

DYNAMICS



VOLUME 10



**COLLEGE
MAGAZINE**

ATME
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ENGINEERING

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The making of Chandrayaan-3: collaborative effort under the 'ISRO culture'

Chandrayaan-3 (CH-3) is currently on an ambitious journey to reach the moon, with the objective of achieving a soft landing, exploring the lunar surface, and collecting invaluable scientific data. This mission is a technological challenge undertaken by India, led by ISRO.

As the attention turns towards the approach and landing of CH-3 on the moon, it is the right time to reflect on the making of CH-3. The spacecraft is the



result of a collaborative effort, involving a vast array of experts from nearly all ISRO centres and contributions from external partners. This article aims to shed light on these efforts and provide readers with a glimpse of the CH-3 endeavour.

A spacecraft carries payloads or scientific instruments in space. When it revolves Earth or a

celestial body, it is referred to as a satellite – an artificial one. CH-3 consists of a lander, designed to gently touch down on the moon's surface, and a rover, ready to explore the lunar terrain upon the lander's successful landing. To propel the lander and rover towards the moon, CH-3 relies on a propulsion module (PM).

Space is an unforgiving environment, characterized by high vacuum and ionizing radiation. Due to the lack of possibilities for in-situ repairs, the development of space missions demands meticulous

planning, design, testing, analysis, and review. It is a true example of "rocket science" that necessitates a multi-disciplinary team of domain experts working hand in hand with project execution teams, to tailor solutions for each specific mission.

The major ISRO Centres/units involved in the design, development, testing and realization of the CH-3 mission include

- U R Rao Satellite Centre, URSC, Bengaluru
- Vikram Sarabhai Space Centre, VSSC, Trivandrum
- Liquid Propulsion Systems Centre, LPSC Trivandrum & Bangalore
- ISRO Satellite Tracking

- Centre, ISTRAC, Bangalore
- Space Applications Centre, SAC, Ahmedabad
- Laboratory for Electro-Optics Systems, LEOS, Bengaluru
- ISRO Inertial Systems Unit, IISU, Trivandrum
- ISRO Propulsion Complex, IPRC, Mahendragiri
- Satish Dhawan Space Centre, SDSC-SHAR
- National Remote Sensing Centre (NRSC), Hyderabad
- Physical Research Laboratory, PRL
- Space Physics Laboratory, SPL

The U R Rao Satellite Centre (URSC) serves as the lead centre for conceptualizing, designing, developing, testing realizing, and operationalizing satellites. Experts at URSC meticulously design, test, and certify the spacecraft's structure. Further, to ensure the spacecraft's survival in extreme temperature variations in space, thermal engineering experts maintain the temperature of different parts within specified limits, using various sensors for monitoring. The thermal protection system for CH-3 is contributed by URSC and Vikram Sarabhai Space Centre (VSSC). Various mechanisms required for payload systems, Rover ramp deployment, antenna deployment, etc and the development of Lander's legs were carried out at URSC, while pyro systems for deployment were provided by

VSSC. These elements collectively form the mechanical subsystems of the spacecraft.

The electronic subsystems of the satellite, are powered by energy generated by solar panels and stored in batteries. Power system engineers at URSC estimate and provide suitable power generation and distribution systems. VSSC provided solar panel substrates for CH-3. Communication engineers design, test, and deliver sophisticated communication subsystems, which serve as the link between various modules of CH-3 and the ground station.

The satellite's orientation in space is determined by sensors such as sun sensors, star sensors, laser-based altimeters and velocimeters, which were provided by Laboratory for Electro-optics Systems (LEOS). Space Applications Centre (SAC) provided the CH-3 Lander Imager cameras, Ka-band altimeter, hazard avoidance sensors and Rover imagers along with their data processors.

Inertial elements such as wheels, accelerometers, and gyroscopes, which provide attitude and velocity information as well as correction of attitude errors, were delivered by ISRO Inertial Systems Unit (IISU).

Further, all these systems are controlled and monitored by an

onboard computer. Engineers with expertise in Control electronics and Digital electronics sub-systems contribute to the Attitude & Orbit Control Systems, Onboard Computers and different software catering to Navigation, Guidance & Control, base band telemetry, telecommand, data handling and storage functions.

Once the spacecraft is deployed by the Launch Vehicle, it is the responsibility of tracking and mission engineers to ensure on-orbit operations. Tracking expertise is offered initially by SDSC-SHAR, Sriharikota and later by ISRO Tracking and Command Network, ISTRAC, Bengaluru. In interplanetary missions such as the Mars Orbiter Mission (MOM), Chandrayaan - 2 (CH-2) or Chandrayaan -3 (CH-3), they occupy the driving seats during orbit insertion or final landing phases.

Once placed into the orbit, the satellite experiences a constant drag and drifts towards the earth or celestial body that it orbits. The propulsion system is used for restoring the satellite to its orbit. Propulsion engineers offer dedicated modules for the purpose, along with the propellants. While the Liquid Propulsion Systems Centre (LPSC), Valiamala offers the engines, thrusters, and valves with associated electronics, LPSC, Bengaluru realizes the

propulsion system comprising propellant tanks, control components and sensors. The engines and thrusters are all tested at the dedicated facilities at ISRO Propulsion Complex (IPRC), Mahendragiri.

For CH-3, the integrated hot test with propulsion, sensors, Navigation, Guidance & Control and flight software was conducted at SDSC-SHAR, Sriharikota. National Remote Sensing Centre (NRSC), Hyderabad supported the ground-testing of on-board sensors with references and aerial imaging. The Indian Air Force provided helicopter for the integrated sensors and navigation testing called the Integrated Cold Test at Chitradurga.

Several Lander drop tests with different touch down conditions, simulating the lunar environment, were conducted at URSC. The mechanical hardware was mainly provided by Hindustan Aeronautics Limited (HAL), with the Titanium Tanks delivered by Bharat Heavy Electricals Limited (BHEL). Further, a large number of private firms have also contributed to CH-3, in terms of mechanical and electronic fabrication. Those contributed to mechanical systems include DUCOM Aerospace, Smart Technologies, Artha Technologies, Multi Teck Engineering Solutions SLN CNC Tech, Southern

Electronics, Systems control technology solutions, Avasarala Technologies while those for electronic systems include Ananth Technologies, Centum Electronics, Data Patterns, Kaynes, Keltron, Newtech Solutions, etc.

The integration and testing of each subsystem is conducted rigorously to ensure functionality and reliability. Dedicated teams of engineers work on Assembly, Integration, Testing and Checkout of subsystems to create a fully functional spacecraft, ready to be integrated with the launch vehicle. These activities for CH-3 were undertaken at URSC.

A major step taken was incorporating the learnings from the unsuccessful landing of Chandrayaan-2 mission in 2019. In Ch-2, certain unexpected variations in performances of the Lander module eventually resulted in higher velocities at touchdown, which was beyond the designed capability of the Lander's legs, resulting in a hard landing.

Chandrayaan-3 has been made more robust by making hardware as well as software improvements in Lander, with the capabilities to autonomously handle wider range of dispersion, improvements in sensors, software and propulsion systems, full level redundancies in addition to exhaustive

simulations and additional tests being conducted towards ensuring a higher degree of ruggedness in the lander.

Throughout the CH-3 realisation across different stages, expert committees from academia and ISRO meticulously reviewed test results, observations, and non-compliances, and offered necessary guidelines to proceed as-is, repair, or replace components.

Former Experts who have served in ISRO have immensely contributed to CH-3. Former chairmen Dr. K Radhakrishnan, Shri A S Kiran Kumar and Dr. Sivan reviewed the overall configuration as members of the ISRO level Apex committee. Shri AS Kiran Kumar serves as



the Chair of Apex Science Board and Contingency Operations Review Committee for the entire duration of CH-3.

A committee of experts headed by Dr. V Koteswara Rao guided and oversaw special tests on the lander such as integrated cold test, integrated hot test, lander leg hot test etc. This committee is comprised of scientists who

served ISRO in the related fields of expertise. Along with them, the directors / eminent senior scientists from institutions like National Aerospace Laboratory (NAL), Aeronautical Development Agency (ADA), National Institute of Advanced Studies (NIAS), Inter-University Centre for Astronomy and Astrophysics (IUCAA), Indian Institute of Astrophysics (IIA), Raman Research Institute (RRI), Tata Institute of Fundamental Research (TIFR), Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Indian Institute of Geomagnetism (IIG), Aryabhata Research Institute of Observational Sciences (ARIES) and National Geophysical Research Institute (NGRI), and academicians from University of Hyderabad, IIT Kharagpur, Indian Institute of Science (IISc), IIT-Madras, IIT-Bombay, IISER-Kolkata, Ashoka University, IIT-BHU, and Manipal Academy of Higher Education (MAHE) have contributed in reviewing the configuration, test results, contingency plans, operations, science outcomes etc. during National Panel of Experts for appraisal.

Women scientists/engineers have been contributing to each of the ISRO Programmes. Specifically, over 100 women staff have played a direct significant role in

conceptualising, designing, realising, testing and executing of CH-3. Specifically, they have taken lead roles in

- overall spacecraft configuration, realization of CH-3 and team management;
- Assembly, Integration and Testing of the spacecraft;
- establishment and execution of Ground segment for CH-3 Mission Operations;



- carrying out Lander Navigation Guidance and Control simulations to assure the capability of Lander for autonomous safe and soft landing;
- development and delivery of crucial sensors like Laser Altimeter, Laser Doppler Velocimeter and Lander Horizontal Velocity Camera that play a key role in navigation during the critical Lander Power descent phase, etc.

As CH-3 approaches its landing on the moon's surface, the entire team, comprising experts from various domains, shall become humble spectators during the final moments of landing. The lander shall be granted autonomy to execute

commands, as the minimum two-way communication delay between the moon and Earth is unbearably long. The mission team shall take on the role of commentators during this critical phase, and any observations or anomalies shall be addressed collectively by expert committees, designers, fabricators, reliability experts, and mission engineers.

It is evident that a mission like CH-3 requires organized, dedicated and cumulative efforts, supplemented with a thorough and open review mechanism –the spirit of which is collectively referred to as 'ISRO culture'. Anyone, irrespective of organizational hierarchy, can put forth a technical argument that warrants a detailed discussion before proceeding further. No member of the team, including its leader, is greater than the team. Team leaders need not and cannot be an expert in all the disciplines but the leader ensures to bring the best in each. Anyone who notices an anomaly, even if the person noticing it is directly responsible for it, brings it to the notice of the teams and is highly appreciated. Discussions and remedies need not demand formal meetings; they can happen over tea or lunch tables.

It is this 'ISRO culture' that has yielded the greatest rewards and

CH-3 imbibes it in its entirety.

International co-operation:

CH-3 lander carries an auxiliary instrument, named as 'Laser Retroreflector Array (LRA)' that belongs to National Aeronautics and Space Administration (NASA) of USA. This lightweight structure with eight Retroreflectors can serve as a long-term geodetic station and a location marker on the lunar surface.

