exhibition.

Pic: Dr. A K Murthy, Principal, and Dr. Parthasarathy L, Head, Dept. of EEE distributing cash prizes and certificate to Winners.



Pic: Group photo of “Crafting Mini Projects with General Purpose PCBs and Self-Soldering”.



“State level Technical fest AVAGAMAH”

The Department of Electrical and Electronics Engineering at ATME College of Engineering, Mysuru, had organized State Level Technical Fest 'Avagamah-2024,' under the Department Association 'QUANTUM', on 13th May 2024 in its campus premises. This event aimed to enhance practical implementation skills through Innovative project ideas, as well as improve project communication and interpersonal skills among students.

The day-long event featured the exhibition of Capstone projects, with approximately 33 teams participating from various districts including Bellary, Mandya, Bangalore, and Mysuru. Students showcased their innovative projects, highlighting their problem-solving abilities and technical expertise.

Technical Project Expo was held online and offline as part of the Fest. Dr. Sunil Kumar C, Associate Professor, Department of Electrical and Electronics Engineering, PESCE Mandya and Dr. Vinod Kumar P, Associate Professor, Department of Data Science, ATME College of Engineering, Mysuru were the Jury Members.



Pic: Event Organizers, Winners and Participants



Winners during the event Evaluation Process of the Projects

Faculty Achievements

- Dr. Parthasarathy L has received a Consultancy Amount of Rs 1,51,040 for the work, Testing of Substation Equipment's for the work at 66/11kV Substation at Maragowdanahalli, K R Nagar.
- Dr. Praveen Kumar M completed his Ph.D from VTU Muddenahalli on “Design and Fabrication absorbion predominant electromagnetic interference shielding nano composite” and Dr. Vinod Kumar P completed his Ph.D from Jain (Deemed-to-be) University, Bengaluru on “Modeling & Control of Self Balancing Robot using Artificial Intelligence Techniques”
- Mr. Raghavendra L, Ms. Swapna H, Mr. Shreeshayana R and Dr. Sathish K R have Published a Patent Titled “Automated Cybersecurity System and Method Thereof” on 05.04.2024.
- Ms. Swapna H, has received Patent Grant for the Work “IoT based Wearable Device and System for Assisting Neurologically Affected Patients”, for 20 Years, starting from the Patent Published Date 15.02.2022. The Grant certificate was Released during 2024.
- Prof. Shreeshayana R and Dr. Sathish K R Swayam -Introduction to Intellectual Property Rights: NPTEL 12 Weeks OCT 2023
- Dr. Parthasarathy L, Mr. Shreeshayana R Enhanced Classification of Epileptogenic and Non epileptogenic EEG Signals using ANN-FDM 12th IEEE International Conference on Advanced Computing, ICoAC 2023, IEEE Xplore, Sep 2023 Scopus.
- Mr. Shreeshayana R Mr. Vinod Kumar P Design and Development of An Automated Fertilizer and Seed Vending Machine for Agricultural Applications Journal of Data Acquisition and Processing 38 (4), 287- 298 Google Scholar
- Dr. Shakunthala C, Dr. Sathish K R, Prof. Maria Sushma S, Prof. Sowmyashree K S, Prof. Kavyashree S, Prof. Swathi C A have STTP-Internet of Things SWAYAM 12 Weeks.
- Prof. Shreeshayana R Data to Dashboard: Mastering Visual Story Telling using Tableau NPTEL 29th and 30th June 2024
- Arjun, M.S., Mohan, N., Sathish, K.R., Patil, A., Thanmayi, G., “Impact of electric vehicle charging station on power quality”, International Journal of Applied Power Engineering, 2024, 13(1), pp. 186–193A.5

Academic Toppers

Second Year Toppers



DHANUVIDYASHREE
-4AD22EE017,
SGPA-8.75



KEERTHANA H N -
4AD22EE024,
SGPA-8.67



ANJANA C V -
4AD21EE001,
SGPA-9.09



VAISHNAV T A -
4AD21EE020,
SGPA-9.07



KARTHIK R -
4AD20EE009,
SGPA-9.37



SHASHIKALA K S -
4AD20EE016,
SGPA-9.07



Institute Representative



Mr. Gagan Kirthi P
N IEEE Student
Branch Treasurer



Mr. Vikyath K V
Membership Committee
Co-Head



Mr. Ulhas Joshi
Social Media Head

SPORTS ACHIEVERS

| | |
|--|--|
|  |  |
| <ul style="list-style-type: none"> Nayana M V has won MCICT inter-collegiate softball women championship 2023-24 organized by SBRR Mahajana FGC, Mysuru. Runner-up in VTU inter-collegiate state level Baseball Women Championship 2023-24 organized by VTU PG , Center Mysuru. Have been selected to represent VTU softball Women Team | <p>Vikyath K V won the Gold Medal in the VTU State Level Wrestling Championship</p> |
|  |  |
| <p>Harshith A P has won the First Place in VTU inter-collegiate Rest of Bengaluru softball Men Championship 2023-24.</p> | <p>Harish Kumar G has won the First Place in VTU inter-collegiate Rest of Bengaluru softball Men Championship 2023-24.</p> |

PLACEMENT REPORT

| SL.No | USN | NAME | DESIGNATION | COMPANY PLACED | PACKAGE IN LPA |
|-------|------------|--------------------|--------------------------------------|---|----------------|
| 1 | 4AD20EE005 | Ashith S Gowda | Engineer Domain, Software | PRDC, Pvt Ltd | 2.8 |
| 2 | 4AD20EE012 | Nikhil Kashyap M S | Software Engineer | Pratian Technologies | NA |
| 3 | 4AD20EE014 | Ponnanna C P | Automation Graduate Engineer Trainee | Oasis Automation Technologies | 3 |
| 4 | 4AD20EE007 | Nikhil H N | Automation Graduate Engineer Trainee | Oasis Automation Technologies | 3 |
| 5 | 4AD20EE009 | Karthik R | Automation Graduate Engineer Trainee | Oasis Automation Technologies | 3 |
| 6 | 4AD21EE408 | Ravikumara | Assistant Electrical Engineer | Graphite India Ltd. _Hydro Power Generation | 3 |

| | | | | | |
|----|------------|---------------|-------------------------------|---|------|
| 7 | 4AD20EE002 | Akhilesh | Debug Engineer | L&T | 2.4 |
| 8 | 4AD20EE004 | Arun V | Debug Engineer | L&T | 2.4 |
| 9 | 4AD21EE405 | Pavan Kumar S | Application Engineer | Tangent Automation | 1.68 |
| 10 | 4AD21EE407 | Praveen B M | Assistant Electrical Engineer | Graphite India Ltd. _Hydro Power Generation Company | 3 |
| 11 | 4AD20EE010 | Lavanya G K | Technician Trainee | BSNL | 3 |
| 12 | 4AD21EE406 | Prajwal TP | Support Engineer | FuelTrans India Pvt Ltd | 3.14 |





Department of Electronics & Communication Engineering

The Department of Electronics and Communication Engineering (ECE) was established in the year 2010 with an intake of 60 and was enhanced to 120 in the year 2012. It offers an Undergraduate program (4 years) and Doctoral programs.

Doctoral Programs (Ph.D.) encompassing broad areas of Wireless Communication, Signal/Image Processing, VLSI & Embedded Systems, Biomedical Engineering, and Advanced Control Systems. Etc. The ECE program is accredited by the National Board of Accreditation (NBA). ECE Dept. has well-equipped state-of-art laboratories and ample resources in computing. The Department has a full-fledged VLSI Lab. It is furnished with a Cadence tool with thirty user licenses. The department is imparting Cadence Training to students in the VLSI lab and also provides additional lab facilities such as IoT Lab and NI LabView where students will be trained and carry out mini and major projects.

Department has well-qualified and experienced teaching faculty and technical staff. The faculty members of the ECE department are versatile in many diversified fields. They have good research potential and are committed teachers. Department of ECE has a huge collection of Textbooks, Reference Books by Various authors, with different titles and volumes. Department conducts the inter-college technical fest URJA every year, which provides a platform for students to develop leadership and organizing skills. The department has been to impart quality technical education to the students. To make the students technically aware of the advancements in technology around the world, the department provides additional training sessions, workshops, hands-on, webinars, Industrial Visits, Internships, and other events.

Staff Achievements

1. Dr. Prakash Kuravatti received a “BEST TEACHER Award for the AY 2022-23” on occasion of teachers and engineers day which was held at ATMECE, Mysuru
2. Dr. Prakash Kuravatti Received awarded for publishing the text book from the Scientific International Publishers and Published 3 Text books: 1.Signals and Systems, 2.Satellite Communications, 3.Basic Electrical and Electronics Engineering
3. Dr. Pavithra A C was awarded with Ph.D.
4. Dr. Bhagyashree S R was selected as a session chair for MYSURUCON-2023 IEEE conference
5. Mr. Chandra Shekar P represented ATME College of Engineering in IESA Vision Summit 2024 from 24/1/2024 – 25/1/2024 at Hilton Convention Centre, Manyata tech park, Bangalore.
6. Dr. Prathibha M K has successfully completed “Real Time Digital Signal Processing” 12-week NPTEL Course from July – oct 2023.
7. Dr. Prathiba M K has nominated a Board of Examiner in VTU, Belagavi
8. Mr.Chandra Shekar P has reviewed many paper in various international conference such as "2024 International Conference on Recent Advances in Information Technology for Sustainable Development (ICRAIS-2024)" Manipal Institute of Technology, Manipal, ICDSNC-2024 conference, KSIT, Bangolre, IEEE Mysurucon 2024, Vidya Vikas Institute of Engineering & Technology, Mysuru and 2nd IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON), Nitte Meenakshi Institute of Technology, Bengaluru

Department Activities

- Department organized a training program on “Mastering USRP: Techniques and Applications” for faculties of various colleges from 04-03-2024 to 06-03-2024
- Department organized workshop on “3-day workshop on Crafting Mini Projects on General Purpose PCB Design and Soldering” for all 3rd semester students from 5-02-2023 to 7-02-2023 at ATMECE, Mysuru.
- Department conducted technical talk for 5th sem students on “Technical talk on Awareness on Innovation & Entrepreneurship”
- Department organized workshop on latex for 7th sem students from 23/11/2023 to 24/11/2023
- Organised FDP on advanced Communication using USRP Labview for faculty and 7th sem students from 25/9/23 to 27/9/23

Project Funding for the Department

| Sl.No | Project | Guides/CeGuide | Approved Grant (INR) |
|-------|----------------------------------|--|----------------------|
| 1 | GPS based Animal Tracking System | Dr. Basavaraj L Ms. Anupama Shetter | 2,32,500/- |
| 2 | Vrksha-Raksha | Dr. Prakash Kuravatti | 2,25,000/- |
| 3 | Farm to Table (Direct Selling) | Ms. Anupama Shetter Mrs. Juslin F | 1,00,000/- |

Students Achievements

Participation of Students in different events

| Sl.No | Name of the Students | Event and organizer | Date |
|-------|--|---|--------------------------------|
| 1 | Kusuma M, Chandana Y S, Basavaraju R, Kiran Kumar K, Dheeraj S P, Vivek Kumar S, Ruchitha K R, Saraswathi M, Sanjana Manohar N, Azra Akin, Abhishek M, Nischitha D Gowda, Supriya H R, Veepthi M A, Namratha M G, Nisarga B R, Nisarga N J, Prajwal P, Karthik P U, Bhargav M, Chethan M C, Karthik M, Noorlesh C B, Prajwal B, Mohammed Umar Taqi, Mohammed Yayah | National Level Conference, RNSIT, Bengaluru | 30-04-2024 |
| 2 | Varun G Raj, Vishveshwara Bhargava S, Shreyas Shridhar Kulkarni | Tcs TechBytes, Board for IT Education Standards and TCS | 21-03-2024 |
| 3 | Mohammed Zaid Baig, Jayakumar J, Rahul R, Sagar S, Ullas R, Vishnuprasad B, Shreedhar Kulkarni, Sonu C, Punyashree B, Tejaswini D, Umme Kulsoom | Jnana Vignan Tantragnana Mela-2024, Sri Adichunchanagiri Math | 19-02-2024 to 20-02-2024 |
| 4 | Around 35 Students | Open Day, IISc. Bengaluru | 24-02-2024 |
| 5 | Vishveshwara Bhargav S, Varun G Raj, Shashank Gowda R, Tharun Gowda A V, Tejas N, Yashwanth C N | Workshop on “RTL Front end Designing using Verilog”, VVCE, Mysuru | 02-09-2023 to 09-09-2023 |
| 6 | Tejash Kumar N, Chaitra B, Bhavanashree N, Harshitha R M | INDIA’s No. 1 IOT show, KTPO, Bengaluru | 23-11-2023 to 25-11-2023 |
| 7 | Students of 7 th Semester | Workshop on “ Latex”, Department of ECE , ATMECE | 23-11-2023 to 24-11-2023 |
| 8 | Yashwanth C N, Vishveshawara Bhargava S, Shashank Gowda R, Varun G Raj, Tejas L | Mysuru Big Tech Show, KDEM | 03-11-2023 |
| 9 | Spoorthy S H, Vanishree U, Suchitha R, Ayesha Iram S, Thanushree T R, Kavyashree N, Jenisha Oshal D’Souza, Divya H R | Women @ work Enclave, INFOSYS | 02-11-2023 |
| 10 | Yashwanth C N, Vishveshawara Bhargava S, Shashank, Gowda R, Varun G Raj, Tejas N, Tharun Gowda A V, Karthik P U | Inventors Challenge-2023, AICTE ,MoE& ST-Microelectronics | 10-08-2023 |
| 11 | Spoorthy S H, Vanishree U, Suchitha R, Ananya S Nayak, Thanushree T R, Kavyashree N, Jenisha Oshal D’Souza, Harshitha R, Spoorthy D, Padmavathi S | Women @ work Empowerment, K-Tech NAIN | 25-07-2023 |
| 12 | Shreyas ShridharKulkarni | SIH-2023, MoE, New Delhi | 23-12-2023 |
| 13 | Shreyas ShridharKulkarni | National Level Hackathon, Akshay Institute of Technology | 15-05-2024 |
| 14 | Shreyas ShridharKulkarni | Innovation Design and Entrepreneurship Bootcamp Phase-II, NIE, Mysuru | 29-01-2024 to 02-02-2024 |
| 15 | Chaithra B, Jayanth S, Tejas N, Tejaswini E, Kiran A, Soungandha G, Mamatha, Ramya, Mansoor Fathak, Riyanka K, Sara Simran, Sheetal K Athreya | International Conference, ATMECE, Mysuru | 18-10-2023 to 19-10-2023 |
| 16 | Poorvika | YUVA Sambhrama-2023, Cultural Department, Karnataka State | 11-10-2023 |