Ground stations of ISRO located in Brunei, Indonesia & Mauritius; European Space Agency (ESA) located in French Guiana, UK & Australia); of NASA located in USA, Spain & Australia; Swedish Space Corporation (SSC) located in Chile & USA are providing required support for tracking, deep space communication and navigation.

Payloads and their scientific outcome

CH-3 houses a total of seven scientific instruments.

The lander carries four instruments, namely,

- ILSA, a seismometer, developed by LEOS
- RAMBHA-LP, a Langmuir Probe - designed, realized, and delivered by Space Physics Laboratory SPL/VSSC.
- CHASTE, a thermal probe - designed, realized, and delivered by SPL/VSSC.

- LRA, a Retroreflector from NASA.

The rover has two instruments viz.,

- APXS, an X-ray spectrometer, provided by Physical Research Laboratory, PRL
- LIBS, a laser-based spectrometer, provided by LEOS.

The propulsion module has SHAPE (a spectro-polarimeter) instrument, developed by URSC.



Major scientific experiments planned once the Lander successfully lands on the Moon include studying the (i) vibrations on the lunar surface due to seismic events, and/or due to the impact of meteorites, rover movement, etc (ii) near-surface plasma environment (iii) temperature and thermal conductivity up to the depth of 10 cm (iv) elemental composition in and around the landing site (v) spectral signatures of Earth from lunar orbit.

How is the launching system organised?

Launch Vehicles are responsible for lifting the spacecraft from Earth's surface, passing through the atmosphere and injecting into an initial orbit, from where the spacecraft further carries forward its assigned tasks. For the purpose of CH-3, ISRO used the LVM3, which has been designed and developed by VSSC as the lead centre, with specific contributions from various ISRO centres and industries. In particular, LPSC contributes rocket engines and propellants, and IPRC conducts engine testing. SDSC-SHAR, Sriharikota, manufactures solid stages and facilitates rocket launches. ISTRAC, Bengaluru, supports launch vehicle tracking.

Launch missions exemplify the organized collaboration of expertise from various centres, ensuring seamless launch operations.

“Each of the Space programmes has been a resolute national mission, involving a select few directly, but thousands indirectly or remotely. Every contributor plays a crucial role, making them all key functionaries. In the case of CH-3, numerous science streams, academics, industries, and PSUs have actively participated. As this significant mission unfolds, we carry the heartfelt wishes of billions, united in their hopes for its resounding success.”

- Somanath S., Chairman, ISRO



MESSAGE FROM CHAIRMAN

Mr. Arun Kumar L Chairman



A college magazine always reflects the aspirations and attitude of the students, faculty members and other stakeholders of an institution. College magazine, therefore, is an important media to promote the philosophy, an institution believes in. Also, it brings out into the hidden competencies of our students.

It gives me immense pleasure to note the creative expressions of students who had contributed to college magazine Dynamics. Dynamics has recorded various activities undertaken by the college in accomplishing its vision- Developing Academically excellent, Culturally vibrant, Socially responsible and globally competent human resources.

ATME College of Engineering has grown copiously in the last 7 years. Dynamics is presenting a glimpse of the growth of the institution on many fronts. Dedicated faculty members always stood shoulder with the management and have carried out their responsibilities with a level of commitment.

I congratulate and thank all the students and staff coordinators who have made determined efforts to bring out this magazine. I wish them all success.

Best regards,

Mr. Arun Kumar L
Chairman, ATMECE

MESSAGE FROM PRINCIPAL



Dr. A K Murthy Principal

Dear Students,

It is my pleasure to offer my congratulations to the contributors and editors of this year's college magazine. The publication is a testament to the talent and creativity of our students and serves as a celebration of our college community.

Our college magazine is not just a compilation of articles and art, but a reflection of our diverse community's experiences, perspectives, and achievements. This year, more than ever, we need to recognize and appreciate the value of diversity, inclusivity and empathy in our college community. As you read through the magazine, I hope you will find inspiration, insight, and enjoyment in the contributions of your peers. Let us take pride in our accomplishments and the values we hold dear as a community.

I would like to thank the editorial team and contributors for their dedication, passion, and hard work in bringing this magazine to fruition. Your tireless efforts have made it possible to showcase the breadth and depth of our student body's talents and interests. I encourage all students to continue to express themselves through writing, art, and other forms of creative expression. Your voice is valuable and needs to be heard, particularly in these times when the world needs it the most.

Once again, congratulations to all involved, and I look forward to seeing more of your work in future editions of our college magazine.

Sincerely,

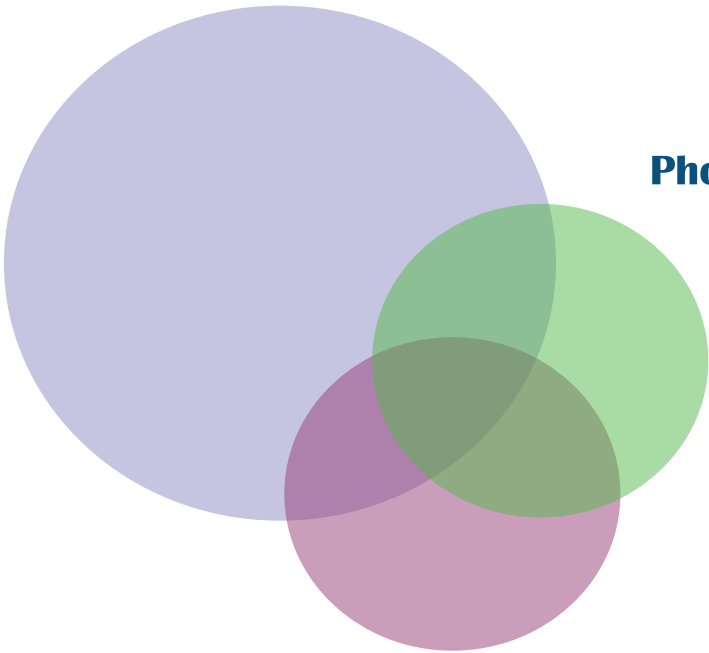
Dr. A K Murthy
Principal, ATMECE

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EDITORIAL DESK



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 10th 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 2023 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

Chairman

Dr A K Murthy, *Principal*

Chief Editor

Dr. Puttegowda D, *HOD, CSE*

Coordinators

Dr. Madhusudhan K V, *Dept of BSH*

Mr. Karthik Kumar, *Dept of ME*

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*

About ATME College of Engineering

ATME college of engineering is founded by a group of like-minded technocrats in 2010. Founders are managing various kind of enterprises like infra companies, manufacturing units, and IT service. Founders are aware of the need of the industry and trying to cater to such needs by developing industry-ready engineers through ATME College of Engineers.

ATME has created a futuristic infrastructure with 3 lakh sq ft of built-up area, state of the art labs, a cluster of seminar halls & Auditorium with all modern gadgets, Library, Central computing facility, etc. All this has been done within a span of 8 years and can proudly be said that our infra is at par with any institution with a standing of 20-25 year.

It's not only the infra, but also the kind of faculty profile ATME has engaged, Teaching Learning Process adopted, student support system put in place, Co-curricular & extracurricular activities being conducted and Placement achieved within this shortest span of time is significant.

ATME has been fostering Industry-Institute interaction on a regular basis. ATMECE has entered to MOUs with many industries for Internships, Placement, Skill enhancement, Research & Development etc., Reputed companies like TOYOTA, SKILLFINITY, CISCO, VIVARTAN, TPC & Sri AlliaNce MechatroNics have set up their labs and Training centers in the college campus.

Research is one more area where ATME is doing extremely good. ATMECE has 6 Research Center with about 25 Ph.D. qualified faculty members. About 28 Research scholars carrying out research work in the college. Lots of Publication & Consultancy projects are also being undertaken by faculty members.

ATME has created an ecosystem where education is just not limited to academics, it extends beyond the class rooms & labs to industry interactions, cultural, social and sports events for the all-round development of the students.



Vision

- Development of academically excellent, culturally vibrant, socially responsible and globally competent human resources.

Mission

- To keep pace with advancements in knowledge and make the students competitive and capable at the global level
- To create an environment for the students to acquire the right physical, intellectual, emotional and moral foundations and shine as torchbearers of tomorrow's society
- To strive to attain ever-higher benchmarks of educational excellence

Core Values

- Ethics
- Integrity
- Excellence
- Innovation
- Collaboration
- Social Responsibility

About Principal

Dr. A K Murthy Graduated from Mysore University, Post Graduated from Karnataka University and PhD from Visvesvaraya Technological University. Also he underwent with software courses in Data Software Research Center, India and NCR Singapore after his graduation. He is a member of Indian Society for Technical Education, India and Institution of engineers, India.

Served in SOFTWARE INDUSTRIES at various positions from application developer to Project Manager and in EDUCATIONAL INSTITUTIONS at various positions from Faculty, Assistant Professor, Professor, Head, Vice Principal to Principal, Dean, Director and Registrar In-charge. Possess strong personality traits, excellent communication and interpersonal skills & high quality of learning and teaching.

Dr. A K Murthy Possess 31+ years of experience serving in Administration, Information, Technology, Financial, Research and Development, Industrial, Information Technology, Production and Operations Management and Software Project Experience, OBE Practices, NAAC, NBA Accreditation Process. His service includes about 14 years of international experience and about 18 years of academic administration, research, and teaching experience. His vision is to serve in the Organization where professional skills are best valued and to take leverage of the best technology in the Industry and to contribute to Education system which leverages his skills & experience.



During his PhD research, he has developed a FRAME WORK FOR CORPORATE MANAGEMENT SYSTEM USING BUSINESS INTELLIGENCE. The prime focus of this work., Involves, development of an integrated predictive collaboration performance evaluation frame work using Business Intelligence.

Served as QA Engineer and responsible for all quality activities, including managing the ISO9001:2000 Quality Management System and other Certification Scheme. Served for project management and application software development in the fields of Project analysis, Requirement Study, Feasibility Study, Project design, Under Various systems mainly ECS/ECS+/GCMS (MC)/TRAMS /ESSENTIS/VISA VAP for Western European region countries, Asia pacific region countries, CEEMEA and Mexico regions. His Contribution to academic programs, as a Resource person were Mechatronics, Aeronautical Engineering, and Artificial Intelligence. Developed an automated system for attainment computations for supporting OBE process, Developed rubrics and automated faculty evaluation.

DEANS



Dr. M.S. GOVINDE GOWDA
DEAN ACADEMICS



Dr. S R BHAGYASHREE
DEAN RESEARCH



Dr. SRINIVASA K
DEAN STUDENT AFFAIRS

Office Staff



VTU Rank Holder



NAAC Accreditation

ATME College of Engineering has been Accredited with

A⁺ GRADE

by **National Assessment and Accreditation Council (NAAC)**



TO ALL THE STAKE HOLDERS



Department of Basic Science & Humanities

Department of Chemistry

"The best way to have a good idea is to have a lot of ideas".

- LINUS PAULING

The Department of Chemistry welcomes both students who want to learn the principles of chemistry and those who want to pursue professional careers in the subject. Chemistry is deeply intertwined with all aspects of human activity (food, clothes, housing, transportation, health, and so on), and comprehending its language is critical for addressing present and future social and economic concerns. Chemistry is a distinct academic discipline as well as an industry. Future engineers and researchers can thus pursue careers in any chemistry-related field, such as pharmaceuticals, clinical, synthetic, and biological compound analysis, materials for converting and storing solar energy, pollutant analysis and chemical analysis procedures for the environment, and new communications and information technologies about materials and electrical components.

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 in 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 and Ph.D. Students.

The Department of Chemistry at ATME College of Engineering has Research articles published in Scopus-indexed international journals. The faculties in the department are actively involved in educational, research, cultural, sports, and promotional activities.

About the Research Centre

The Department of Chemistry obtained the status of the research center in the year 2014 with two eligible research guides Dr. Avinash. K & Dr. Kiran Kumar P. Presently one student is awarded, and two students are working as full-time research scholars at the research center.

The lab is provided for wet lab operation and a separate working place for dry lab. Both places are well equipped with working tables, Wi-Fi internet, and other facilities such as glassware and numerous chemicals for the smooth conduct of experiments. Students and research Scholars are provided access to various journals like Elsevier, Springer, Taylor & Francis, and many more.

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

- *Single beam UV-Visible Spectrophotometer & Visible Spectrophotometer*
- *Roto vacuum Evaporator*
- *Muffle furnace with a temperature range of 500 °C – 1500 °C*
- *BOD incubator 0 °C - 100 °C, Microbiological incubator 0 °C – 60 °C.*
- *Hot air oven up to 400 °C,*
- *Laminar airflow*
- *Sonication bath*
- *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	Assistant Professor & Head	16 Years
2	Dr. Kiran Kumar P	Assistant Professor	15 Years
3	Smt. Anusha H S	Assistant Professor	1 Year

Supporting Staff

Sl. No.	Name	Designation	Experience
1	Mr. Sharath Babu R	Lab Instructor	37 Years
2	Mr. Lakshmana G N	Attender	14 Years

Life is chemistry;
dilute your sorrow
evaporate your worries
filter your mistake boil
your ego "You will get
the crystal of
happiness"

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 mechanics, Linear Algebra, Numerical Methods, Number Theory, Probability, Statistics and Queueing Theory.

Faculty

Sl.No.	Name	Designation	Experience
1	Mr. Sudhakar N(Ph.D)	Assistant Professor & Head	22 Years
2	Dr. Madhusudhan K V	Associate Professor	17 Years
3	Mrs. Priyanka N B(Ph.D)	Assistant Professor	15 Years
4	Mrs. Divya K(Ph.D)	Assistant Professor	15 Years
5	Mrs Bhanu Priya J	Assistant Professor	4 Years
6	Mrs. Sarada Pratapa(Ph.D)	Assistant Professor	14 Years
7	Mr. Rangaswamy	Assistant Professor	2 Years

**MATH IS LIKE GOING TO
THE GYM FOR YOUR
BRAIN. IT SHARPENS
YOUR MIND.**

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 have an average of 14 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.

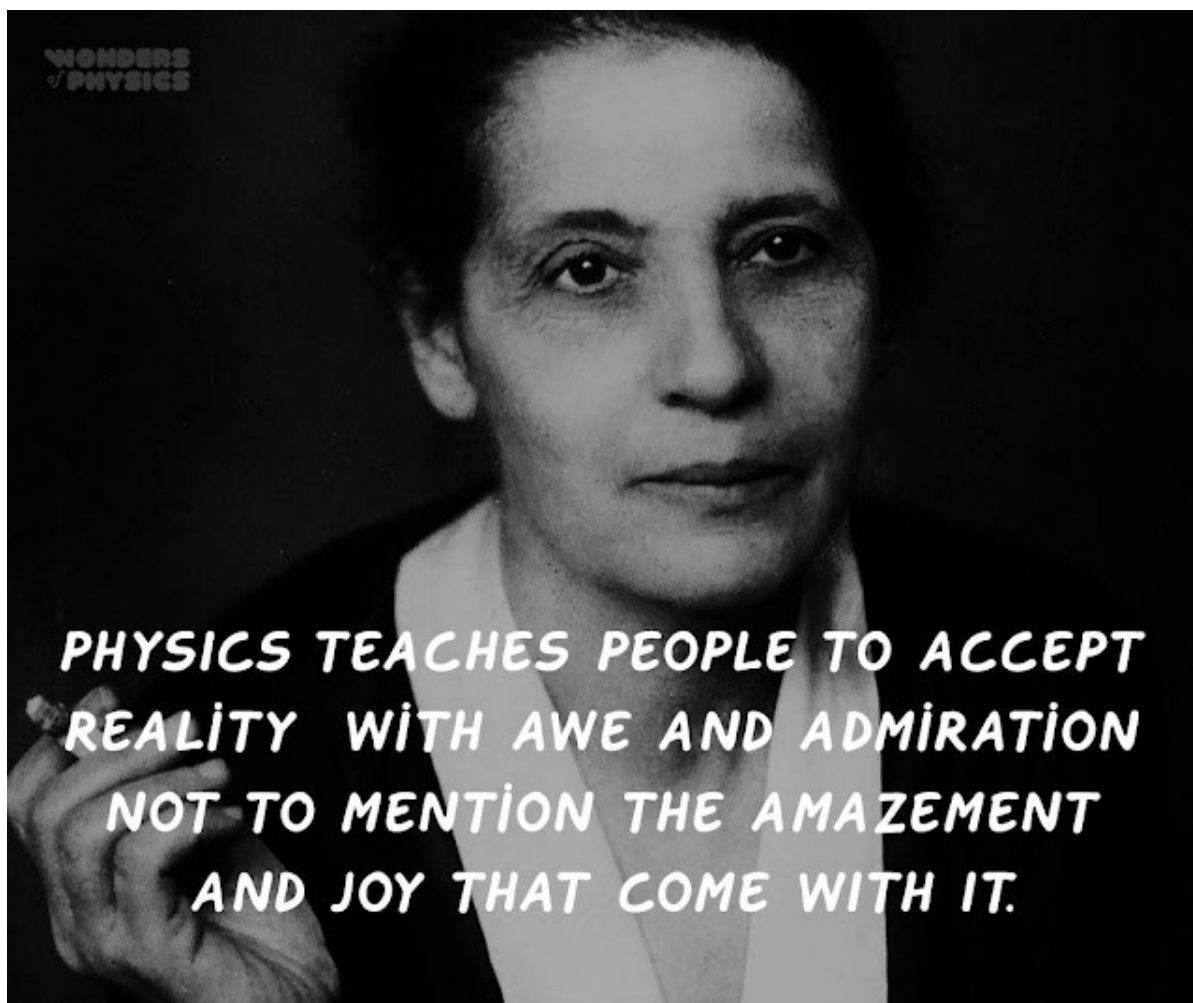
The Department of Physics has a Research Center recognized by Visvesvaraya Technological University. The research center's operates in the areas of materials, tribology, and energy devices. Two research researchers are guided by Dr. Mahesh Lohith K S, Associate Professor and Head of the Research Centre.

List of Faculty of the Department

SI.No.	Name	Designation	Experience	Specilization
1	Dr. Mahesh Lohith K S	Associate Professor & Head	25 Years	Nuclear Physics, Materials, Tribology
2	Mr. Ramachandra M N(Ph.D)	Assistant Professor	19 Years	Nuclear Physics
3	Mrs. Rani T	Assistant Professor	13 Years	Solid State Physics
4	Dr. Madhusudhana R	Assistant Professor	15 Years	Nuclear Physics, Nanotechnology
5	Mr.Raghavendra R(Ph.D)	Assistant Professor	6 Years	Nuclear Physics
6	Mr. Anjan Kumar J	Assistant Professor	6 Years	Solid State Physics

List of Supporting Staff of the Department

Sl.No.	Name	Designation	Experience
1	Mr. Sannappa D	Assistant Instructor	12 Years
2	Mr. Manjunatha M G	Attender	10 Years





Department of Civil Engineering

DATUM - 2K23

Department of Civil Engineering organized an Inter-Collegiate One Day Technical Fest DATUM - 2K23 at ATMECE premises on 09th May 2023. Dr. L Basavaraj Principal ATMECE, Dr. Sachidananda Murthy, Administrative officer, Dr. Yatisha L, Dean Student Affairs, Mr. Manu Vijay, Assoc Prof & Head Dept. of CE inaugurated the event. Over 100+ participants from different institutions had attended the event.

Technical Events such as CADD - DO, Quizzee, Coding & Decoding and Non-Technical events such as Super minute, Sketch-it-up & Level-up was conducted for students. Students were awarded with cash prizes. Premier CADD, Ellite Mass Constructions, Akshath Constructions, GVK & System Needs sponsored the event.



Felicitation of Toppers by Buidler's Association of India (BAI)

Builders association of India (BAI) Mysuru chapter felicitated toppers of Civil Engineering & CTM Department of various Engineering Colleges in and around Mysuru on 22nd December at MBCT center Mysuru. Ms. Amrutha M & Ms. Nayana M K studnets of Civil Engineering Department, ATMECE were felicitated for being the overall toppers of the department for the academic year 2021-22.



Industry outreach programme

Department of Civil Engineering in association with Association of Consulting Civil Engineers (ACCE (I)), Mysore Chapter and Ramco Cements Limited organized One-day Outreach Program “Practical Approach to Construction Technology” on 12th April 2023 at ATMECE premises. The Inauguration of the Program was carried out by ACCE Chairman Er. Deepak, Dr. L Basavaraj, Principal ATMECE, Er Shashiraj, Secretary, ACCE and Mr. Manu Vijay, HOD Dept. of CE, Er. Nikhil P Koundinya, Managing Director Pramur groups Mysuru, Teaching & Non-Teaching faculties and 8th semester students witness the event.



Industrial Visit to BMRCL & ACT Bengaluru

Department of Civil Engineering had organized an Industrial Visit to Bengaluru Metro Rail Corporation Limited (BMRCL) & Academy of Concrete Technology (ACT), Bengaluru on 5th May 2023 for 8th semester students. A total of 46 students and 3 accompanying staffs Mr. Rudresh A N Asst. Prof, Srivathsa H U Asst. Prof & Puneeth K Asst. Prof took part in the visit.



INDUSTRY VISIT TO KRS DAM

Industrial visits provide the students with an opportunity to learn practically through interaction, working methods and employment practices. It gives the students an exposure to current work practices as opposed to theoretical knowledge being taught in their college classrooms.



Technical talk

Application on pre-stressing in construction

Department of Civil Engineering organized a technical talk on “Application on Pre-stressing in construction” on 07th March 2023 for 8th semester students with an objective of minimising the gap between the academics and industry.