Grants Received for Students Projects

| Sl.No | Name of the students | Amount Sanctioned in Rs. | Name of the Funding Agency |
|-------|---|--------------------------|----------------------------|
| 1 | Keerthana N, Chethana U, Poorvika N, Chethan Kumar M C | 7000/- | KSCST |
| 2 | Karthik P U, Bhargav M, Chethan M C, Karthik M | 6500/- | KSCST |
| 3 | Saraswathi M, Azra Akin, Ruchitha K R, Sanjana Manohar | 5500/- | KSCST |

- The student Delphina Jerusha bearing a USN 4AD20EC016 has cleared a GATE Exam 2023.
- Ms. Kusuma and Ms. Chandan has presented paper at National level conference organised by RNSIT, Bangalore and Secure BEST PAPER Award with cash prize of 2000/- under the guidance of Mr. Chandra Shekar P

Toppers

3rd sem



4th sem



6th sem



5th sem

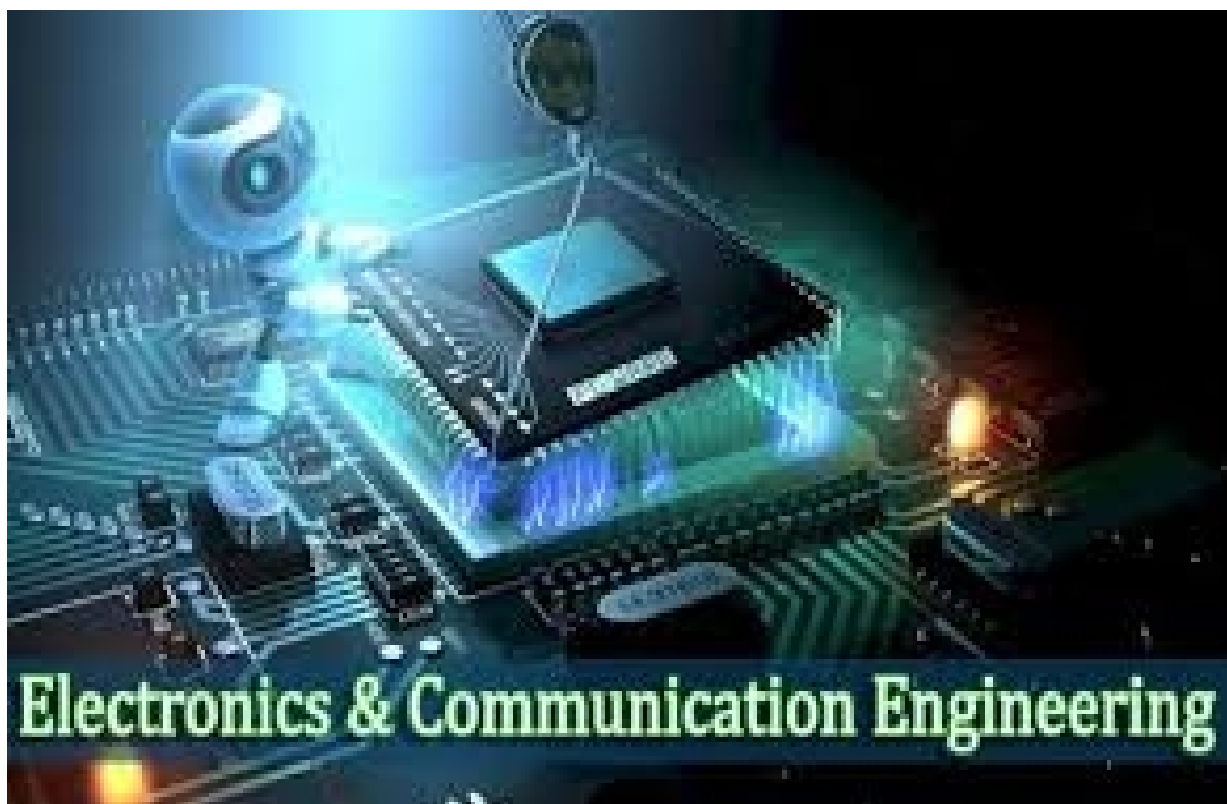


7th & 8th sem



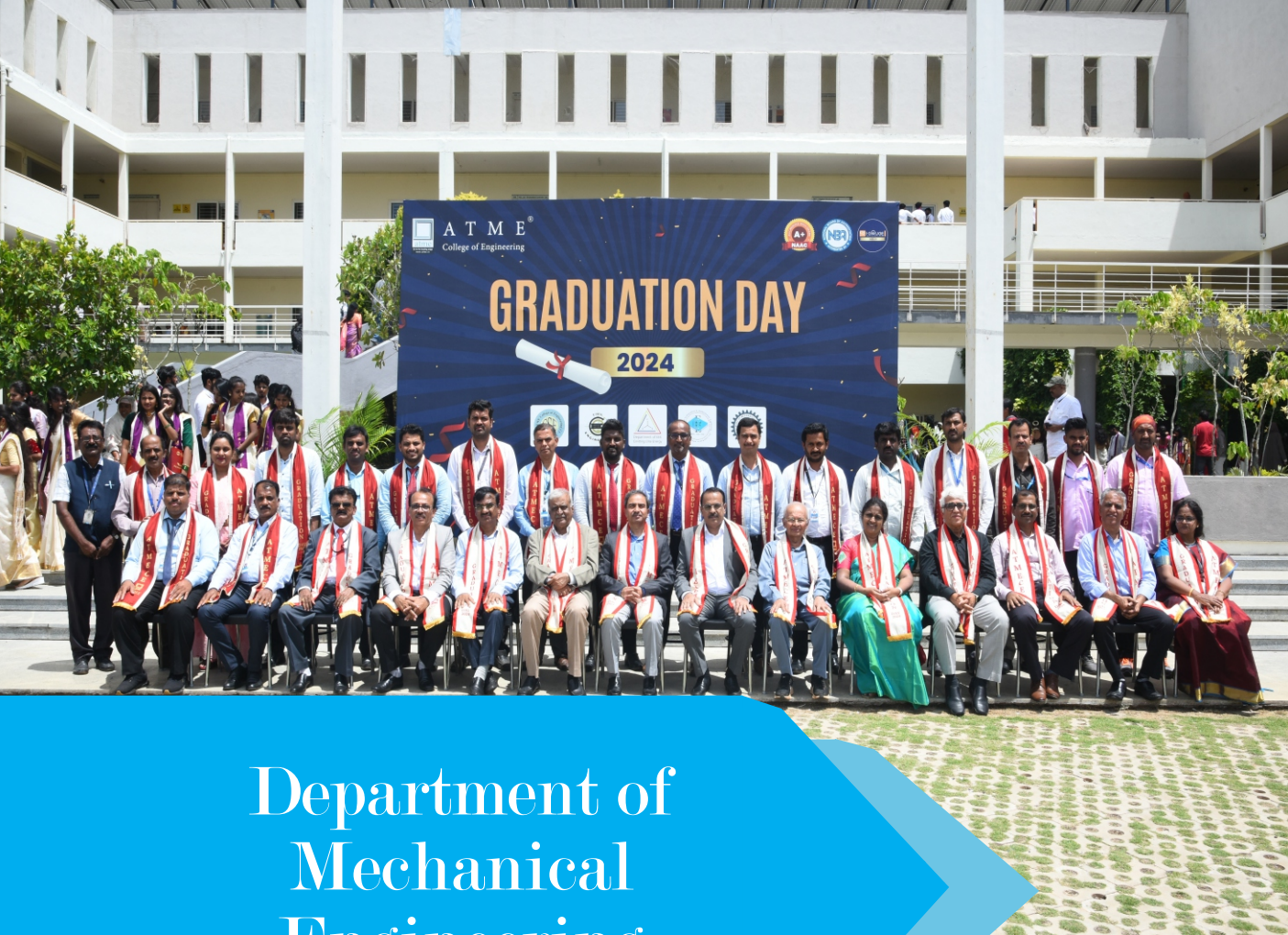
Components are important in the evolution of cars, and there is increasing need for electronics.

John Elkann



Electronics & Communication Engineering





Department of Mechanical Engineering

The Department was established in 2010 with the intake of 30 students and present intake is 30 students affiliated to Visvesvaraya Technological University. The Department has a total built area of 2000 sq. m. with well-equipped laboratories and state of the art facilities in order to foster the growth of students.

The Department is recognized as Research Centre by VTU during 2015-16. The Faculties of the Department are actively involved in research and consultancy works in the areas of Composite Materials, Fracture Mechanics, Fuels & Lubricants, Energy Systems Engineering and Renewable Energy.

The department strives to inculcate the young graduates with leadership, management and technical skills. In the department faculty encourages student to take up internship, industrial visit, workshop, and seminar and involves student in various curricular and co-curricular student development activities. The department is equipped with state of the art laboratories and is upgrading with change in technology.

FACULTY LIST

| SI.No. | Name | Qualification | Designation |
|--------|----------------------------|---------------|--------------------------------|
| 1 | Dr. Anantha Keshava Murthy | Ph.D | Principal |
| 2 | Dr. M S Govinde Gowda | Ph.D | Professor and Dean (Academics) |
| 3 | Dr. Srinivasa K | Ph.D | Professor & Head |
| 4 | Mr. Ravikumar S | M.Tech | Associate Professor |
| 5 | Mr. Devaraj M R | M.Tech | Associate Professor |
| 6 | Dr. Chethan S | Ph.D | Assistant Professor |
| 7 | Dr. Mohanakumara K C | Ph.D | Assistant Professor |
| 8 | Dr. Chetan S | Ph.D | Assistant Professor |
| 9 | Mr. Raghu | M.Tech (Ph.D) | Assistant Professor |
| 10 | Mr. Niranjan kumar V S | M.Tech (Ph.D) | Assistant Professor |
| 11 | Mr. Rohith S | M.Tech (Ph.D) | Assistant Professor |
| 12 | Mr. Karthik Kumar M | M.Tech | Assistant Professor |
| 13 | Mr. Hemanth B R | M.Tech | Assistant Professor |
| 14 | Mr. Anilkumar K | M.Tech | Assistant Professor |

TECHNICAL STAFF LIST

| SI.No. | Name | Qualification | Designation |
|--------|---------------------|---------------|----------------------|
| 1 | Mr. Madesha S | Diploma | Foreman |
| 2 | Mr. Ravikumara M P | Diploma | Instructor |
| 3 | Mr. H C Chidambara | ITI Draft-man | Assistant Instructor |
| 4 | Mr. Patela T M | ITI, Diploma | Assistant Instructor |
| 5 | Mr.Pradeepkumar K B | ITI | Mechanic |

SUPPORTING STAFF LIST

| SI.No. | Name | Designation |
|--------|----------------------|---------------|
| 1 | Mr. Lohithkumar | Lab Assistant |
| 2 | Mr. Anilkumar M D | Lab Assistant |
| 3 | Mr. Puneethkumar Y M | Lab Assistant |

Program Educational Objectives (PEO's)

PEO 1: Graduates will be able to have successful professional career in the allied areas and be proficient to perceive higher education.

PEO 2: The Graduates will attain the ability to understand the need, technical ability to analyze, design and manufacture the product.

PEO 3: Work effectively, ethically and socially responsible in allied fields of mechanical engineering.

PEO 4: Work in a team to meet personal and organizational objectives and to contribute to the development of the society in large.

Program Specific Outcomes (PSO's)

PSO 1: Ability to apply and interpret the acquired mechanical engineering knowledge for advancement in Industrial, Societal, and Environmental arenas.

PSO 2: Ability to meet the needs of Industries in the field of design, manufacturing and testing using mechanical engineering software.

Memorandum of Understanding (MoU)

A memorandum of understanding is an agreement between Mechanical Department and other organizations outlined in a formal document. It is not legally binding but signals the willingness of the parties to move forward with a contract.

- HINDUSTAN SPRING MFG Co
- LAKSHMI SPRINGS & PRESSINGS
- UNIVERSAL AUTOMOBILES & DAIRY PRODUCTS
- GT&TC, Mysuru

Domain Specific Technical Training (DST)

| Academic Year | Training Level(DST) | Semester | Duration (hours) | Domain | No. of Students | Training Institute | Resource Person |
|---------------|---------------------|----------|------------------|--|-----------------|--------------------|--|
| 2023-24 | Level-1 | IV | 50 | Design Engineering | 12 | KGTTI, Mysuru | Prof. Chandrashekar P Senior Engineer |
| | | | | Automation/ Robotics/ Mechatronics | 8 | | Prof. Manasa Engineer |
| 2023-24 | Level-3 | VI | 50 | Design Engineering | 12 | CAD DESK, Mysuru | Prof. Jayaram/Ritish Engineer |
| 2023-24 | Level-4 | IV | 50 | Design Engineering | 12 | CAD DESK, Mysuru | Prof. Jayaram/Ritish Engineer |

Technical talk on 'Innovation and Entrepreneurship Opportunities in HVAC Technologies'

As a part of the Industry-Institute Interaction, department has organised a technical talk on Innovation and Entrepreneurship Opportunities in HVAC Technologies in association with Institute Innovation Council (IIC) and ISTE on 21-06-2024. All the students of IV sem and VI sem of ME department participated in the event. Resource person was Mr. Ashwathnarayan S, Senior Mechanical Engineer, Setty Mech Engineers Pvt. Ltd, Mysore. The objective of the program is to create awareness among students about Heating, Ventilation and Air Conditioning (HVAC) technology, a thermal stream subject. The program also oriented towards helping students in selecting career path defined by the department. A Power point presentation was given in the department's Seminar hall. The presentation included the information about the HVAC systems, its theory aspects, practical applications, job opportunities etc. Mr. Ashwathnarayan explained in detail the vast challenges and the job opportunities in the HVAC field.



INDUSTRIAL VISIT

Department of Mechanical Engineering has arranged industrial visit to 3rd and 5th semester students on 11.01.2024 as part of Industry-Institute interaction. The industry visited is Sandalwood Oil Factory, Mysuru.

The Government Sandalwood Oil Factory was established a century ago in 1917 to harvest the oil to be used for a variety of purposes, most importantly the state's signature and iconic sandalwood soap. The set up is largely industrial with boilers, condensers, and storerooms though the air is heavy with the scent of sandalwood. A guide explains and takes students through the process of powdering the wood, then the laborious process of boiling, distilling, condensing, and extracting the oil.



Students of Mechanical Engineering of 3rd and 5th semester students visited the Sandalwood oil Factory, Mysore on 11.01.2024. The total number of students who visited the factory is 33 and accompanied by 4 faculty members. As mentioned, the company is involved in extracting sandalwood oil. The sandalwood powder is produced from sandalwood logs that are made into very small pieces by slitting into number of pieces followed by chipping into small pieces and then finally making them into powder. The sandal wood is received from Mariyurin, Kerala. This is a 100-year-old company, and another sister concern company is Karnataka Soaps and Detergents Limited (KSDL), Banalore. Extracting oil from sandalwood involves a process

Three-Day FDP on "Introduction to Modelling and Design for the Manufacturing" using Fusion 360 by AUTODESK"

Dates: 6th to 8th Nov. 2023 at Dept. of ME, ATMECE, Mysore

Faculty Development program was organised in association with VTU Belagavi and Autodesk Inc. It was organised exclusively for the Mechanical and Allied Branches of the Engineering Colleges under Mysore region of VTU. About 25 Participants from various Institutes have registered to the FDP. Resource Persons and Course materials were sponsored by Autodesk Inc.

After the Participants got registered at the registration counter, Inauguration of the FDP was held in the seminar hall of Mechanical department ATMECE at 9:30 am.



The Chief Guests of the Program were Dr. Vidyashankar S Honorable Vice-Chancellor, VTU, Belagavi who joined on-line from Belagavi, Mr. Conway Goh, Global director, Autodesk Inc. who has joined virtually through a video message, and Dr. Ramesh Pudale, Senior Program manager & India Head, Autodesk Inc.

The function was presided by Dr. A K Murthy, Honorable Principal, ATMECE. Dr M S Govinde Gowda, VTU Convener, Chairman, BOS ME and Allied Branches, VTU & Dean-Academics, ATMECE and Dr. Basavaraj L, Chairman IQAC, ATMECE was also present on the occasion.

The program begins with the Invocation by Prof. Rangaswamy, Asst. Prof. Dept. of Maths. Dr. Chethan S, Program Convener and HOD ME, welcomed all to the function. The FDP was declared open by Lighting the lamp by the dignitaries.

Project Sponsorship Approved in 47th Series of Student Project Program

Project Sponsorship Approved in 47th Series of Student Project Program, 2023-2024 of Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012

| Sl. No. | Project Title | Branch | Name of the Guide(S) | Name of the Student(S) | Amount Sanctioned |
|---------|---|------------------------|------------------------------------|---|-------------------|
| 1. | Affordable stair lifts to aid elderly and mobility-impaired individuals | Mechanical Engineering | Dr. Chethan S Mr. Hemanth B R | Mr. Vishal S Mr. Madhusudan R Mr. KarthiK M Mr. Shayan Pasha | Rs.5,000 |
| 2. | Development and testing of biodegradable agave fiber reinforced polymer based composite | Mechanical Engineering | Dr. A K Murthy, Mr. Devaraj M R | Mr. Hitesh T L Mr. Shayan Pasha Ms. Pooja | Rs.5,000 |

Winners of YANTRIX 2024

Project Title: Farmer friendly multipurpose Agri robot

Team Guide: Prof. Rohith S

Team Members: Arjun J R , Nakul P Vijay Shankar N S and Vishal S



Social Connect and Responsibility Activity

II Year Students of Department Mechanical Engineering visited St. Philomenas Church Mysur, Karnataka on 06-12-2023. The visit was intended to provide a Heritage Walk for students to communicate and connect with their surroundings,



Group Photo of 3rd Semester students at St. Philomenas Church, Mysuru



Group Photo of 3rd Semester students at Horticulture Plantation, Mysuru



Students were explained on Sewage Treatment plant in the campus



Students were explained on wet waste management, design, technology and implementation in the

Three-Day workshop on MATLAB

Department of Mechanical Engineering in association with ISTE student chapter, organized Three-Day workshop on MATLAB for Mechanical Engineering students

from 26-02-2024 to 28-02-2024 with an objective to provide experiential learning in MATLAB software tool and also help to

students to shape their future career

Dr. Roopa, BIT Bangalore, resource person of the workshop expressed that the MATLAB is widely used in engineering disciplines such as

electrical, mechanical, civil, and aerospace engineering for tasks such as signal processing, control system design, image processing, CFD,FEA, and optimization.



As technology continues to evolve, MATLAB is expected to remain a key enabler of interdisciplinary research and collaboration.

YANTRIX 2024

Yantrix project exhibition is an event where individuals or groups showcase their project work to an audience. The purpose of a mechanical project exhibition is to share ideas, inspire creativity and promote learning. Participants are students from ATMECE and outside colleges. This One-day project exhibition YANTRIX was inaugurated on 11th May 2024 in the seminar hall of the Department of Mechanical Engineering, ATMECE, Mysuru. The event is being held on an annual basis and organized by the Dept of Mechanical Engineering. Head of the department Dr Chethan S welcomed guests, faculties and students Prof. Rohith S briefed about the Yantrix and evaluation guidelines.



Later the event was inaugurated by the chief guest Dr. Haseebuddin M R, Professor, Department of Mechanical Engineering, DSCE, B'lore. and guest of honor Dr. M S Govinde Gowda, Dean – Academics, ATMECE, Presidential remarks was by Dr. Basavaraj L, Principal, ATMECE, Prof Hemanth B R compared the event. Prof. Devaraj M R delivered vote of thanks.

Achievers Section Academic Toppers

Second Year Toppers



] DARSHAN R
SGPA-8.6



AKSHAY H B
SGPA-8.05

Third Year Toppers



LIKHITH A P
SGPA-8.32



] MOHAMMED URUJ
SGPA 7.95-

Fourth Year



MADHUSUDHAN R
SGPA 9.5

ADARSHA M
SGPA – 9.5

STUDENT ACHIEVERS



Mr. Abhishek R L
Best Performing ISTE Chapter
Student Award-2024



Mr. Prajwal J
Represented VTU
Softball Men





The Library and Information Center

A library is a collection of [materials](#), books or media that are accessible for use. A library provides physical (hard copies) or (soft copies) materials, and may be a physical location or a virtual space, or both. Information and communication technology has revolutionized every walk of human society. Academic libraries have a brief history, beginning with chained and locked access libraries of past times to the present day hybrid, digital and virtual libraries that use the latest technology for provision of information through various services. Nowadays these libraries are surrounded by networked data that is connected to huge ocean of the internet based services to make desired information sources accessible to the academic community students and the faculty alike. Electronic resources have given us the power to get information timely and manage information more effectively and also the means to dissolve barriers and offer equity of access to knowledge and information. These can be used for efficient retrieval and meeting towards electronic resources and services, which are found to be less expensive and more useful for easy access. The academic system largely relies on teaching, learning and research. Eternally, education depends on information resources. These resources are the driving forces and factors for making a society an educated one. The educated society can exist only when information is stored, shared and utilized properly. In an academic arrangement, both 'education' and 'library' are inseparable – indivisible concepts, working for the promotion and evolution of teaching, learning and research for greater use of academia.

The educated society can exist only when information is stored, shared and utilized properly. In an academic arrangement, both 'education' and 'library' are inseparable – indivisible concepts, working for the promotion and evolution of teaching, learning and research for greater use of academia. Access to E-resources is a service to help library users find E-Databases, E-Journals, E-Magazines-Books/E-Audio/E-Images, Data/GIS, Digital Library Projects, Electronic Exhibitions, and E-Subject Guide. Most e-resources come equipped with powerful search and retrieval tools that allow users to perform literature searches more effectively and efficiently.

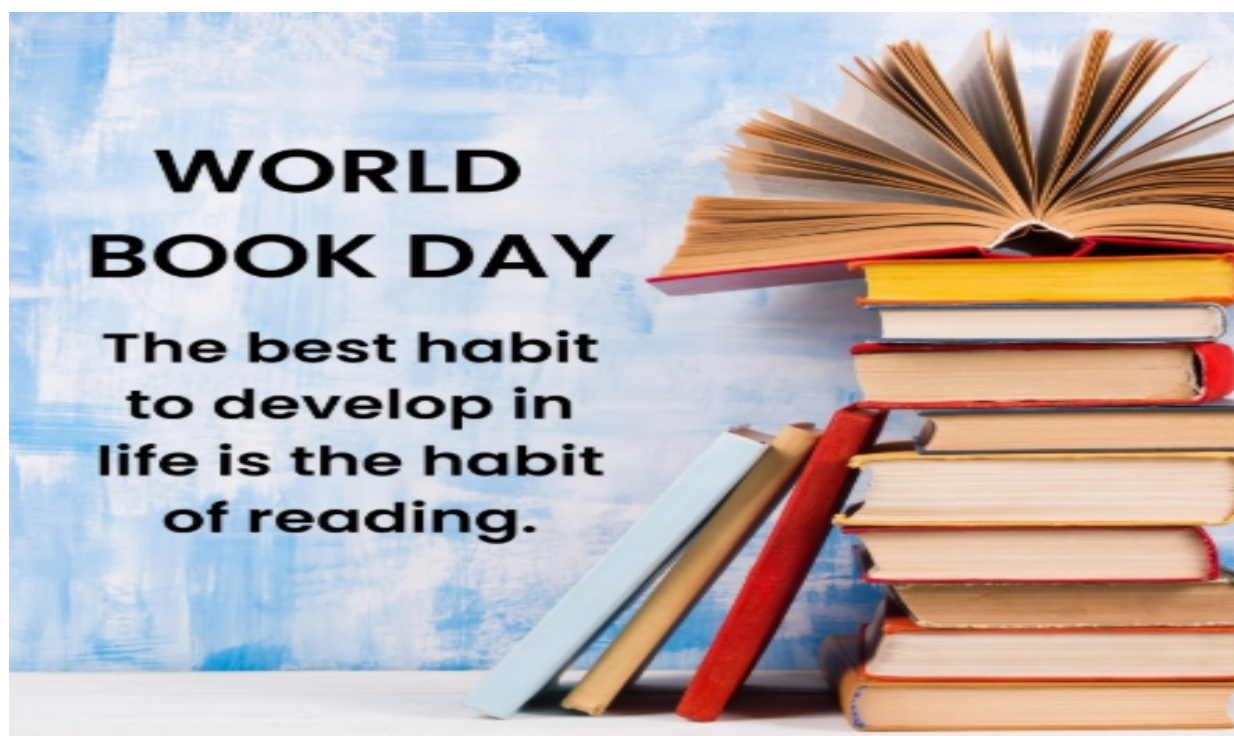
ATMECE Library registered in NDLI and providing services