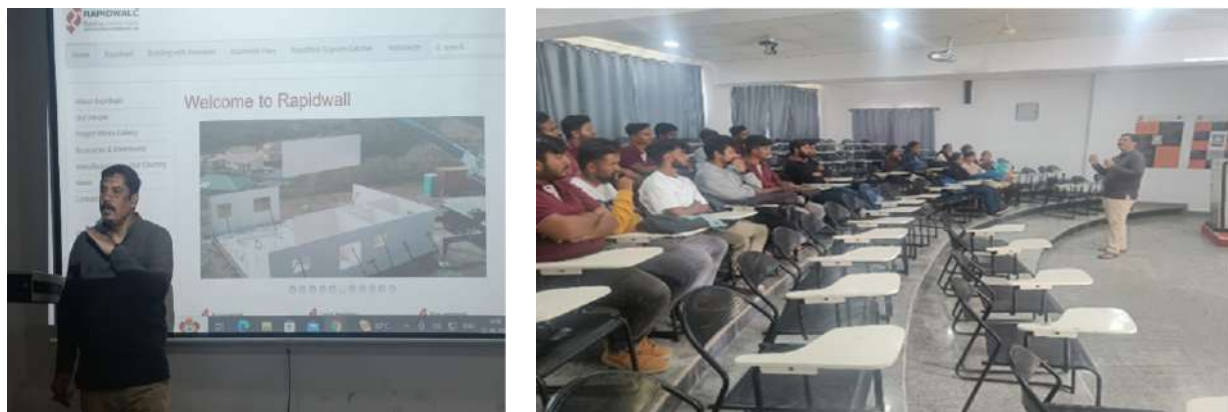
Future Business opportunities on creating wealth from Bio-waste through Entrepreneurship

Department of Mechanical Engineering in association with Civil Engineering organized a technical talk on “Future Business opportunities on creating wealth from Bio-waste through Entrepreneurship” on 17th January 2023 for 3rd & 5th semester students of Civil & Mechanical Engineering Department with an objective of enriching the knowledge on waste management based on biomass energy and business opportunities in the future career.

Rapid wall Construction Technology

Department of Civil Engineering organized a technical talk on “Rapidwall Construction Technology” on 24th August 2023 for 4th semester students with an objective of creating an awareness on modern techniques and practices in Construction Industry.

Prof. Ar. Acharya S, Acharya Institute for Innovation & Transformation, Mysuru was the resource person for the above said technical talk



Survey camp:

As per prescribed VTU syllabus, Department of Civil Engineering organized Survey Camp for 6th semester students from 26th March to 31st March 2023 at Melkote, Pandavapura Taluk Mandya District. The students carried out all the basic survey works in the field in prior to the commencement of any Civil works. The camp played a vital main role in bridging the gap between theoretical and practical exposure which is very essential to the students. Teaching faculties Mr. Rudresh A N, Mrs. Bharathi B & Mr. Srivathsa H U and Non-Teaching faculties Mr. Jayaram B S, Mr. Manjesh & Ms. Priyanka Co-ordinated the Camp.



Catalyst - 2022

Mohammed Bilal & Junaid Ahmed of 7th semester bagged Second Runner-up in the Quiz competition with a cash price of Rs. 6000/-



Academic Toppers for the year 2022-23









Department of Computer Science & Engineering

The Department of Computer Science & Engineering started in the year 2010. It is a 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 a 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 and ClassmainSoftwares,

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.

Technical Talk on "Importance of Emerging Technologies in Industry"

A seminar was conducted by Department of Computer Science and Engineering, ATMECE, Mysore for 3rd year students regarding "Importance of Emerging Technologies in Industry" on 21st November 2022. The Resource person was Mr. Shashi Kumar Y S, Chief Technology Officer, Pentagon Space, Bangalore, Bangalore. The Event was convened by Dr. Putte Gowda D, HOD of CSE Dept,



ATMECE and coordinated by Mrs. Sushma Varadraju, Assistant Professor, Dept. of CSE, ATMECE.

Resource person briefed that data is ruling the world, they expected that in 2025 1 zeta bytes of data will be used for computing purpose. (1 zettabyte = 1 million tera bytes).

- They gave an introduction about full stack web development, software/system testing, cloud computing and ui/ux design.
- They gave some tips about how to introduce ourselves in front of recruiters called as introduction tips.
- They told about their company called 'pentagon space' and they gave some offers to our college i.e full stack development, python full stack development and system testing and ui/ux design.
- They told the difference between product base company and service base company.
- They briefed that Emerging technologies play a vital role in the modernization of industries. New technologies help in transforming enterprises into a digital world. Technology is indeed one of the fastest-growing agents in the present world than ever before. The emerging technology has brought a significant transfer in information, technology and development sectors mainly.

List of Latest Technologies Discussed by Resource person:

- **Artificial Intelligence:** AI is an emerging engineering branch and why it can provide you with a job easy and secure. Artificial Intelligence is the future of humans, industries as well as organizations. Artificial intelligence is working as an integral part of many industries. Artificial Intelligence shows a huge prospective to automate business, make intelligent decisions, understand the market need, and effectively utilize available resources. Before understanding the benefits of Artificial intelligence, we need to recognize relevant use cases, design an appropriate solution for analysis, implementing the desired resolution at the organization level, and applying output solutions to various operational activities in the organization. They help us automate each task, like automation of vehicles to e-commerce stores.
- **Big Data:** As the amount of data is increasing at a rapid pace. So the big data comes into existence and plays a vital role. Big data is a simple and effective method. It is an excellent way to collect, organize and comprehend the data for the benefit of businesses. Big data technology involves building massive data architectures to manage and analyze unstructured data and offer real-time value for the company.
- **Machine Learning:** It is a part of AI that enables self-learning from data and then applies that learning without human intervention. Machine Learning is used in many real-life scenarios such as online fraud detection, traffic prediction, automatic language translation, Email spam filtering and many more.
- **IoT:** IoT is seen as the change agent for the deluxe and practical lifestyle for the consumers, offering precious customer interactions and outstanding experiences. IoT is one of the most exciting areas of focus today. The idea turns around the nano-sensors circulating in the human body or any specific object. Once connected with the technology, this will have a proliferating impact on the various sectors such as medicine, agriculture, architecture etc.

Finally, the seminar was concluded by providing guidance for the students to make use of the opportunities provided by the college to improve their skills.

Report on 2 days workshop on “Full Stack Development”

A 2 days workshop on “Full Stack Development” was organized for the 7th Semester Students of Computer Science & Engineering on 16/12/2022 and 17/12/2022.

The main Aim of the workshop is to enhance the programming skills of the students and to create awareness on industry standards. The workshop was inaugurated by Dr. Basavaraj L, Principal, ATME College of Engineering, Mysuru. Dr. Puttegowda D, Professor & Head, Department of Computer Science & Engineering, ATME College of Engineering, Mysuru, and the resource person for the event Mr. Nikhil Rai, Software Developer, Coders Arcade, Bengaluru presided over the function.

In his inaugural address, Dr. Basavaraj L, sir spoke about the importance of learning and understanding the industry standards. Sir also insisted the students to go make use of the opportunities provided by the department and convert it into a fruitful result.

Later the session was handled by the resource person for the event Mr. Nikhil Rai. He gave introduction to the platform and requirements of Full Stack Developers in the Industry. cross-functional team structure and collaborative approach ensures that all reviews and client feedback are incorporated in the development process were discussed. He also explained the role of a full stack web developer. He has covered different topics like how to make a prototype rapidly, easily switch between front and back end development based on requirements and better understanding about new and upcoming technologies. Hands-on experience was provided to students. The session was very interesting with the participants responding with admissible questions and observations. The participants gave them feedback on the workshop. And finally the sessions of the workshop was concluded by facilitating the resource person.



Workshop on “Interfacing Front End & Back End Connection”

Department of CSE organized two-day workshop on “Interfacing Front End & Back End Connection” for 5th sem students. The main motto of the workshop was to teach students how to “INTERFACE FRONT-END AND BACK-END CONNECTIONS”, Mr. ANIL KUMAR B H a framework designer, servicing in SISC, Bangalore was invited as a resource person. Event got started from 9:00 AM end ended at 5:00 PM, Coordinated by Mrs. Kavyashree E D & Mrs. Sushma V, Asst. Prof. Dept. of CSE.

Objective:

Students will be learning front end technologies such as Java, Python & PHP.

Day 1: 13th Jan 2023

The session was divide into two parts morning and afternoon session. In the morning session Resource Person gave a brief introduction on the front end and back end tools used for website creation. Students were taught the format of HTML and PHP languages such as how to write the syntax and run them on browser. He gave brief overview on how to connect front end with back end by using xampp server and also

demonstrated how to create login page and sign up page with some examples to convey the topics clearly. Students were even introduced to many software tools like XAMPP, WAMPP, apache (java),notepad++, and many more.

After the lunch break afternoon session was about how to create a database, table using GUI tool i.e., xampp server and also how to update, insert, delete the data in the database. After this resource person discussed about the

concepts triggers and stored procedures and also demonstrated it using GUI tool. After attending this session, students have a clear idea about front end and back end tools which help them in developing DBMS mini project.



Report on 2 days' workshop on Mobile Application Development on Android

A 2 days' workshop on “Mobile Application Development on Android” was organized for the 6th Semester Students of Computer Science & Engineering on 12/04/2023 and 13/04/2023.

The objective of the workshop is as follows:

- To create awareness about android technology among students
- To solve social problems using Android Technology
- To learn and gain detailed knowledge about android and other new technologies required for mobile application development
- To share knowledge with students

The workshop was inaugurated by Dr. M S Govinde Gowda, Dean Academics, ATME College of Engineering, Mysuru. Dr. Putte Gowda D, Professor & Head Department of Computer Science & Engineering, ATME College of Engineering, Mysuru, and the resource person for the event Pradhyumna, CEO, ATEU Software's presided over the function. Workshop on “Android App

Development” aims to impart technical and practical knowledge to students and future engineers. A value-added course on android mobile application development was conducted in Computer Science and Engineering Department for III-year students.



All the sessions were handled by Pradhyumna, CEO, ATEU Software's on the need for Android App development, Installation of eclipse and android development kit and the basic files in the

android. Students learnt how to develop simple android applications. He provided insights about Android development. He explained them app architecture, app components and app resources. He not only explained it analytically but also demonstrated by creating an app with the students. Even the students got a chance to experiment with their coding skills on Android Studio. To enhance their skills an app development competition was declared. In this the students had to design the user interface of the app. The first app developed by students is to display a simple message. From this they are familiar with how to create an app and run the app. The second app developed by students is to display the contents in the text box as simple text. From this, they learnt how to use the components in the app development and also learnt to code for that app. The third app developed by the student is simple addition calculation. The fourth app developed by student is simple calculator. From this they are very well trained with how to use android software for application development and writing code for the application. Students felt



that this value-added session on android mobile app development was very much useful for them and they got the basic idea for developing mobile application. It is planned to extend this value-added training in the next semester with some medium level of application development.



Project Exhibition 2022-23

The Department of Computer Science and Engineering had organized Project Exhibition for Final Year students on 22/05/2023 to encourage the students to improve their skills in presenting their projects and identify best projects.