The National Digital Library of India (NDLI) is an all-digital library that stores information (metadata) about different types of digital contents including books, articles, videos, audios, thesis and other educational materials relevant for users from varying educational levels and capabilities. It provides a single-window search facility so that learners can retrieve the right resources with the least effort in minimum time. NDLI is designed to hold content of any language and provide interface support for the leading vernacular languages. It is available on all popular forms of access devices including mobile apps on Android and iOS platforms. NDLI has been designed to benefit all kinds of users like students (of all levels), teachers, researchers, librarians, library users, professionals, differently abled users and all other lifelong learners. NDLI will provide a single window search facility to act as a one-stop shop for all digital educational resources. Information can be personalized based on the education level, choice of language, difficulty level, media of content and such other factors while other Digital libraries may not include all these choices. NDLI provides interface support for the leading vernacular languages and thus one can select the language of his/her choice to search or browse through NDLI. In other words, it is like a 'customized service' provided in a 24x7 integrated environment to suit a user's



Number of collections available in Library

| Departments | Titles | Volumes |
|--|--------|---------|
| Department of Computer Science and Allied Branches | 1530 | 8532 |
| Department of Mechanical Engineering | 640 | 3556 |
| Department of Electronics & Communication | 766 | 3789 |
| Department of Electrical & Electronics | 614 | 3083 |
| Department of Civil Engineering | 492 | 2095 |
| Post Graduate Depts. | 333 | 864 |
| DVD/CDs | | 1782 |
| Journals & Magazines | | 78 |



ATME ENGINEERING COLLEGE MYSORE

Library RULES



Be calm, don't be noisy,
respect others



Don't drink or eat while
reading



Store your backpack in a
storage locker



Use your own member
card to borrow books



Keep the book clean and
dry



Use bookmarks, don't fold
the book's paper



PLANNING TECHNIQUES FOR STUDENTS



Department of Career
Guidance and Placement
Department of Engineering

Career Guidance and Placement Department at ATME College of Engineering

At ATME College of Engineering, we believe that the foundation of a successful career is built during a student's academic journey. The Career Guidance and Placement Department (CGP) plays a pivotal role in shaping our students' professional futures by offering holistic support in career planning, development, and job placement

Vision of the Career Guidance and Placement Cell

The vision of the CGPC is to bridge the gap between academic learning and industry expectations. Our goal is to equip students with the skills, insights, and confidence they need to thrive in the real world. Whether a student aspires to pursue higher education, join civil services, gain employment, or embark on an entrepreneurial journey, the CGPC provides the resources and support required to succeed.

At ATME, we believe that the journey from the classroom to the workplace should be seamless, and with the dedication and resources of our Placement Cell, our students are well-prepared to meet the challenges of the professional world.

Key Functions of the Placement Cell

1. Career Counselling

Personalized career counselling sessions help students identify their strengths, interests, and potential career paths, enabling informed decision-making.

2. Skill Development

We offer structured training programs focused on:

- Soft Skills
- Communication Skills
- Resume Building
- Aptitude Training
- Interview Preparation

These workshops are designed to enhance students' employability and prepare them for professional environments.

3. Industry Interactions

Through regular guest lectures, seminars, and workshops by industry leaders, students gain exposure to the latest trends and real-world challenges. These interactions provide valuable insights into employer expectations and current market demands.

4. Internships

The CGPC facilitates internship opportunities and industry-linked projects that provide students with hands-on experience. These internships bridge academic knowledge with practical application, increasing the chances of full-time employment after graduation.

5. Campus Recruitment Drives

The placement cell organizes recruitment drives in collaboration with top companies from diverse sectors. Our team ensures seamless coordination between recruiters and students, creating a smooth hiring process and maximizing placement opportunities.

Success Stories

Our students have been successfully placed in leading organizations across sectors such as IT, Manufacturing, Consulting, Healthcare, and more. Roles offered include positions in software development, data analytics, research and development, marketing, and project management. These success stories reflect the effectiveness of our placement strategies and training initiatives.

Conclusion

The Career Guidance and Placement Cell at ATME College of Engineering is dedicated to the holistic development of students. Our mission is to transform students into confident professionals, ready to meet the demands of the global workforce. With structured support, industry-aligned training, and a commitment to excellence, the CGP Department ensures a smooth transition from the classroom to the corporate world.



Physical Education (Sports)

ATMECE mission is to foster a "culture of fitness" for students, faculty and staff

We pursue this mission not only because fitness is a key component to a well-rounded liberal arts education, but because shows that regular physical activity enhances memory, improves cognition and problem-solving abilities, and elevates one's overall sense of well-being.

To prepare physical education leaders of high academic caliber, with a holistic development of body, mind and spirit nurtured with a strong commitment to serve humanity.

I am very happy to present the annual sports report for the year 2023-2024. Our college students have brought laurels by participating and winning in various sports and games organized by VTU, University of Mysore and other open tournaments.

The college had participated in VTU, Mysore city inter-collegiate tournaments conducted by University of Mysore, JSS S&TU tournaments, Mysore Dasara district division and state level competition in the following sports/games like Cricket, Throwball, Football, Basketball, Baseball, Handball, Softball, Athletics, Youth Festival, Table Tennis, Chess, Volleyball, Hockey, Kabaddi, Best Physique, Weight Lifting and Power Lifting competition.

Sports Achievement for the Academic Year 2023-24

- **ATMECE Softball Men's team emerged as a Champion's of VTU Inter Collegiate Rest of Bengaluru and State Level Softball Championship 2023-24**, organized by PESCE, Mandya at its college cricket grounds from 06-09 February, 2024.
- **ATMECE Softball Women's team emerged as a Champion's of MCICT Inter Collegiate Softball Championship 2023-24**, organized by SBRR Mahajan FGC, Mysuru at its college campus on March 13-14, 2024.
- **ATMECE Kabaddi Men team emerged as a Champion's of VTU Inter Collegiate Mysuru Division Kabaddi Championship 2023-24**, organized by MYCEM, Mysuru, at its college campus on February 20, 2024.
- **Mr. Kushal U** of 3rd year ECE dept. won the **Gold Medal (52kg Category) in Wushu** competition at the State Level Dasara CM Cup for the year 2023 organized by department of youth empowerment and sports on 21st October 2023 at Chamundi Vihar Stadium, Mysuru
- **Mr. Vikyath K V** of 2nd year EE dept. won the **Gold medal (70kg Category) in VTU Intercollegiate State Level Wrestling championship 2023-24** held on 20-21, November 2023 at KLS VDIT, Haliyal.
- **Mr. Shaikh Saqib** of 2nd year EC dept. won the **Gold medal (82+kg Category) in MCICT Intercollegiate Wrestling championship 2023-24**, organized by SBRR Mahajan FGC, Mysuru at Sports Pavilion, Mysuru on 22, February 2024.
- **ATMECE Cricket Men's team emerged as a Champion's of Myra and Hindustan inter collegiate Box Cricket Tournament 2024** organized by Myra College & Hindustan FGC, Mysuru at its college campus on 16th March & 19-20 March 2024.
- **ATMECE Table Tennis Women's Team secured Runner's-Up** in the MCICT Inter Collegiate Table Tennis Championship 2023-24, organized by MIT FGC, Mysuru, at its college campus on February 23, 2024.

- **Ms. Tasbiya Taskin of 1st year CSD dept. secured Silver Medal (40kg Category)** in Karate (Kumite) competition at the **State Level Dasara CM Cup** for the year 2023 organized by department of youth empowerment and sports from 11-14, October 2023 at Yuvaraja's college, Mysuru
- **ATMECE Baseball Women's team secured Runner's-Up** in the **VTU State Level Inter Collegiate Baseball Championship 2023–24** organized by VTU PG Center, Mysuru at sports pavilion, Mysuru from 25-28, July 2023.
- **ATMECE Baseball Men secured 2nd Runner's-Up** in the **VTU State Level Inter Collegiate Baseball Championship 2023–24** organized by VTU PG Center, Mysuru at sports pavilion, Mysuru from 25-28, July 2023.
- **Mr. Harshith S of 2nd year AIML student secured Silver Medal (67kg Category)** in Mysuru Region Engineering College Inter-Collegiate **Weight Lifting** championship 2023 organized by JSSS&TU, Mysuru on 23rd November 2023.
- **Mr. Harshith S of 2nd year AIML student secured Bronze Medal (60kg Category)** in Mysuru Region Engineering College Inter-Collegiate **Best Physique** championship 2023 organized by JSSS&TU, Mysuru on 24th November 2023.
- **ATMECE Softball Men's Team secured 2nd Runner-Up in** the **MCICT Inter Collegiate Softball Championship 2023-24**, organized by SBRR Mahajan FGC, Mysuru at its college campus on March 13-14, 2024.
- **Mr. Harshith S of 5th Semester CSE-AIML Department secured the Bronze Medal (165cm Category)** in **NBBF Men Best Physique, Mr Karnataka 2024** organized by Indian sports and fitness carnival(ISFC) on 07, March, 2024 @ good Shepherd Auditorium, Bangalore





University Representation

| Sl. No | Name of the Student | Year / Branch | Game | Remarks |
|--------|---------------------|-------------------------|-----------|-------------|
| 01 | Vikyath K V | 2 nd yr., EE | Wrestling | First Time |
| 02 | Yogashree B S | 3 rd yr., CI | Baseball | Second Time |
| 03 | Nischitha B | 3 rd yr., CS | Baseball | Second Time |
| 04 | Pooja S Hebbar | 3 rd yr., CS | Baseball | Second Time |
| 05 | Purushotham S | 4 th yr., EC | Baseball | First Time |
| 06 | Bhuvan S | 3 rd yr., CS | Baseball | First Time |
| 07 | Adithya K L | 3 rd yr., CS | Baseball | First Time |
| 08 | Ananth Kumar V | 3 rd yr., CS | Softball | Second Time |
| 09 | K. Pareekshith | 3 rd yr., CS | Softball | First Time |
| 10 | Santosh M | 3 rd yr., CS | Softball | First Time |
| 11 | Shivashankar B Naik | 2 nd yr., CS | Softball | First Time |
| 12 | Prakruthi K | 2 nd yr. CD | Softball | First Time |
| 13 | Nayana M V | 2 nd yr. EE | Softball | Second Time |
| 14 | Nischitha B | 3 rd yr., CS | Softball | First Time |

Sports Staff-

| Sl. No | Name | Designation | Email |
|--------|--------------------|--------------------------------|-------------------------|
| 1 | Dr. Muralidhar M P | Director of Physical Education | mpmuralidhar7@gmail.com |
| 2 | Mr. Rahavendra M A | Grounds men | - |