The objective of the exhibition is as follows:

- To provide the platform and unleash the potential of the students by showcasing their innovative projects developed in the Final Year
- To improve presentation skills of the students
- To enhance their communication skills by presenting their projects in a forum
- To share knowledge with fellow students and faculties

Faculty Coordinators:

Mrs. Sushma V (Varadaraju), Asst. Prof, Dept. of CSE

Mrs. Kavyashree E D, Asst. Prof, Dept. of CSE

Total No. of Students participated: 126



Project exhibition was scheduled on 22nd May 2023 at 9 AM in the departmental labs. The students had to exhibit their technical as well as presentation skills wherein they were given an opportunity to demonstrate their project by using their laptops.

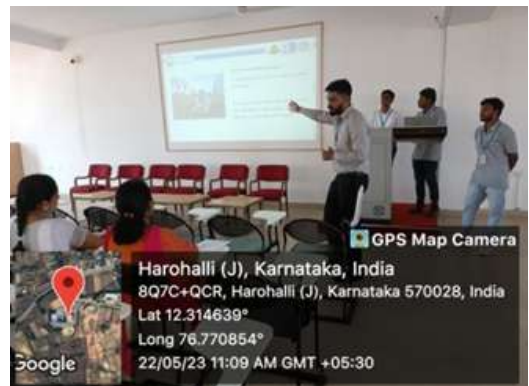


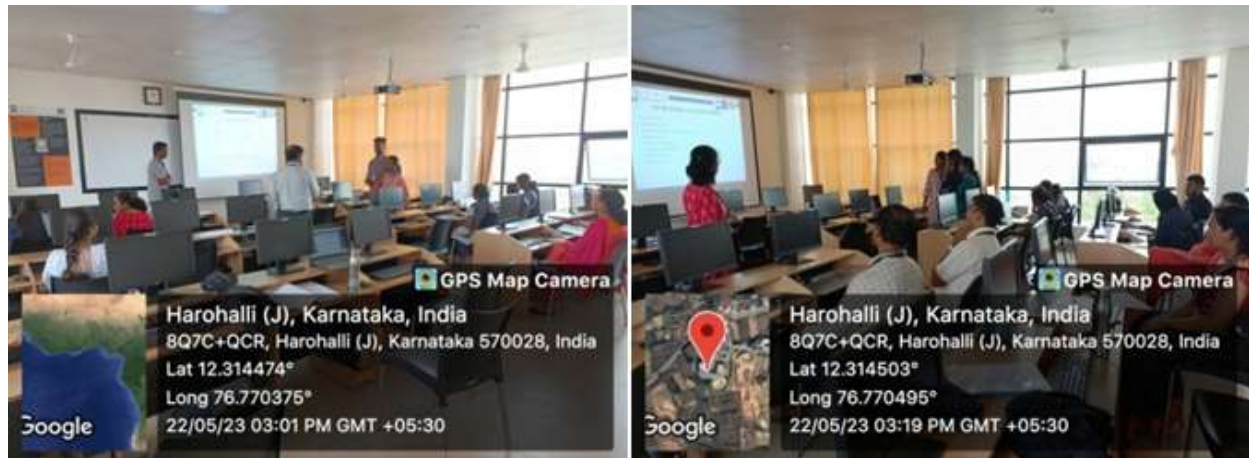
The main agenda behind the exhibition was to explore the technical skills among our students and give more exposure towards technical knowledge which is very much required in building their career. The event mainly focused in developing interest among students toward new innovation and rapidly growing technology.

Dr. Puttegowda D, HOD, Department of CSE, and faculties also encouraged the students, which brought more zeal and enthusiasm among the students to work harder towards the success. About 32 teams participated in this event and each team came up with a unique project which clearly showed the technical ability of our students. Top 3 Batches were awarded as Best Projects of the Project Exhibition 2022 – 23.

The judges not only gave the judgment but also helped and guided the students to make some improvisations in their project wherever required which in turn helped the students to work on their project in a better way.

Overall, the event turned out to be a very successful one since many teams participated and were satisfied with their efforts. This also gave them the confidence to work out more and more project models which would grace them with high technical knowledge and skills.





CG Mini Project Exhibition 2023

The Department of Computer Science and Engineering has signed an MoU with CLASSMAIN Software Pvt.Ltd., Mysore to encourage the students to acquire the knowledge on cutting edge Technology.

The objective of the MoU is as follows:

- To create awareness about technology among students.
- To solve social problems using Technology.
- To learn and gain detailed knowledge and other new technologies required for application development.
- To share knowledge with students and faculties.

Events organized under MOU as follows

Date: 4th July 2023, 10 AM to 4 PM

Venue: CG Lab, Department of CSE

Faculty In-charge: Dr. Mahesha Y and Mr. Sandesh R
Assistant Professor, Dept. of CSE ATMECE, Mysuru

Reviewer: Dr. Sunitha Patel
Associate Professor, Dept. of CSE ATMECE, Mysuru
Shrilakshmi Prasad
Assistant Professor, Dept. of CSE ATMECE, Mysuru

Total No. of Students participated:

Computer Graphics Mini project exhibition was scheduled on 4th July 2023 at 10 AM in the departmental labs. The students had to exhibit their technical as well as presentation skills wherein they were given an

opportunity to demonstrate their project by using their laptops. Computer Science Department faculties were assigned as departmental coordinators for the android project exhibition who helped student participants with the required details.

The main agenda behind the exhibition was to explore the technical skills among our students and give more exposure towards technical knowledge, which is very much required in building their career. The event mainly focused in developing interest among students toward innovation and rapidly growing technology.

The faculties also encouraged the students, which brought more zeal and enthusiasm among the students to work harder towards the success. Near about 120 students participated in this event and each team came up with a unique project which clearly showed the technical ability of our students.

The judges not only gave the judgments but also helped and guided the students to make some improvisations in their project wherever required which in turn helped the students to work on their project in a better way. Overall, the event turned out to be a very successful one since many teams participated and were satisfied with their efforts. This also gave them the confidence to work out more and more project models which would grace them with high technical knowledge and skills.



Android Project Exhibition

The Department of Computer Science and Engineering started an Android Club during academic year 2019-20 to encourage the students to acquire the knowledge in Android Technology.

The objective of the club is as follows:

- To create awareness about android technology among students.
- To solve social problems using Android Technology.
- To learn and gain detailed knowledge about android and other new technologies required for mobile application development.
- To share knowledge with students and faculties.

Faculty Coordinator:

1. Mrs. Kavya P O, Asst. Prof, Dept. of CSE
2. Mr. Raghuram A S, Asst. Prof, Dept. of CSE

Student Coordinators:

1. Harshitha
2. Harish
3. Vignesh
4. Pooja

From 3rd year

1. Pavan Kumar D
2. Kavana

Events organized under android club are as follows:

Date: 8th July 2023, 12 PM to 4 PM

Venue: Android Lab, Department of CSE

Faculty In charge: Mr. Raghuram A S and Mrs. Kavya P O
Assistant Professor, Dept of CSE
ATMECE, Mysuru

Judges: Mrs. Keerthana M M and Mrs. Vanitha
Assistant Professor, Dept of CSE
ATMECE, Mysuru

Total number of students participated: 103

Mini project exhibition was scheduled on 8th July 2022 at 9 AM in the departmental labs. The students had to exhibit their technical as well as presentation skills wherein they were given an opportunity to demonstrate their project by using their laptops.

Computer Science Department faculties were assigned as departmental coordinators for the android project exhibition who helped student participants with the required details.

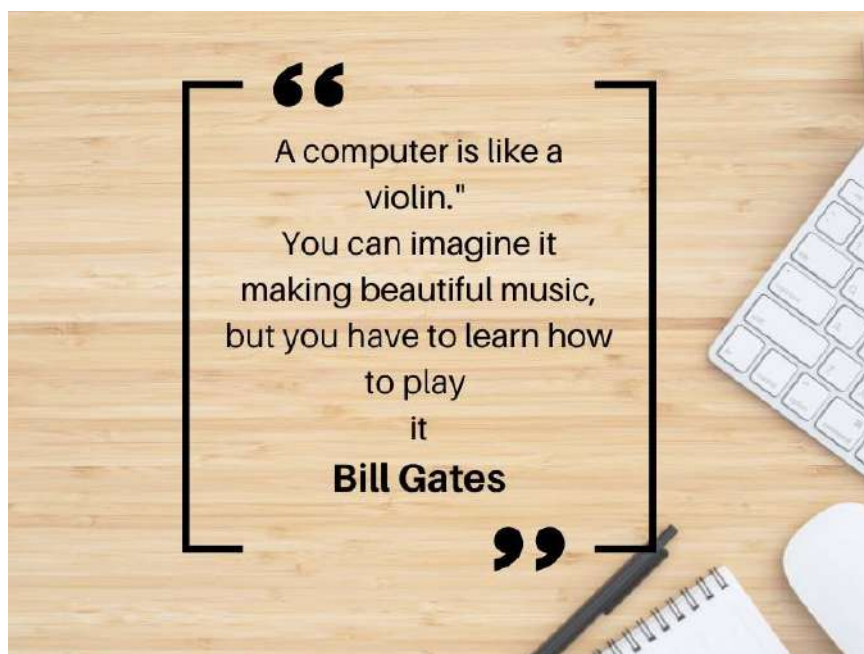
The main agenda behind the exhibition was to explore the technical skills among our students and give more exposure towards technical knowledge which is very much required in building their career. The event mainly focused in developing interest among students toward new innovation and rapidly growing technology.

The faculties also encouraged the students, which brought more zeal and enthusiasm among the students to work harder towards the success. Near about 64 teams participated in this event and each team came up with a unique project which clearly showed the technical ability of our students. The judges not only gave the judgments but also helped and guided the students to make some improvisations in their project wherever required which in turn helped the students to work on their project in a better way.

Overall, the event turned out to be a very successful one since many teams participated and were satisfied with their efforts. This also gave them the confidence to work out more and more project models which would grace them with high technical knowledge and skills.

Faculty Achievement

Sl. No.	Year	Activities	Name of the faculty
1	2022-23	Ph.D awarded	Dr. Usha
2	2022-23	Ph.D awarded	Dr. Sunitha Patel M S
3	2022-23	Ph.D awarded	Dr. Mahesha Y





Academic Toppers for the year 2022-23





Department of Electrical & Electronics Engineering

ABOUT THE DEPARTMENT

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 Accredited by National Board of Accreditation (for second time up-to 2024-2025) and 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, Innovaskill Technologies, Xponential orbit shifters, which provide Domain Specific Training in the area of Industrial Automation, Embedded system design, Cyber security in Power systems. This enables the students to exhibit their Technical skills in the field of Automation, Embedded system design and Cyber security

Vision of the Department

- To create Electrical and Electronics Engineers who excel to be technically competent and fulfil the cultural and social aspirations of the society.

Mission of the Department

- To provide knowledge to students that builds a strong foundation in the basic principles of electrical engineering, problem solving abilities, analytical skills, soft skills and communication skills for their overall development.
- To offer outcome based technical education.
- To encourage faculty in training & development and to offer consultancy through research & industry interaction.