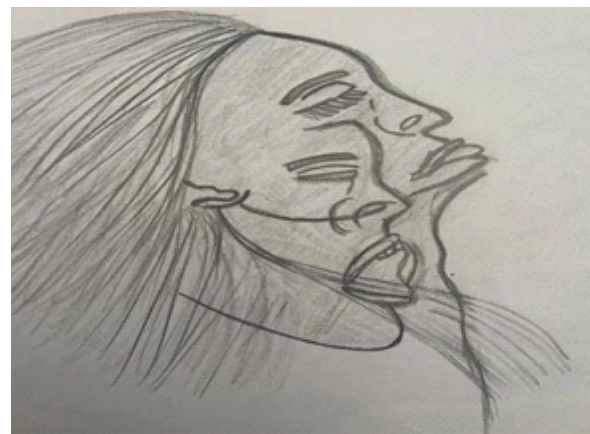
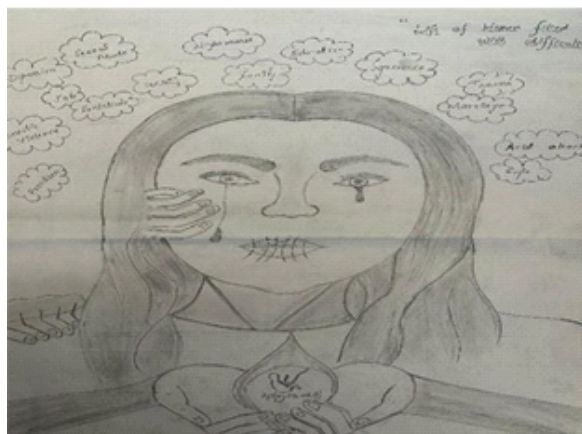
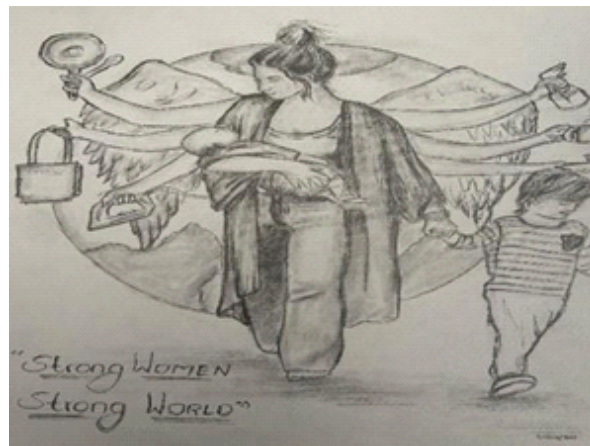
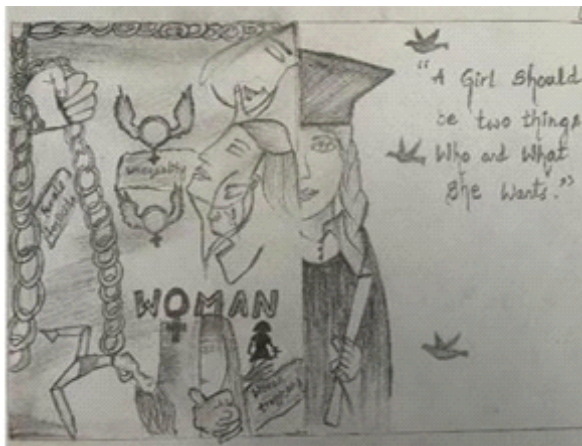
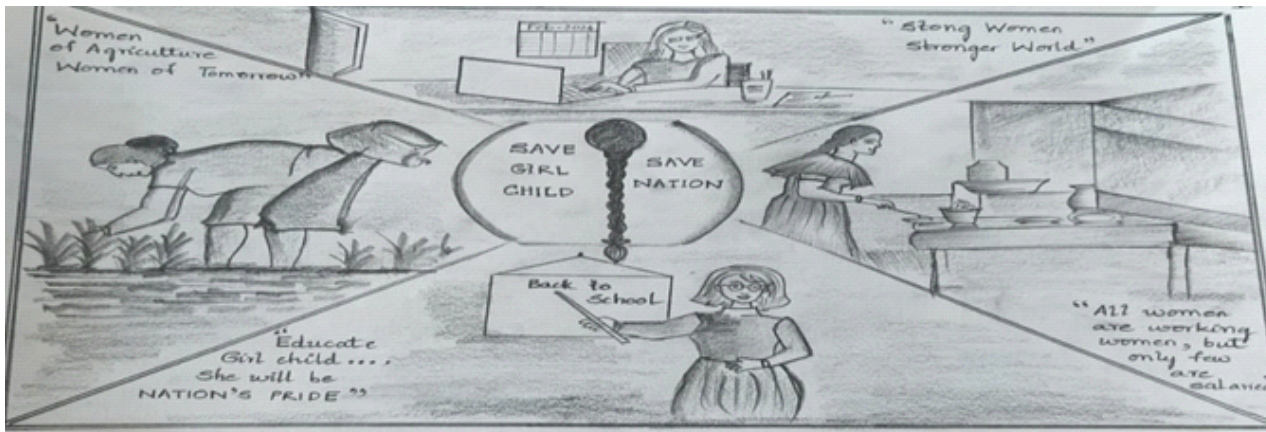


INTERNATIONAL WOMEN'S DAY-2024

ATME College of Engineering Women Cell, CICC in association with AFH Mumbai organized a series of events towards the celebration of International Women's Day for both Girl and Boy students and Teaching and Non-Teaching members of the Institution.

EVENT 1: PENCIL SKETCH

The event was conducted on 20/02/2024 from 2:00 PM to 3:00PM, coordinated by Mrs. Priyanka N B, Assistant Prof., Dept. of Mathematics. 10 students participated in the event.





EVENT 2: ESSAY WRITING (English)

TOPIC: “Life of Women”

The event was conducted on 20/02/2024 from 3:00 PM to 4:00 PM, coordinated by Mrs. Bhanu Priya J, Assistant Prof., Dept. of Mathematics. 7 students participated in the event



EVENT 3: RANGOLI “RANGAVALLI”

The event was conducted on 21/02/2024 from 2:00 PM to 3:00 PM, for both Students and faculties. 11 teams of students with 2 members in each team and 7 teams of faculty with 2 members in each team participated actively in the event. The event was coordinated by Mrs. Shruthi H G of Civil dept. The Jury of the event was Dr. Nasreen Fathima, Dept. of Cs and Design and Dr. Lakshmi Durga, Assistant Prof., Dept. of CSE. The Student Coordinators were Nisha and Pavani, Dept. of Civil.



EVENT 4: SINGING-

The event was conducted on 21/02/2024 from 3:00 PM to 4:00 PM. 5 students participated in the event. The event was coordinated by Dr. Shakuntala C, Assoc. Prof., Dept. of EEE and Student coordinators were Anjana C V, Varsha S , Dept. of EEE.



EVENT 5: QUIZ -“QUEEN-IZ”

The event was conducted on 22/02/2024 from 2:00 PM to 4:45 PM, 43 teams participated in the event enthusiastically. The event was coordinated by Ms. Swapna H , EEE dept and Student coordinators were Anjana C V, Varsha S , Dept. of EEE



EVENT 6: DANCE – “NRUTHYAM”

The event was conducted on 22/02/2024 from 11:15AM to 1:00 PM , coordinated by Ms. Navya.N, Asst. Prof., Dept of ECE, Mrs.Pushpa P, Asst.Prof. Dept of CS and Design.



EVENT 7: SPORTS - “SPARKLERS”

Outdoor Games: Throw ball

The event was conducted on 23/02/2024 from 2:00 PM to 4:45PM, coordinated by Mrs. Shrilakshmi Prasad

Asst. Prof., .Dept of CSE . Seven teams participated in the event.



Indoor Games: Carrom and Chess

The event was conducted on 21/02/2024 from 2:00 PM to 4:00PM, coordinated by Mrs.Puspa P, Asst. Prof., .Dept of CS and Design. 13 students participated in the event.



EVENT 10: ETHNIC WALK- “SWABHIMAAN-CHAL”-WALK WITH PRIDE

The event was conducted on 12/3/2024 from 2:00PM, coordinated by Mrs. Shruthi H G, Asst. Prof Student coordinators: Ramya , Dept. of CSE.9 students participated in the event.



EVENTS CONDUCTED FOR FACULTY MEMBERS

EVENT 1: RANGOLI – “RANGAVALLI”

The event was conducted on 21/02/2024 from 2:00 PM to 3:00 PM, for faculties. 7 teams of faculty with 2 members in each team participated actively in the event. The event was coordinated by Mrs. Shruthi H G of Civil dept. The Jury of the event was Mrs. Jyothi M Patil, Dept. of CGP, Dr. Anitha, Dept. of Cs and Data Science. The Student Coordinators were Nisha and Pavani, Dept.



EVENT-2- ANTHYAKSHARI

The event conducted on 29/02/2024 from 1:30AM to 2:30PM, coordinated by Ms. Navya.N, Asst. Prof., Dept of ECE, Mrs.Pushpa P, Asst.Prof, Dept of CSE. 7 teams with 3 members in each team actively participated in the event.



EVENT 3: - “DUMB CHARADS”

The event was conducted on 04/03/2024 from 3:00PM to 4:00PM. The event was coordinated by Mrs. Priyanka N B, Asst . prof., Dept. of Maths and Ms. Swapna H, Asst. prof., Dept. of EEE. 5 teams with 3 members in each team actively participated in the event.



EVENT 4: - “DESI GAMES”(Kere Dada, Set and Snake and Ladder)

The event was conducted on 06-03-2024 from 1:30PM to 3:00PM. The event was coordinated by Mrs. Srilakshmi Prasad, Asst . prof., Dept. of CSE. 15 members in each event actively participated in the event.



International Women`s Day Celebration on 12/3/2024

“International Women's Day” was organized by Women's Cell, CICC in association with AFH, Mumbai on Tuesday, 12th March 2024 at ATME College of Engineering, Mysuru. The function was Invocated by Ms. Madhurya V, I year CG student, Welcome Speech by Ms. Gagana S L, II-year ECE. Dr. Bhagyashree S R briefed about the events and activities conducted for students and faculties in the college. The function was inaugurated by the lighting of the lamp by the dignitaries on the dais.



Right to Left : Administrative Officer Dr. Sachidanandamurthy, Incharge Principal and IQAC Director Dr. Basavaraj L, Guest of Honour Dr. Jyothi Shankar, Chief Guest Dr. Poornima, Chair Person of Women's Cell and CICC Dr. Bhagyashree S R, Dean Academics Dr. Govinde Gowda M S, Dean Student Affairs Dr. Srinivasa K

Dr. Poornima spoke "Women are cultural ambassadors, they carry art and heritage to the next generation. So, women are highly responsible and shall be sensible in carrying out each task. She also mentioned about education provided to women since ancient history." Dr. Jyothi Shankar spoke about present generation perspective and impact of social media. She uphold the bitter truth of young generation forgetting their responsibility in the name of modernization. She remembered Saalu marada Thimmakka during the talk.

Dr. Govinde Gowda M S spoke on importance of gal's education in the house and in the whole world.

Dr. Sachidananda Murthy spoke gender equality, sir questioned when both are equally important in the nature, why is the reservation necessary??. Both have same right and education throughout the ages.

Dr. Basavaraj L rendered presidential address.

Prizes were distributed to winners. HoD's of various department, Program coordinators, faculty members and students were present. Tasbiya Taskin, I year CG student was the comperer. The function was ended with vote of thanks.



On this great occasion, our organization felicitated our Guest of Honour Dr. Jyothi Shankar

Distribution of prizes to Students



“AWARENESS TALK ON CICC”

The College Internal Complaint Committee (CICC) in association with Women's Cell , ATMECE, Mysuru has organized an awareness program on CICC on 31st May-2023 in the College Auditorium.

“Awareness on CICC was organized to educate the students and staff members about the Prevention, Prohibition and Redressal Acts towards sexual Harassment of Women at Workplace. Around 425 participants have attended the program including students and staff. The objective of the program is to discuss about the Types of Sexual Harassment and its Impact and measures to be taken to address the issue.

Mr. Chandrashekar C, Lecturer, Humanities and Member CICC and Mrs. Priyanka N B, Assistant Professor and Member of Women's Cell, coordinated the Event

A T M E E
College of Engineering

CICC, ATMECE is organizing a
“Awareness talk on CICC”

Date: 31st May 2023
Time: 3:00 PM
Venue: College Auditorium

Dr. N. Vani Shree
Chairperson of the Post Graduate Dept of Studies in Law, NMAC and IPRC Co-ordinator, JSS Law College (Autonomous), Mysuru

Dr. Bhagyashree S R
Chairperson, Women Cell Dean Research, Prof. ACE Dept, ATMECE, Mysuru

Dr. Yathisha L
Dean, Student Affairs, ATMECE, Mysuru

Faculty Coordinators
Mrs. Priyanka N B
Assistant Professor, Dept of Maths, ATMECE, Mysuru

Mr. Chandrashekar. C
Lecturer, Dept of BSW, ATMECE, Mysuru

Induction program Coordinators.

Target audience: 2nd semester students of all the branches of ATMECE

The Resource person, **Dr. Vanishree N Chairperson, PG studies in Law, JSS College Mysuru** educated students about various types of sexual Harassment that might occur at workplaces and explained about the differences between courtships and harassment and its Impact on women. Harassment affects personal dignity of women, violates the freedom, and creates psychological and physical turmoil. The resource person also addressed about the provisions of laws, the Prevention, Prohibition and Redressal Act 2013 towards Women Safety, Constitution of Internal complaints committee (ICC) at every administrative unit and at Employer workplace and also addressed the key aspects about raising complaint on sexual harassment, Conciliation, Service rules, functions of ICC and also about Duties of Employer discharged at Zero Tolerance towards Harassment.

The Programme ended with vote of thanks by **Mr. Ravi Kumar S Assoc.Professor & Member Secretary CICC ATMECE** .



Report on Outreach Program

Women's Cell, ATMECE in Association with IEEE Mysuru Subsection conducted a student outreach program on December 29, 2023 on “**Adverse Effect of Smartphones on Health and Earth**”. The program aimed to raise awareness about the adverse effects of excessive smartphone usage on personal health and the environment. The event took place at the Govt. Higher Primary School in Kiragasuru Village, Narasipura Taluk.

- Student Volunteers:
 - Mohammed Ameen (5th Semester, CSE Department)
 - Rohan Prasanna Shenoy (5th Semester, CS&D Department)
 - Shishira N (5th Semester, CS&D Department)
 - Shreyas Shridhar Kulkarni (3rd Semester, ECE Department)
- School Students:
 - Approximately 29 students from Class V, VI, and VII have participated

The student volunteers conducted an engaging awareness talk, emphasizing the impacts of excessive smartphone usage on personal health and the environment. Following the talk, a Quiz competition was held to reinforce the knowledge gained. The winners, 1st Place: Chaitanya R (6th Standard) and 2nd Place: Chaitanya M (6th Standard). The school students exhibited enthusiasm and active participation throughout the program. Their positive engagement was reflected in the Quiz competition, showcasing their understanding of the discussed topics.



Mr. Ramesh, the Incharge Headmaster of Govt. Higher Primary School, extended Vote of Thanks to the faculty coordinators Ms. Swapna H (Assistant Professor, Dept of EEE) and Mrs. Shruthi H G (Assistant Professor, Department of CE). Special appreciation was given to the student volunteers for their commendable efforts in organizing and executing the event.

Program Convener:

Dr. Bhagyashree S R, Chairperson,
Women Cell ATMECE





ATMECE MYSORE

RESEARCH FORUM

The Article

Artificial Intelligence

Artificial Intelligence (AI) is a rapidly evolving field with a wide range of applications in various industries. In engineering, AI plays a crucial role in optimizing processes, improving efficiency, and enabling innovative solutions. It helps in designing complex systems, predicting equipment failures, and enhancing manufacturing processes.

In society, AI has transformative potential. It's being used to enhance healthcare through image analysis and disease prediction, make transportation safer with autonomous vehicles, and even aid in disaster response through predictive modeling. AI-powered virtual assistants and language translation tools have also made communication across languages more accessible.

Some popular AI tools include:

Machine Learning Platforms: TensorFlow, PyTorch

Natural Language Processing Tools: spaCy, NLTK
Computer Vision Libraries: OpenCV

Chatbot Development Frameworks: Dialogflow, Rasa

Data Analytics Tools: Tableau, Power BI. Overall AI's Impact on Engineering and Society is profound, revolutionizing industries and improving lives through its innovative applications and tools.

Additionally, AI-driven simulations facilitate the testing of prototypes and models, reducing the need for physical iterations and saving both time and resources. This has proven indispensable in areas like aerospace and automotive engineering.

Advantages of Artificial Intelligence:

- Ø Automation.
- Ø Data Analysis.
- Ø 24/7 Availability.
- Ø Medical Applications.
- Ø Cost savings.

Disadvantages of Artificial Intelligence:

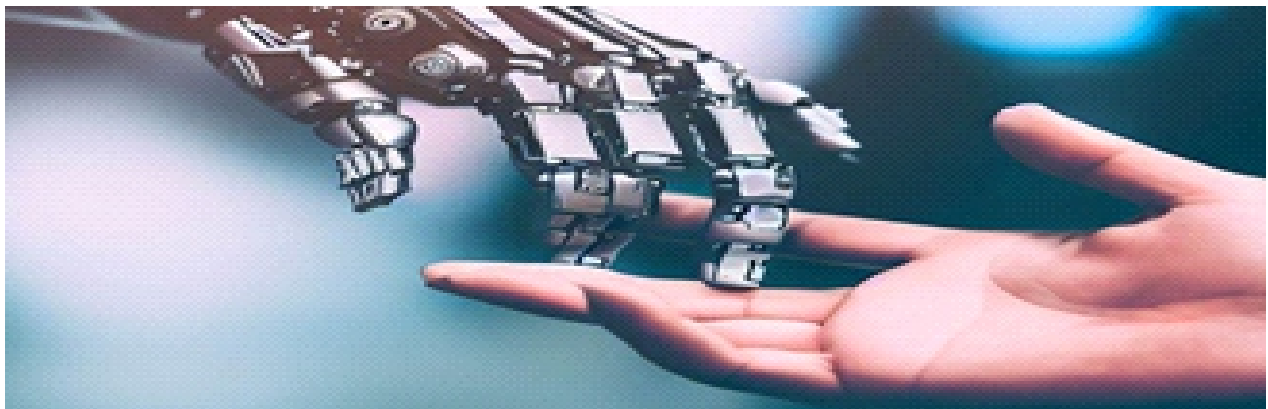
- Ø Job Disruption.
- Ø Bias and Fairness.
- Ø Dependency.
- Ø Privacy Concerns.
- Ø Ethical Issues.
- Ø Complexity.

The journey of AI is an ongoing one, marked by exciting breakthroughs and cautious navigation. It's imperative for us to continuously explore its potential, address its limitations, and ensure that its benefits are shared equitably across society. Responsible development, ethical use and an understanding of its implications will be key in shaping a future where AI contributes positively to our world.

Short Article on Artificial Intelligence

By

Rajendra,
4AD22CS086
4th semester, B section
Computer Science and
Engineering Department,
ATMECE.



The Hacking Antiquity



Whether it is aimlessly surfing through the internet, managing businesses through important phone calls, or making a quick credit card transaction at your local grocery store, we have always been warned to remain cautious with our personal information.

The surge of technological advancements has indeed seen an uprise in services that enable humans to complete tasks with the mere swipe of a finger. But the exploitation of these services that range from harmless practical jokes to crimes that even strip people of their identity weren't anticipated well enough.

The term 'hack' originated at MIT in 1961 when students associated with the institute's 'Tech Model Railroad' hacked their train systems to enhance and modify their functions. These individuals were given the title of hackers' and they switched to the task of expanding the limits.

While computer hacking started gaining popularity, the art of 'phreaking' phone hacking – found its place too. John Draper, infamously known as 'Cap'n Crunch', used a hacking found its place too. John Draper, infamously known as 'Cap'n Crunch', used a toy whistle found in Cap'n Crunch cereal boxes to fake a tone of the required frequency (2600 Hertz) that indicated to long lines that a connection was available to route anew call. This technique made it possible for him and other phreakers to fool electronic telecommunication systems and make long distance phone calls at no cost. Moreover, the humble beginnings of tech pioneers such as Steve Jobs and Steve Wozniak as phone phreakers cannot be forgotten. The growth of technology promised a good enough growth for the hacking community as well.

Decades later, we have seen the rise of ethical hackers, lone wolf hackers, and even "hactivist" groups such as 'Anonymous' that have exposed shocking government secrets and have led digital campaigns that claim to protect the general public from exploitation. Cyber security experts continue their efforts to enhance digital protection. However, hackers - both ethical and criminal have always managed to stay consistent and unsurprisingly up to date

Gangadhar Gowda K M,
4AD22CS032
, 4th sem, A section
Computer Science and Engineering
Department,
ATMECE.



Millet's Manthra

Millets are a group of highly variable small-seeded grasses, widely grown around the world as cereal crops or grains for human food and as fodder.

Why one should eat millets? Millets are gluten-free, highly nutritious and rich in dietary fiber. They are rich in micronutrients, including calcium, iron, phosphorus, etc. They are low in Glycemic Index (GI) as such don't cause huge spike in blood sugar. Millets should ideally be an integral part of our daily diet. Dietary fiber in millets has water absorbing and bulking property. It increases transit time of food in the gut which helps in reducing risk of inflammatory bowel disease and acts as detoxifying agent in the body.

Mentioned below are the best health benefits of [Millet](#). You can add millet in your diet plan to get all these health benefits.

[Millet Good for Heart Patients, Millet Helps in Weight Loss, Millet Reduces Risk of Colon Cancer, Millet Decrease High Blood Pressure, Millets Prevents Celiac disease, Millet Controls Diabetes, Millet - Good Source of Antioxidants, Millet Helps in slowing down muscle degradation, Millet Aids in Sleep, Millet Helps in relieving menstrual cramps, Millet Improves Skin Elasticity]

Nutritional Value of Millet

Millet is counted on around the world to provide basic nutrition for many developing nations. Every 100 grams of millets contain 378 calories of energy, 4.2 grams of total fat out of which saturated fat is 0.7 grams, total carbohydrate content is 73 grams, dietary fibre is 8.5 grams, [protein](#) content is 11 grams, folate is 85 mcg, [niacin](#) is 4.720 mg, [Pantothenic](#) acid is 0.848 mg, Riboflavin is 0.290 mg, Thiamine is 0.421 mg, Vitamin B6 is 0.384 mg, Vitamin E 0.05 mg, Tocopherol alpha is 0.05 mg, [Vitamin K](#) is 0.9 mcg,

[Calcium](#) is 1%, [Iron](#) content is 17%, Copper is 38%, [Magnesium](#) is 28%, Manganese is 82%, Phosphorus is 28%, [Potassium](#) is 4%, [Selenium](#) is 4%, [Zinc](#) is 11%.

Millet Grains

Even though millet grains vary in size and color, they're all part of the grass family, which also includes wheat, rice, and barley. Millet also has two categories: large (major) and small (minor).

Large millets:

The uses of millets are diverse. One can cook them for breakfast, lunch or dinner. Use millet rice instead of white rice in our recipes, and our dishes will be significantly healthier.

Ashwini P,
Assistant Professor,
CSE, ATMECE



CRYPTOCURRENCY

BY TEJASHWINIP (MCA)

Navigating the Highs and Lows of Crypto Investments:

A Personal Journey with CREO Investing in cryptocurrency can often feel like riding a roller coaster—thrilling peaks and daunting drops. My recent experience with CREO, a digital asset on the BNB Smart Chain, illustrates this perfectly.

I initially invested 20,000 rupees in CREO, intrigued by its potential for growth. For a time, my decision seemed to pay off; the value of my investment surged, climbing to an impressive 100,000 rupees. The excitement and optimism that accompanied this rise were palpable. But as with any volatile market, the upward trend didn't last forever. Today, my CREO holdings are valued at around 10,000 rupees, reflecting a significant decline.



Understanding the Crypto Market Dynamics

Cryptocurrencies like CREO are known for their volatility. This volatility can be driven

by many factors, including market sentiment, regulatory news, technological advancements, and macroeconomic trends. The recent dip in CREO's value by 10.38% in just one day is a stark reminder of how quickly market conditions can change.

Lessons Learned from the CREO Investment

Stay Informed: Keeping up with news and market trends is crucial. Understanding the factors driving price changes can help you make informed decisions about buying, holding, or selling.

Diversify: While it's tempting to put all your eggs in one basket, diversifying your investments can mitigate risk. By spreading your investments across different assets, you reduce the impact of any single asset's downturn.

Be Prepared for Volatility: The highs and lows are part of the crypto journey. Accepting that losses are inevitable in such a volatile market is key to managing expectations and maintaining a level head.

Have an Exit Strategy: Knowing when to cash out is just as important as knowing when to invest. An



exit strategy can help you lock in profits or minimize losses, ensuring you don't get caught up in the emotional roller coaster of the market.

Conclusion

My journey with CREO is a testament to the unpredictable nature of cryptocurrency investments. While it's thrilling to see rapid growth, the sudden downturns can be equally shocking. However, the lessons learned are invaluable, equipping me with the knowledge and resilience needed for future investments.

Remember, every investment journey is unique, and the key is to stay informed, diversified, and prepared for anything the market throws at you.

NON-IMMERSIVE VIRTUAL REALITY FOR FLOOD SAFETY

BY HARSHITHAKR (MCA)

The study immerses itself in the formidable challenge posed by floods, recognizing them as pivotal disasters within the dynamic landscape of the Built Environment (BE). The diverse origins of floods, whether from groundwater, rivers, surface water, estuaries, or sewers, underscore the multifaceted nature of the risks involved. Urban floods, driven by intricate meteorological and hydrological interplays, necessitate a collective effort across various disciplines to fortify resilience and ensure the safety of BE users. The complexities arise from factors such as extreme precipitation and flows, demanding a comprehensive approach to protection. Within this context, the safety of BE users is intricately linked to their interactions with flood dynamics, encompassing variables like water depth and speed, which significantly influence evacuation speed and overall stability. Pedestrian evacuation emerges as a paramount strategy, compelling users to navigate towards safe and elevated areas within the urban layout. This underscores the urgency of promoting correct behavioral responses and understanding user reactions for effective risk reduction. As such, this study unfolds against the backdrop of these intricate challenges, aspiring to explore innovative solutions. It seeks to leverage the potential of Virtual Reality (VR) and Serious Games (SG) to create a controlled and risk-free environment for enhanced flood safety training.

Background of the Study: The contextual background of this study further illuminates the complexity of urban floods, emphasizing the critical need for robust safety measures. It underscores the intricate dance of meteorological and hydrological factors that give rise to urban floods, making them a dynamic and multifaceted challenge for the Built Environment (BE). The interplay of extreme precipitation and flows

deliberate probing aims to contribute nuanced insights and bridge existing gaps in research pertaining to the application of VR and SG in flood safety training.

Scope of the Study: The study's scope broadens to encompass the intricate design of a non-immersive VR SG, offering a flexible framework with various modules, storylines, and training objectives. It's a deliberate effort to address the existing gap in comprehensive prototyping works related to the evaluation of VR SG applications. By focusing on flood safety training, the study navigates through uncharted territory, aiming to provide a substantial contribution to the understanding of VR technology's efficacy in disaster risk reduction.

Methodology of the Study: The methodology employed in this study represents a meticulous approach, involving the development and testing of a non-immersive VR SG. This extends to laboratory tests designed to assess user knowledge and self-efficacy, providing a robust foundation for evaluating the efficacy of the VR experience. The methodology is deliberate in its pursuit of contributing meaningful findings, not only to enhance flood safety training but also to offer valuable insights into the potential of VR technology in disaster risk reduction

Application Tools

1. Unity 3D/Unreal Engine:

- Purpose: Game development platforms that support VR content creation.