KEY MILESTONES

- Ms. Safeena Shazia Secured 8th Rank in University with an average score of 84.55%
- National Board of Accreditation (Term-1: 2019-2022; Term-2: 2022-2025)
- AICTE-MODROB Funding for Cybersecurity in Power Systems
- Best Student Project under Karnataka State Council for Science and Technology(KSCST) for 3 Consecutive Years
- Financial Assistance for student Projects by VTU and KSCST.
- Results are 98% and above in all the Six Batches
- Inter Institute Project Winners, Toycathon semifinalists, IIC-MHRD proposal, IICDC-DST participation etc.
- University level sports representation with gold medal.
- Average Placement: 70 % and above (Last 3 Years)
- Our Alumni are entrepreneurs owning companies like FLARE LED, Madhu Electricals, Eagle Electricals, Manswi Infotech, nclues etc
- Alumni are working in premier MNCs like Oracle, IBM, Infosys, L&T, SIEMENS, JP Morgan etc and in government sector as Junior Engineers.

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	Mr. Praveen Kumar M	M.Tech (Ph.D)	Assistant Professor
6	Mrs. Lakshmi K	M.Tech (Ph.D)	Assistant Professor
7	Mr. Vinod Kumar P	M.Tech (Ph.D)	Assistant Professor
8	Mr. Shreeshayana R	M.Tech (Ph.D)	Assistant Professor
9	Mr. Mohan M	M.Tech	Assistant Professor
10	Ms. Swapna H	M.Tech	Assistant Professor
11	Ms. Maria Sushma S	M.Tech	Assistant Professor
12	Mrs. Sowmyashree K S	M.Tech	Assistant Professor
13	Mrs. Priyadarshini N J	M.Tech	Assistant Professor
14	Mrs. Kavyashree S	M.Tech	Assistant Professor
15	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 M	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

Memorandum of Understanding (MOU) With Xponential orbit Shifters (XORBISS), Bengaluru

ATME College of Engineering, Mysuru and Xponential orbit Shifters (XORBISS), Bengaluru, signed a Memorandum of Understanding (MOU) on 19th January 2023.

The objective of MoU is to make students competent enough to take on real time application work in the field of cyber security in power systems, this is intended to support students for good and greater job opportunities and also to reduce the gap between Industries and Engineering Institution.

The institution has been funded by AICTE-MODROB to Set Up Cybersecurity in The Power Systems Lab.



From Left: Mrs. Shakunthala C, Associate Professor, Dr. Yathisha L, Dean-Student Affairs, Dr. Parthasarathy L, Head, Department of EEE, Dr. L Basavaraj, Principal, ATME College of Engineering, Mr. Saravanan Sundaramurthy, CEO and Founder, Xponential orbit Shifters(XORBISS), Mr. Shreeshayana R, Assistant Professor Department of EEE.

Domain Specific Technical Training on Industrial Automation conducted by Vidyut Automation, Mysuru

The hands-on training on Industrial Automation Level-1 for 28 students of 5th semester was provided for a period of a 7 weeks in premises of Department of Electrical & Electronics Engineering, ATMECE, Academic Year: 2022-23. Domain Specific Training was conducted by Mr. Shashikiran M, Managing Director, Vidyut Automation, Mysuru using their own training modules/accessories.

DST Technical Training Conduction, Resource Person Mr. Shashikiran M during the session with students



NAAC PEER TEAM VISIT 8th and 9th November 2022

National Assessment and Accreditation Council (NAAC) Peer Team member interacting with the student on their Innovation Project



NAAC Peer member Prof. R P Maheshwari visit to Project Lab of EEE Dept.



Prof. R P Maheshwari interacting with students during Project demonstration

Technical talk on 'Embedded System design & IoT'

Department of Electrical and Electronics conducted a technical talk on “Embedded System design & IoT” on 21/11/2022. Resource person Mr. Subash A. Sr. Automation Engineer, Innovaskill Technologies Private Technologies, Bangalore, addressed final year students regarding importance of IoT Embedded System in any industries for today's world. Mr. Subash A. having rich experience in industrial automation delivered lecture on History of IoT, embedded system in IoT, Types of IoT embedded systems, difference between IoT and embedded systems, The significance of embedded systems in IoT, Examples of non-IoT embedded system devices, The role of embedded system in IoT, IoT computing devices, popular types of IoT embedded system devices such as POS terminals, Vending machines, Ticket scanners, Hardware for an IoT embedded system, Software for an IoT embedded system, Advantages of using Android for an embedded system for IoT, Installation , configure, The Students were able to know Basic & advance knowledge of Embedded system design using IOT, He talked about the rising needs of the IoT Embedded System industries and the skills required for IoT Embedded System career, Around 50 students of 7th Semester from our department attended this technical talk along with faculty members.



Technical talk on 'Electrical Switchgear & Applications'

Department of Electrical and Electronics conducted a technical talk on “Electrical Switchgear & Applications” on 04/01/2023. Resource person Mr. Shivanand. Managing Director, dbson Universal Power Controls, Tumkur, addressed final year students regarding importance of Contactors & control gears, Protective Relays, Breakers, Protective Instruments, components of Switchgears & their Applications, Cables Accessories, Applications Automation & Installations, Ingress Protection, Selection of Wires, cables, Variable Frequency Drive, DOL Starter, Forward Reverse Starter, Slipping Starter, Fully automatic star-delta starter, DG Interlocking, corrections of power factor, Reactive Maintenance, Preventive Maintenance, Predictive Maintenance, Thermo Graphic Analysis. Around 50 students of 7th Semester from department attended this technical talk along with faculty members.



“Awareness Session on Cybersecurity at ATME College of Engineering, Mysuru”

The Department of Electrical and Electronics Engineering, ATME College of Engineering, Mysuru organized a Technical Talk on Awareness Session on Cybersecurity for Third Semester students of the institution on 19.01.2023 on campus premises.

Mr. Derick Jose, Co-Founder & Chief Product Officer, Flutura Decision Sciences & Analytics, Houston Texas Area was the resource person. Mr. Saravanan Sundaramurthy, CEO and Founder, Xorbit Shifters, Bengaluru was the guest of honour.

Program Coordinator, Dr. Parthasarathy L, Professor and HoD, Department of Electrical and Electronics Engineering spoke on the need for cybersecurity. He said the institution has been funded by AICTE - MODROB To Set Up Cybersecurity In The Power Systems Lab. He further gave insight on the internship opportunity for students which is jointly set up in consultation with Xorbit Shifters, Bengaluru, and IISC, Bengaluru.



Resource Person, Mr. Derick Jose, started the session by giving insight on Stuxnet, which targets supervisory control and data acquisition systems and is believed to be responsible for causing substantial damage to Iran's nuclear program. He spoke about the Saudi Aramcyber-attack where the malware was used to target the Saudi government by causing destruction to the state-owned national oil company Saudi Aramco. He gave examples of how Chinese hackers target the Indian power grid. Further, the union government had announced spending 515 crores on cybersecurity. He explained about Spot which is an agile mobile robot that navigates the terrain with unprecedented mobility, allowing it to automate routine inspection tasks and data capture safely, accurately, and frequently. Further, he explained about BlackEnergy which is a malware toolkit that has been used by both criminal and APT actors.

He gave insights about InfraGard, to prevent hostile acts against the U.S. Computer Emergency Response Team(CERT), which is the national nodal agency for responding to computer security incidents as and when they occur. He spoke in detail about the Cybersecurity strategies i.e Grid Attack detection, Grid attack Prevention, Grid Incident response, Grid Threat modeling,

He concluded the session by speaking about the 7S of Physical forensic investigation, AI for Grid cybersecurity, Thermal AI pipelines, Drone AI, Grid vectors, snort attack detection, and potential opportunities for students. Post session questionnaire was held where faculty and students interacted with the resource person.

Ms. Ketaki, Project Engineer and Mr. Subramanya Yogish, Programmer from Xponential Orbit Shifters and Flutura were the resource persons.

The Hands-on sessions were conducted, during which the team explored the importance of various tools under Engineer's Workbench (EWB).. Each tool was explained with Real-time data. The team explained Sensor data hygiene, Transform/Derive new signals, Detect Anomaly in high-frequency time series data, High-frequency data visualization, Discover Relationships, Data Hygiene Management, Data Analytics, Data check quality etc,. The various visualization tools were also explored hands-on: Time series chart, Signal heat map, Auto cluster Observation, etc.



The team presented the case study on data analytics on Gujarat Bottle manufacturing Compressor's performance and the Carbon-di-oxide (CO2) recovery plant case study. Also, the team explored ATMECE real-time Energy meter data and showed the importance of data analytics on it.

Project Sponsorship Approved in 46th Series of Student Project Program

Project Sponsorship Approved in 46th Series of Student Project Program, 2022-2023 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
46S_BE_3091	Development of Ergonomic Affordable Prosthetic Arm for Transradial Amputees	Electrical and Electronics Engineering	Mr. Shreeshayana R Dr. Parthasarathy L	Mohammed Ismail Mohammed Ashfaq Mohammed Syed Yakoob Noor Kamil	Rs.7,000
46S_BE_3115	Design and Fabrication of Solar Powered Portable Medical Refrigerator for Remote and Rural Areas Using Peltier Effect	Electrical and Electronics Engineering	Mrs.Sowmyashree KS Dr. Parthasarathy L	Sampath Kumar G Chanakya T S Pallavi K Prajwal	Rs.7,000

Best project Award in IEEE YESIST12 2023 international innovation project challenge at NMIT, Bengaluru, third place at state level technical fest Avagamah-2023- Project exhibition, ATMECE, first prize in GMITEEE Project EXPO 2023 at GMIT, Mandya, Second Prize in AvEEEshkar 2023 at VVIET, Mysuru.



Received Cash Prize for Best Project at IEEE YESIST12 2023 from NMIT,

Project Title: Portable ventilator for Critical Healthcare Applications

About Project: The principle objective of this project is Artificial breathing at a low cost. It observes Spo2 level, breath rate and air pressure. The proposed emergency ventilator is just a small version of the commercial ventilator that assists in breathing for patients suffering from breathing problems. These ventilators are for patients who require assistance with breathing due to lung disorders, and old age respiratory problems.

The team comprised of Meghana M, Shashank S, Jeevan S Prasanna from 8th Sem of Electrical & Electronics Engineering under the Guidance of Dr. Shakunthala C.



Received Cash Prize for 3rd Best Project at Avagamah-2023 from ATMECE, Mysuru



Received Cash Prize for 2nd Best Project in AvEEEshkar 2023 from VVIET, Mysuru

The Students of ATME College of Engineering, Department of Electrical & Electronics have Bagged second place in the state level Project Competition – VriddhEEE.

Project Competition was organized by Vidyavardhaka College of Engineering, Mysuru on 28th April 2023. More that 50 Teams have participated among the above, Team from ATMECE have secured Second place and received cash incentives of Rs. 1,000. Project is carried by Mr. Chandan M, Mr. Tushar P V, Mr. Chandankumar B V and Ms. Sukruthi S under the Guidance of Ms. Swapna H, Assistant Professor, Dept. of EEE. Management, Principal, HoD and Staff congratulated and appreciated their efforts.