- Advantages: Both engines offer extensive libraries, tools, and assets for creating realistic environments, physics simulations, and interactive scenarios. Unity, in particular, is known for its ease of use and large community, making it a popular choice for educational games.

2. Blender/3ds Max/Maya:

- Purpose: 3D modelling software to create detailed and realistic environments, characters, and objects for the game.

- Advantages: These tools allow for the creation of custom 3D assets that can enhance the realism and educational value of the game.

3. Web VR Frameworks (e.g., A-Frame, Babylon.js):

- Purpose: Tools for creating VR experiences that can be accessed via web browsers.

- Advantages: Allows for easy distribution and accessibility, as users can access the serious game from any device with a web browser, without needing to download or install software.

4. Input Devices (Mouse, Keyboard, Gamepad):

- Purpose: Standard non-immersive VR interaction tools.

- Advantages: These are widely accessible and familiar to users, lowering the barrier to entry for interacting with the VR environment.

5. Cloud Computing Services (e.g., AWS, Azure):

- Purpose: Hosting and processing the game data, enabling multiplayer or large-scale simulations.

- Advantages: These services provide scalability, ensuring the application can handle a large number of users simultaneously.

Advantages of Non-Immersive VR for Flood Safety

1. Accessibility:

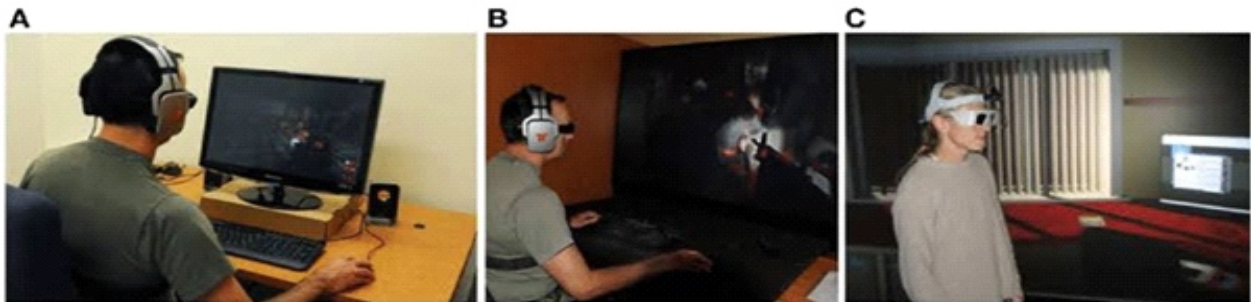
- Non-immersive VR can be accessed by anyone with a standard computer, making it more widely available compared to fully immersive VR, which requires expensive headsets.

2. Cost-Effectiveness:

- Developing and deploying non-immersive VR applications is generally less expensive than immersive VR because it doesn't require specialized hardware or development of highly complex 3D environments.

3. Ease of Use:

- Users interact with the game using familiar devices, such as a mouse and keyboard, which



DIGITAL TWIN

BY PRAJWAL M N(MCA)

In an era characterized by rapid technological advancement and digital transformation, the concept of digital twinning has emerged as a pivotal innovation with profound implications across various industries. Rooted in the idea of creating virtual replicas or representations of physical objects, processes, or systems, digital twinning bridges the gap between the physical and digital worlds. This technology allows for real-time monitoring, analysis, and simulation of physical assets, enabling unprecedented insights, operational efficiencies, and predictive capabilities.

Digital twinning is a technology that involves creating a digital representation or virtual counterpart of a physical object, process, or system. This virtual model mirrors the physical entity in real-time, using data collected from sensors, IoT devices, and other sources. The concept behind digital twinning is to bridge the gap between the physical and digital worlds, enabling deeper insights, analysis, and simulation that can enhance decision-making, optimize performance, and facilitate predictive maintenance.

A Digital Twin of any device/system is a working model of all components (at micro level or macro level or both) integrated and mapped together using physical data, virtual data, and interaction data between them to make a fully functional replica of the device/system and that too on a digital medium.

The concept and model of the Digital Twin was officially put forward in 2002 by Dr. Michael Grieves as the conceptual model underlying Product Lifecycle Management (PLM). The concept was being practiced since the 1960s by NASA. They used basic twinning ideas for space programming at that time. They did this by creating physically duplicated systems at ground level to match the systems in space.

WORKING OF DIGITAL TWIN

➤ Digital twins are created by importing conceptual models (via BIM, CAD, or GIS) or scanning physical entities in the real world to visualize and analyse them in combination with enterprise and Internet of Things (IoT) data. A digital twin that is powered by real-time 3D, a computer graphics technology that generates interactive content faster than human perception, can also curate, organize and present multiple sources of data (both information and models) as lifelike, interactive visualizations.

➤ Digital twins are virtual representations of the movements, forces, and interactions that assets can undergo in the physical world. This lets users engage with dynamic content that is three-dimensional and responsive to their actions in real-time. In this virtual environment, they can effectively simulate real-world conditions, what-if scenarios and any circumstance imaginable, and

visualize the outcomes instantly on any platform, including mobile devices, computers, and augmented, mixed and virtual reality (AR/MR/VR) devices.

➤ Each digital twin deployment is unique. Deployments often occur in stages, with each phase increasing in complexity and business impact. A digital twin can range from a product configurator of a 3D model to a precise representation of a network or system as vast as a city, with each of its components dynamically linked to engineering, construction, operational data, and virtual design.

➤ As teams across disciplines and locations design, engineer, build, sell and eventually operate and maintain complex builds, digital twins inform their decision-making at every stage of the lifecycle.

APPLICATIONS OF DIGITAL TWIN

Power-generation equipment

Large engines including jet engines, locomotive engines and power-generation turbines benefit tremendously from the use of digital twins, especially for helping to establish time frames for regularly needed maintenance.

Structures and their systems

Big physical structures, such as large buildings or offshore drilling platforms, can be improved through digital twins, particularly during their design. Also useful in designing the systems operating within those structures, such as HVAC systems.

Manufacturing operations

Since digital twins are meant to mirror a product's entire lifecycle, it's not surprising that digital twins have become ubiquitous in all stages of manufacturing, guiding products from design to finished product, and all steps in between.

Healthcare services

Just as products can be profiled by using digital twins, so can patients receiving healthcare services. The same type system of sensor-generated data can be used to track various health indicators and generate key insights.

Automotive industry

Cars represent many types of complex, co-functioning systems, and digital twins are used extensively in auto design, both to improve vehicle performance and increase the efficiency surrounding their production.

Urban planning

Civil engineers and others involved in urban planning activities are aided significantly by the use of digital twins, which can show 3D and 4D spatial data in real time and also incorporate augmented reality systems into built environments.



AI IN AGRICULTURE

BY SRINIVASMURTHY M

1. Precision Farming

Crop Monitoring: AI-powered drones and satellites can monitor crop health, detect diseases, and identify pest infestations early. This helps farmers take timely actions.

Soil Health Analysis: AI can analyze soil data to determine nutrient levels, pH, moisture content, and more, helping farmers optimize fertilizer use and improve crop yield.

2. Predictive Analytics

Yield Prediction: AI models can predict crop yields based on various factors like weather patterns, soil conditions, and planting methods. This helps in better planning and market forecasting.

Weather Forecasting: Advanced AI models can provide accurate weather predictions, helping farmers plan their activities, such as irrigation and harvesting, more effectively.

3. Automated Irrigation Systems

AI can control irrigation systems based on real-time data, ensuring that crops receive the optimal amount of water, thus saving resources and improving crop health.

4. Pest and Disease Management

AI for Pest Identification: AI models can identify pests and diseases using images from smartphones or drones, allowing for quick and targeted interventions.

Predictive Disease Models: AI can predict disease outbreaks by analyzing climate data, crop conditions, and historical records, allowing farmers to take preventive measures.

5. Smart Farm Equipment

Autonomous Tractors: AI-powered tractors and harvesters can operate with minimal human intervention, increasing efficiency and reducing labor costs.

Robotics: AI-driven robots can perform tasks like planting, weeding, and harvesting, improving productivity and reducing manual labor.

6. Supply Chain Optimization

Demand Forecasting: AI can analyze market trends and consumer demand to help farmers plan their production and distribution.

Logistics and Inventory Management: AI can optimize the supply chain, ensuring timely delivery of products and reducing waste.

7. Crop Breeding

AI can accelerate the process of developing new crop varieties by analyzing genetic data, predicting the best traits for specific climates, and simulating breeding outcomes.

8. Sustainability and Environmental Monitoring

AI can help in tracking and reducing the environmental impact of farming practices by optimizing resource use, reducing waste, and promoting sustainable practices.

9. Decision Support Systems

AI-driven platforms can provide farmers with actionable insights and recommendations based on data analysis, helping them make informed decisions on crop management, financial planning, and resource allocation.

10. Farm Management Software



AI integrated into farm management software can streamline operations, track progress, and provide insights on improving efficiency.

11. Market Insights

AI can analyze market trends, pricing data, and consumer behavior to help farmers decide when to sell their produce to maximize profits.

By leveraging these AI technologies, agriculturists can increase yields, reduce costs, and promote sustainable farming practices such as weeding, which can save farmers money on labor and reduce worker workload.



6G TECHNOLOGY

BY RAKSHITHA S

Increase performance and maximize your data throughput and IOPS Protect your system and secure your data Ease your service and build efforts and expand your data center configuration options.

2G, 3G, 4G and 5G mobile technologies have evolved in the technology side of development. The 6G mobile technology is the next generation wireless mobile resources and the 6g technology will surely make a phenomenal changes in mobile technologies.

The mobile world is racing very fast that the mobile manufacturers on one side make new mobile phones with latest technology which can be categorized into Camera Mobiles, Music Mobiles, Office Mobiles, Touch Mobiles, Mp3 mobiles, Card slot mobiles, FM mobiles, Bluetooth mobiles, GPS mobiles, Games mobiles, 3G mobiles, Wi-Fi mobiles, E-mail mobiles, Qwerty mobiles, Smartphones, Business Mobiles and others.

On the contrary, mobile manufacturers have reduced the mobile prices drastically such that each and every single individual is owning a mobile and it also has become a necessity for better and good communication

FEATURES

Frequency: 5.8 GHz , Bandwidth: 1 Gbps

- 40 Mbps Connectivity Speed
- Ultra Broadband Internet Service
- More Storage Capacity
- Circuit and Packet Switching
- Provide the 3D Internet concept



TECHONOLOGY USED

- Uses WCDMA Multiplexing(Wideband Code Division Multiple Access)
- UWB Radio Technology(Ultra Wide Band)
- LTE(Long Term Evolution)
- 3GPP(3rd Generation Partnership Project)
- E-UMTS(Evolved Universal Mobile Telecommunication System)
- E-EDGE(Evolved Enhanced Data rates for GSM Evolution)

ADVANTAGES

- Protects your Mobile And Secure your Data.
- Superfast Streaming without any buffering.
- A Real Time Online Gaming Experience

Massively reduced Lag while Gaming

Record Calls and Forward to Email also Forward Calls to Other Numbers

Intelligent Batteries.

Improved Storage Capability.

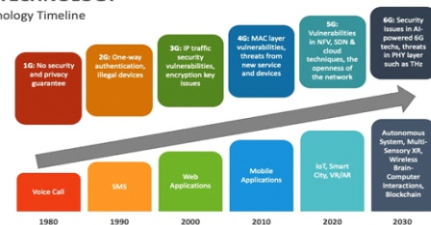
High Mobile-TV Resolution.

REQUIREMENTS

- Smart Antenna
- Need High Capacity Fiber Optic Network
- Large Internal Memory In Mobile

6G TECHNOLOGY

Technology Timeline



THE LOST VOICE

WRITTEN BY : ABHISHEK P HOSAMANI

Chapter 1: Silence in the Tech-Driven World

Bengaluru City ,year 2030

Abhinav Kumar is living what many would consider an typical life. As a software engineer, his world revolved around screens, codes, emails, and online chats. In his office everyone communicated through text messages, emojis, and emails. Genuine conversations were rare, and the hum of voices had been replaced by the tapping of keys.

One morning, while brushing his teeth, Abhinav realized he had lost his voice. He tried hard to speak but no words came out. He lost the sense between throat muscle and the words he has in the head.

Panic started to set in him. While He attempted to call for help but found he could only produce a rough sound without any meaningful words ,He desperately messaged his so-called friends and office colleagues, but they responded with laughing emojis, some of them replied " it was a bad joke and brillent idea to take leave etc... so by seeing this all, the Frustration and anger bubbled up inside him as he tried to explain his problem, but no one took him seriously.

Art of letting go

From..

Leaving your chocolate, for sibling sake
Leaving your home, for school sake
Leaving your town, for college sake
Leaving your passion, for studies sake
Leaving your sleep, for exam sake
Leaving your friends, for future sake
Leaving your parents, for living sake
To..
Leaving your happiness, for job sake.
We all grow up.
Every sacrifice is hard,
Every sacrifice is sad
But at the end, it all makes sense•



**Dhanushri sp
Branch-CSE
1st year]**

Kabhi socha hai afzal Ishq kya hai?
Jab aap jaante hai ki woh shakhs aapka kabhi na
ho sakta magar
phir bhi uske khatir apne dil me ibaadat karne ka
Maan rakna Ishq hai
Uske har taane ko apni khushnaseebi samajna
Ishq hai
Uski har hasi me kho jaana Ishq hai
Uske har zulf me apna ek shayrana andaz dekhna
Ishq hai
Uske na hone par bhi use mehsoos karna Ishq
hai.....
Ibadat unki karte zarur hai magar unse chahte
kuch nahi
Unki un Chand jaise safed aankhon me hamne
apne khwab sajaye,
Jaante hue hum un tak kabhi na pahunch paaye
Un ankhon me unki rooh ki jhalak jo dikti hai,
kisi ko uski ek nazar dikhe toh Jannat bhi chod
aaye
Najane kyu ye mohabbat hoti hai
Najane kyu galat fehmiya palti hai
Hamare iss dil me alag se hi khwab palte hai
Jinka na koi aasra hai na koi maksad
Galti hogi tumari agar tum is ishq ko izhaar kar
baithe
Pyaari cheez hai magar bohot naazuk hai
Dhyaan se ise apne dil me hi rakna , kabhi kisiko
mat dena
De bhi diya toh kabhi phir Ishq karne ki na
sochna
Zeher bhi hai aur Marham bhi hai
Naam se bas Mohabbat-e-Ishq hai -Md
Fakruddin S

-Md Fakruddin S

POETRY

Love's a flame that flickers bright,
A guiding star in darkest night.
It warms the soul, it sets us free,
A gift from heaven, wild and free.

Rise above the storm, let your spirit soar,
For in the darkest hour, hope's at the door.
With courage as your guide, and faith as your
light,
You'll conquer every challenge, and make things
right.

-BY NISHITHA B M

MONSOON DAY

I feel like being alone,
In my own world
By listening to the music
I need to forget this
Cruel world.

It brings a smile on my face
With the new thoughts,
In my pretty brain.

The greenery makes me
Be peaceful
Enjoying with drizzle of
Rain drops

And conversation with
beautiful roses
makes my day wonderful
in the monsoon



-By HARSHITHA K R

Woven into my tears
is all the beauty I find
and will continue
to find in you.
You must believe and
let that very belief
number your days
with bliss; I
have fallen madly in
love with the feeling
of water racing down
my cheeks.

-BY RAKSHITHA S









Harohalli (J), Karnataka, India
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Lat 12.315055°
Long 76.771855°
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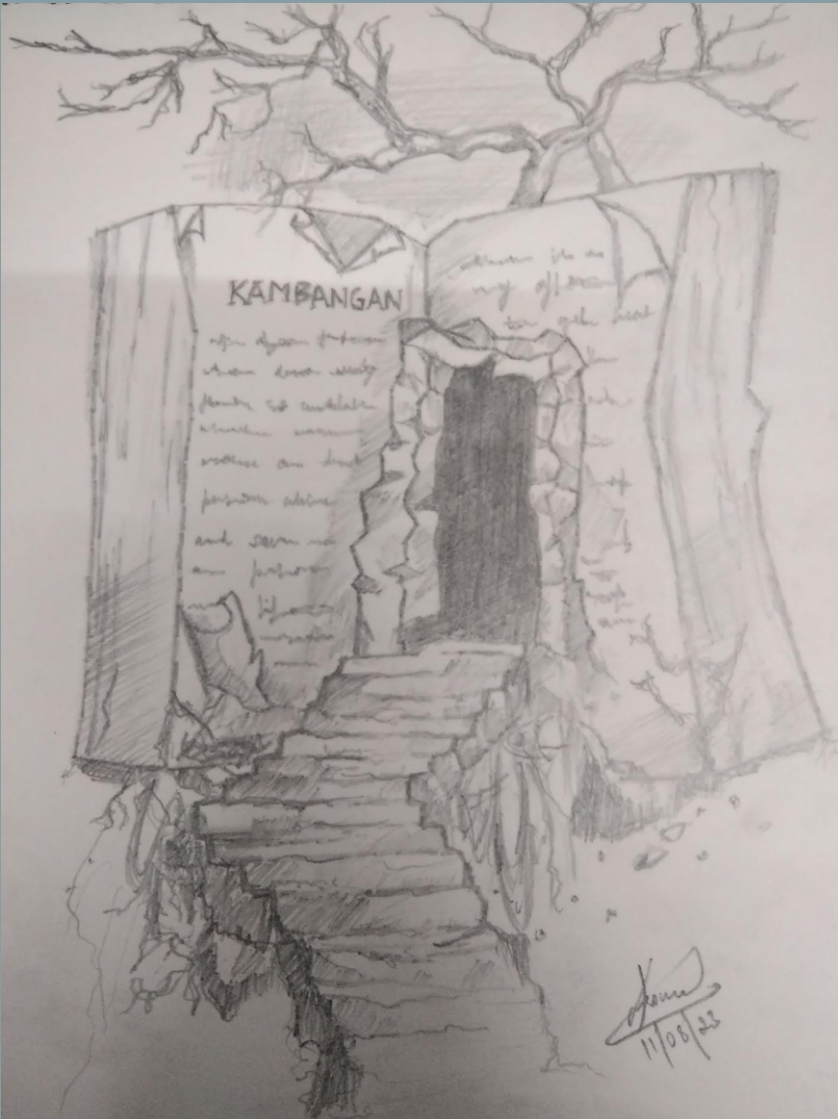
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Photos
Sketches
Paintings
&
Creative Arts



Geetha bhai
4th sem
EC Department



Kusum C

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ECE 4th sem



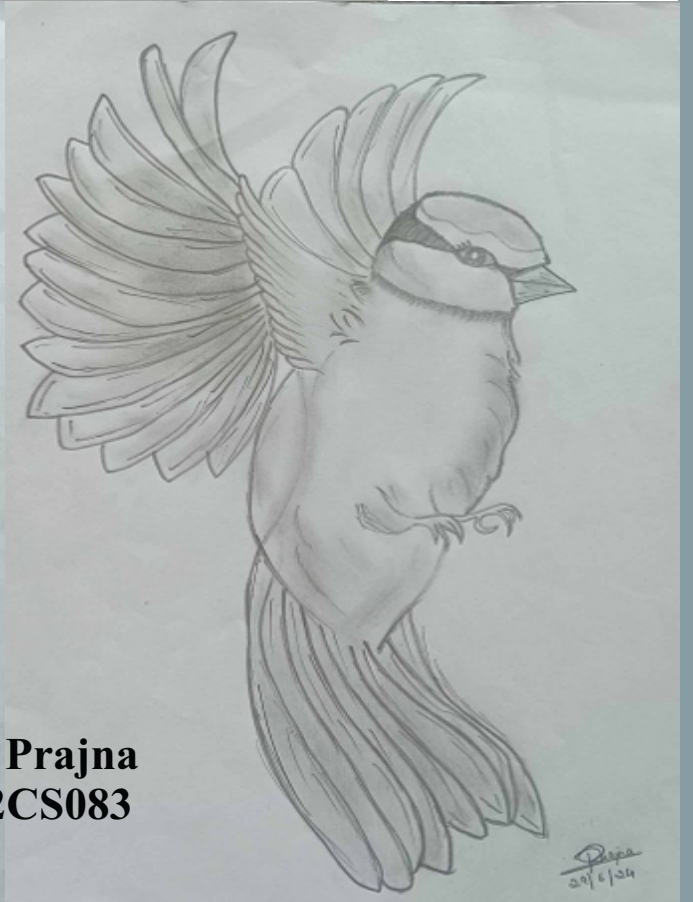


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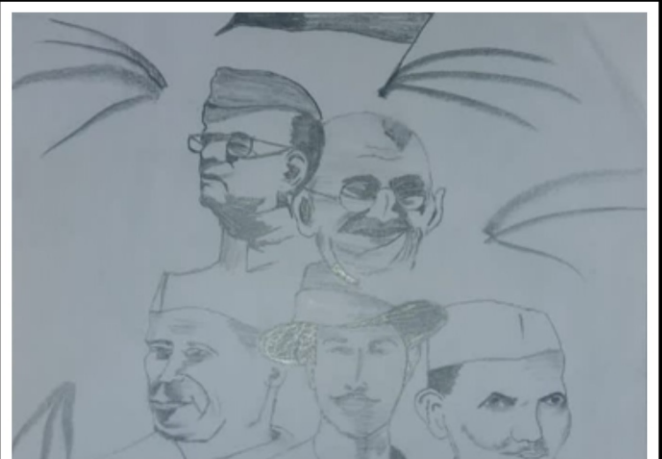
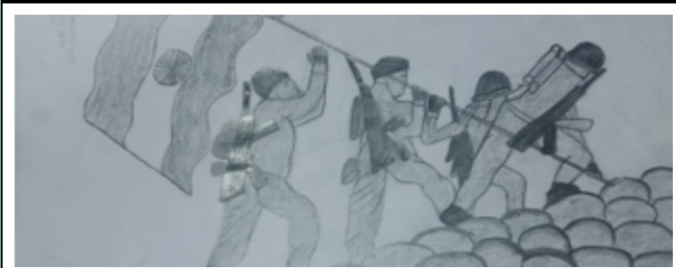
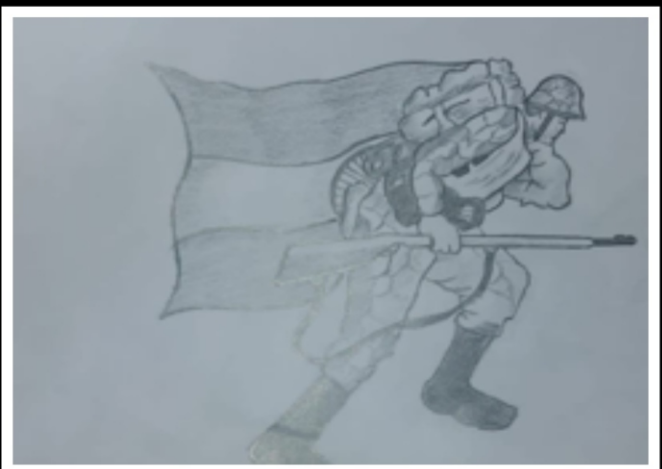
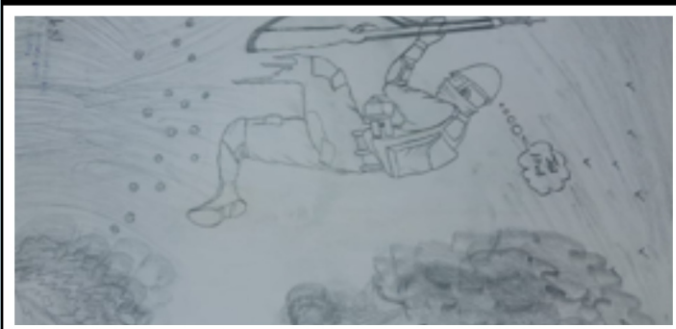


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Purna Prajna
18/05



Purna Prajna
20/6/24

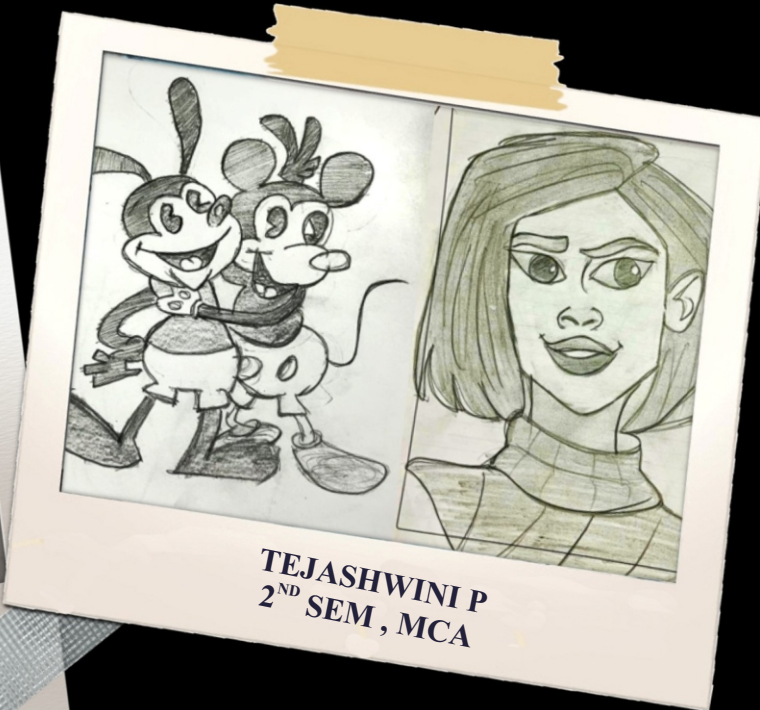


MCA 2ND SEM



ART BY
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