Students receiving Award at VriddhEEE 2023 of Vidyavardhaka College of Engineering, Mysuru

Project Title: Smart Agriculture Farming Using Aeroponics System

The project aims to develop an automatic temperature and Humidity regulating device with Aeroponic system set up suitable for Saffron farming by maintaining a suitable environment inside the medium. It is an effective and efficient way of growing plants with little amount of water without soil or media.

Visit to Indian Institute of Science, Bengaluru

The VIII Students of Department of Electrical & Electronics, ATMECE, visited Open Day at Indian Institute of Science (IISc) on 04th March 2023. The students were accompanied by faculty Ms. Swapna H, Assistant Professor Dept. of EEE, ATMECE for IISc Labs.

The IISc Institute was established in 1909 due to the far-sighted vision of philanthropist and industrialist Jamsetji N Tata, whose birth anniversary falls on 3 March, and is celebrated as Founder's Day. It is in conjunction with these dates that the Institute organizes Open Day every year, and throws its doors open to the public, inviting them to experience its research activities and facilities first-hand.

The event aimed to provide an opportunity for students to explore various departments, interact with and gain insights into the cutting-edge research being conducted at IISc. The students had the opportunity to visit various departments of Engineering, Physics and Chemistry. Each department had arranged interactive displays, demonstrations, and presentations to engage the students. Some of the project demonstrations visited by the students are:

AEROSPACE ENGINEERING (AE)

Mobile Robotics Laboratory which had Turbulent Shear Flow Physics and Engineering Laboratory (TSFPEL), Laboratory for shockwave and hypersonic research (LSHR) (Live demo of Reddy tube, Schlieren visualization, supersonic jets, wake flow around streamlined bodies) Health Monitoring of Aerospace Structures using Acoustic Wave Propagation.

ELECTRICAL ENGINEERING (EE)

Students Visited to Language Engineering and Processing lab, Signal Processing Interpretation and Representation (SPIRE) lab and digital signal processing where some demonstrations on Indian Sign Language, AI vs Human, RPS Game, Non-Contact Measurement and Control System related demos on Reinforcement Learning Aided were demonstrated. Efficient and Distributed Planning for Multi-Agent Systems, High Voltage Lab demonstration on Magnetic levitation was explained by Research scholars.

DEPARTMENT OF PHYSICS

Department has Exhibited Helium balloon, Sun Observations [Telescope], Demonstration of angular momentum using a rotatable chair on a wooden plank etc.

The IISc Open Day was an effective initiative which inspired students to pursue higher education and to orient towards research.



Social Connect and Responsibility Activity

II Year Students of Department of Electrical & Electronics Engineering visited to Chennakeshava Temple, Somanathapura, Karnataka on 28-12-2022, The visit was intended to Provide a formal platform for students to communicate and connect with their surroundings, enable to create of a responsible connection with society.



Bangalore Tech Summit 2022 Exhibition visit

Pre Final Year Students of Department of Electrical & Electronics Engineering visited to Bangalore Technology Summit 2022 Exhibition on 17-November-2022 at Bangalore Palace.

The 25th edition of Bengaluru Technology Summit, the three-day annual tech exposition hosted by the Karnataka government, the event organized by the department of IT/BT in association with Software Technology Parks of India (STPI).

The team comprised of Omkar BN, Ashith S Gowda, Arun V, Raehan Ahmed, MD Rayyan Shariff from 5th Sem of Department of Electrical & Electronics Engineering.



Mysuru-The Big Tech Show 5K WALKATHON 2022

Pre Final Year Students of Department of Electrical & Electronics Engineering visited to Mysuru-The Big Tech Show 2022 Exhibition on 20-October-2022 at Mysore.

Karnataka Digital Economy Mission (KDEM), KTECH and Karnataka Skill Development Corporation, an initiative of Government of Karnataka, has organised a two-day second edition of the Big Tech Show-2022 in city to showcase the progress achieved by the technology industry of Mysuru, which is being projected as the new global hub for cyber security and semiconductor industry including Electronics System Design and Manufacturing (ESDM).



Big Tech Show 2022 featured a host of events including startup showcase, connecting startups with investors, Women@Work conclave, a programme in which women leaders in industry, academics and social entrepreneurship will share their ideas and experiences to a larger audience of women

The team comprised of Faeza Taskeen, Shashikala K S, Lavanya G K, Pavan Kumar S, Ponnanna C P, Nikhil H N from 5th Sem of Department of Electrical & Electronics Engineering Visited Mysuru-The Big Tech Show 2022 and Joined 5K WALKATHON 2022 which aims to bring together a large number of participants from the IT industry in Mysuru, walkathon for about five kilometres starting from Mysore Palace.

“State level Technical fest AVAGAMAHA”

The Department of Electrical and Electronics Engineering, ATME College of Engineering, Mysuru had organized an “State level Technical fest AVAGAMAHA” under the Department Association with 'Quantum' in its campus premises on 08th May 2023.

It was a platform for exhibiting students' technical ability and creating awareness about the latest research and inventions in the stream of Electrical & Electronics Engineering and Electronics & Communication Engineering.

Dr. Shamala N, Professor & Head, Department of Electrical and Electronics Engineering, VVIET, Mysuru, Dr. Lokesh N, Assistant Professor, Department of Electrical and Electronics Engineering, NIEIT, Mysuru, Mr. Shreeshayana R Assistant Professor, Department of Electrical and Electronics Engineering, ATMECE,

Mysuru and Dr. Prakash Kuravatti, Associate Professor, Department of Electronics and Communication, ATMECE, Mysuru, were the juries.

Technical Project Expo was held online and offline as part of the Fest. Capstone projects from various parts of the State were exhibited.

The offline winner's list is as follows. The project titled Mitigation of Voltage Sag, Slew, and Harmonics using UPQC presented by Chandra Mohan S, Trupthi E Gowda, Vaibhav Surendra, Yashas M and Raghunandan D R Dept. of EEE, JSSSTU, Mysuru bagged 1st place. EV Mithra presented by Kumar Gowda K and Abdulla Danish, VVIET, Mysuru bagged 2nd place, Portable Ventilator for Critical Health Care Application presented by Meghana M, Jeevan S, Shashank S and Prasanna, ATMECE, Mysuru bagged 3rd place and Aqua Quality Surveillance Boat presented by Charan M, Sharada S, Suman P and Yashas E S, VVIET, Mysuru bagged consolation prize.

The online winner's list is as follows. The project titled Low-cost E-Rickshaw for Rural Application presented by Rakesh V, Sridhar B, Kowhtubha M, and Rohan Gowda R, DBIT, Bengaluru bagged 1st place. IOT-Based System to Control Household Appliances and Monitor its Energy Consumption presented by Md. Mohseen S, Mohammed Sohail, Rushmitha Sai P and Peshumam E, BITM, Ballari, bagged 2nd place, A Multi-purpose drone for drugs distribution, sanitization and to provide COVID-19 Awareness presented by Shivaraj M S, Varshitha B and Roja N, GMIT, Mandya bagged 3rd place and Real-Time Face Mask Detection and Monitoring system RFMDM, presented by K B Pavan, Aparna N and K Bhaumik, NMIT, Bangalore bagged consolation prize.

Cash prizes and certificates were distributed to winners. Dr. L. Parthasarathy, HoD, Electrical and Electronics Engineering, M. Praveen Kumar, Mr. Shreeshayana R, Event Coordinators, faculty, and students were present.

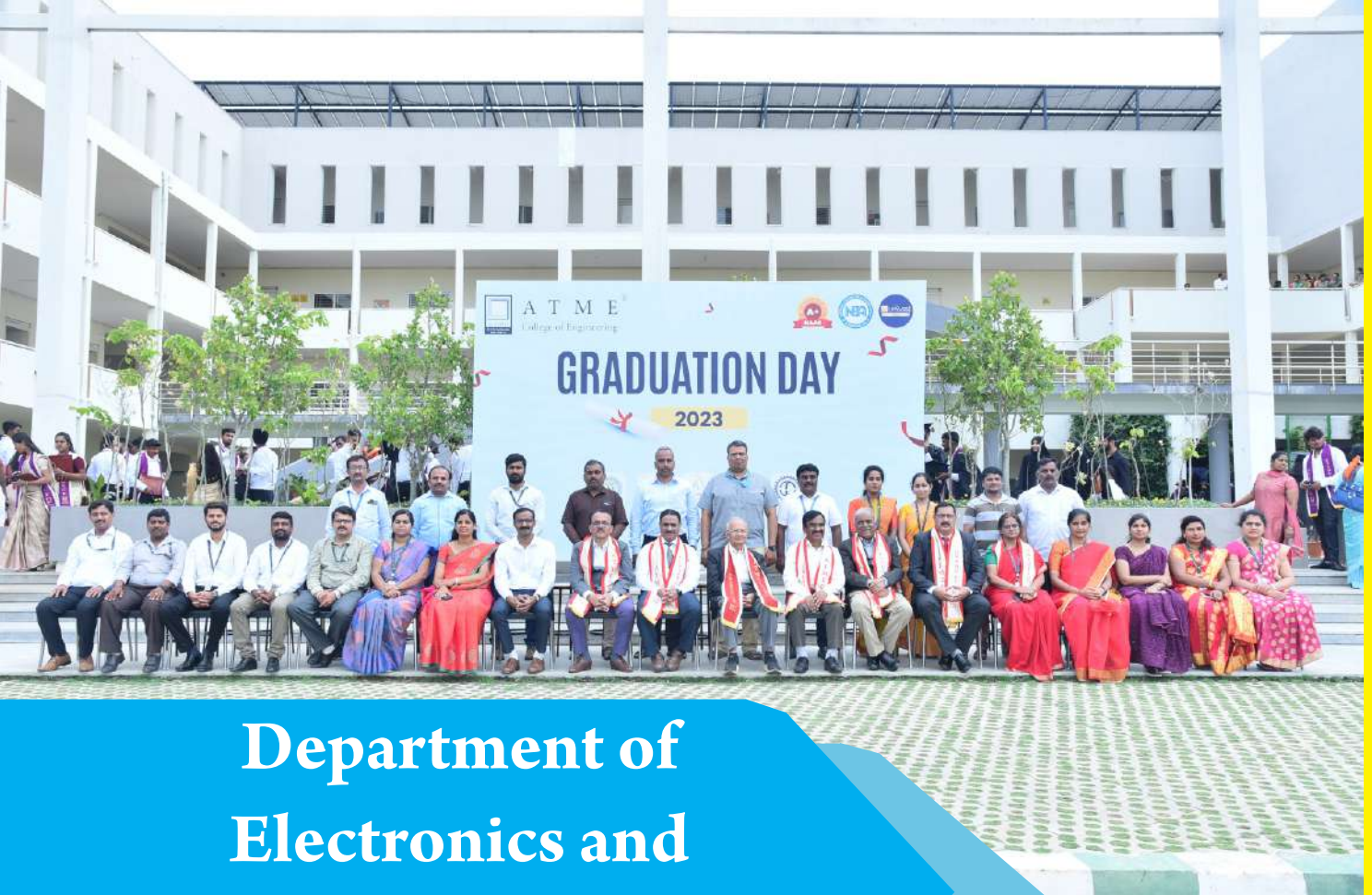


Group Photo-8th Semester, 2019-2023 Batch



Academic Toppers for the year 2022-23





Department of Electronics and Communication Engineering

VISION of the Department:

To develop highly skilled and globally competent professionals in the field of Electronics and Communication Engineering to meet industrial and social requirements with ethical responsibility.

MISSION of the Department:

- To provide State-of-art technical education in Electronics and Communication at undergraduate and postgraduate levels, to meet the needs of the profession and society, and achieve excellence in teaching-learning and research.
- To develop talented and committed human resources, by providing an opportunity for innovation, creativity, and entrepreneurial leadership with high standards of professional ethics, transparency, and accountability.
- To function collaboratively with technical Institutes/Universities/Industries, offer opportunities for interaction among faculty-students, and promote networking with alumni, industries, and other stakeholders.

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. Department feathered with 13 Patents; 1 Copyright & 3 Text Books published.

Staff Achievements

- Mr. Chandra Shekar P, Delivered a talk on the topic “5G Technology” and “Current Trends of Technology” at On-AIR AKASHVANI, Mysore on the topic “5G Technology” and “Current Trends of Technology”.
- Mr. Chandra Shekar P, awarded for exceptional contribution as a Pre-Screening Evaluator in Smart India Hackathon – 2022
- Dr. Prakash Kuravatti awarded for publishing the text book entitled “SIGNALS AND SYSTEMS”.
- Dr. Shalini Hanok awarded Ph. D for the title “Decision Fusion Techniques for enhanced privacy and security for robust online social network” from JSSS & T University.
- Dr. Pavithra A C awarded Ph. D for the title “Optimal feedback controllers for the performance enhancement of aircraft roll yaw and pitch control” from VTU.
- Chandra Shekar P published a paper on “ Machine Learning Algorithms for Identifying Fake Currencies” in SN Computer Science (SCOPUS) volume 4, Article number: 368 (2023) on 29/April/2023.
- The following faculties have successfully completed National Initiative for Technical Teachers Training (NITTT) courses. It is a Scheme initiated by AICTE and MoE to provide training for teachers working in AICTE approved Technical Institutions. An Inductee Teacher has to undergo online training of eight modules in the first phase of training.
 - ✦ Mr. Guruprasad N
 - ✦ Mr. Pradeep Kumar Y
 - ✦ Mrs. Keerthi A Kumbar
 - ✦ Mrs. Juslin F

Department Activities

- Department organized a technical talk on “Technical Talk -Advances in VLSI” for all 5thsemester students on 5-5-2022 at ATMECE, Mysuru.
- Department organized workshop on “PCB Assembly and Soldering process with simulation of circuits using EDA tools ” for all 3rd semester students from 15-02-2023 to 17-02-2023 at ATMECE, Mysuru.
- Department has organized a FDP on “5-Day FDP On " 5G/6G Technologies for Wireless Systems “ for the faculty members from ECE/EEE/CSE Dept., Ph. D. Scholars and PG Students from AICTE approved Technical Institutions from 27-03-2023 to 31-03-2023 at ATMECE, Mysuru.
- Department has organized one day zonal level Project Exhibition competition “ProjectXpo-2K23” in association with Alumni Association & ISF for ECE/EEE students on 22-05-2023 at ATMECE, Mysuru.
- Department has organized a technical talk on “Technical Talk on Semiconductor Design” for 4th semester students on 10-06-2023 at ATMECE, Mysuru.
- Department has organized a technical talk on “Technical Talk on Demystifying Role of AI in Diagnostic Imaging” for 4thsemester students on 26-08-2023 at ATMECE, Mysuru.
- Department has organized Industrial Visit to U R Rao Satellite Centre (URSC), Bengaluru (Formerly known as ISRO Satellite Centre (ISAC) for 7th semester students on 20-09-2023. Dr. PrakashKuravatti, Asso. Professor, Mr. Pradeep Kumar Y, Asst. Professor, Mrs. Keerthi A Kumbar, Asst. Professor, Ms. AnupamaShetter, Asst. Professor, Dept. of ECE coordinated the students. The students were allowed to visit the space exhibition comprising of a display of satellite systems, scaled models of satellites and allied information on satellite technologies.

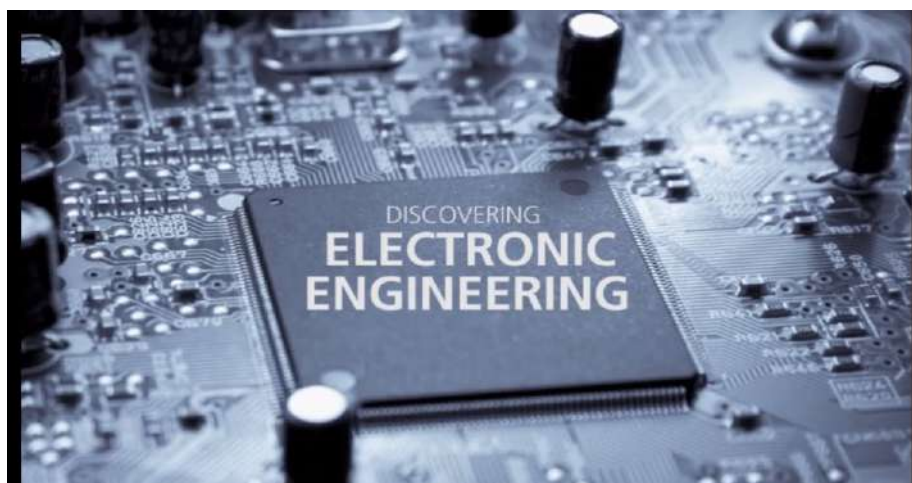


Students Achievements

Grants Received For Students Projects

Name of the Project	Name of the students	Name of the Guide	Amount Sanctioned in Rs.	Name of the Funding Agency
Detection and Surveillance of UAV based on RF and Radar Technology	HARSHA M (4AD19EC024) HIBA MAHIN (4AD19EC028) RAJAT NARAYAN HEGDE(4AD19EC064) ROHITH KUMAR K(4AD19EC068)	Mrs.KeerthiKumbar Ms.Ms.AnupamaShette r	6000/-	Karnataka State Council for Science and Technology (KSCST)
Solar panel Cleaning Robot	NIJAGUNASWAMY B S (4AD19EC045) MAHADEVAPRASAD G S (4AD19EC035) PRAJWAL C (4AD19EC055) R V CHANDAN (4AD19EC061)	Mr.Guruprasad Mrs.Harshitha N	6000/-	Karnataka State Council for Science and Technology (KSCST)

- Mr. Sheetal K Atreya, 2018-2022 Batch, has secured 8th Rank in Visvesvaraya Technological University (VTU) during 22nd VTU Convocation.
- 15 students of 3rd semester attended Bengaluru Tech Summit- 2022, organized by State's Department of Electronics, IT, Biotechnology and Science & Technology and co-hosted by the Software Technology Park of India (STPI) at Bengaluru on 17-11-2022.
- Tejashkumar N, Chaitra B, Bhavanashree N and Harshitha R M participated in the INDIA's No. 1 IOT show held at KTPO, Whitefield for 3 days from 23-11-2022 to 25-11-2023.
- Manosh Chandu, Kavyashree N and Jenisha Oshald'souza of 3rd semester participated in the UNLEASH India 2022- International event in INFOSYS from 3-12-2022 to 10-12-2022.
- Manoj Kumar M, Vyshak Gowda M R, Darshan S Y, Chandan M M participated in the 7th National level project competition " IEEE Project EXPO – 2023" presented project work entitled "Ambulance rescuing system using RF Technology" under the Guidance of Dr. Prakash Kuravatti and secured 2nd Prize at GSSSIETW, Mysuru on 05-05-2023.



List of FDPs/STTP/Workshops attended

Sl. No	Name of the Faculty	Details of Courses attended (Title of the Course, Organizer Name and Place)	Starting Date	End Date	Duration
1	Mr. Chandra Shekar P	Anudaksh Training cum Internship Program In Machine Learning and Edge AI	22/7/2022	24/7/2022	2 days
2		FREE Webinar on Image Classification using Edge Impulse (An application of IoT and Machine Learning)	03/07/2022	-	1 day
3	Ms. AnupamaShetter	Machine Learning for data science using Python	16/07/2022	30/07/2022	15 day
4	Mrs. Juslin F				
5	Mr. Girish M	Latest Trends in VLSI Device, Circuits and Tools	19/9/2022	24/9/2022	6 days
6	Mr. Manjunath				
7	Mr. Guruprasad K N	Recent Trends in Deep Learning	01/07/2022	07/07/2022	5 Days
8	Mr. Pradeep Kumar Y				
9	Ms. AnupamaShetter				
10	Mrs. Juslin F				
11	Mrs. KeerthiKumbar				
12	Mrs. Keerthi A Kumbar	1 Day FDP on "EWB Training on Data Analytics Operations" in Association with Xponential Orbit Shifters, Bangalore held at Dept. of EEE, ATMECE, Mysuru (offline)	10-03-2023	-	1 day
13	Mrs. Chethana K S				
14	Mrs. Nandini G S				
15	Ms. Navya N				

16	Mr. Chandra Shekar P	5-day FDP-SI on			
17	Mrs. Nandini G S	“Universal Human Values – 2023”, by AICTE Incorporating Universal Human Values in Education (online)	20-02-2023	24-02-2023	5 Days
18	Dr. Shalini Hanok	Research Proposal Writing, Indian Knowledge System (IKS), Ministry of Education. Gov. of India ICMR NIN Animal facility, Hyderabad			
19	Mrs. Keerthi A Kumbar	Attended Open Day @ IISC Bengaluru (Offline)	04-03-2023	-	1 day
20	Ms. Anupama Shetter				
21	Mr. Pradeep Kumar Y				
22	Mr. Guruprasad K N				
23	Mr. Abhilash G.	5 days short term course on hands on training in “VLSI and Communication Modelling.” Dr. B R Ambedkar National Institute of Technology, Jalandhar, Panjab (online)	06-03-2023	10-03-2023	5 days
24	Mrs. Chethana K S				
25	Mr. Chandra Shekar P	AICTE Training And Learning (ATAL) Academy Blended/Hybrid FDP on "Analog and Digital Design Flow for VLSI Chip Application" at GM Institute of Technology, Davangere.	20-02-2023	25-02-2023	6 days (Online)
26			27-02-2023	03-03-2023	5 days (Offline)

27		5-day FDP-SI UHV Online- AICTE Incorporating Universal Human Values in Education (An AICTE Initiative)	20/02/2023	24/02/2023	5Days
28	Mrs. Chethana K S	VLSI &Comm Modeling organized by Dept. of ECE, Dr. B R Ambedkar, NIT, Jalandar	06/03/2023	10/03/2023	5Days
29	Mr. Abhilash G				
30	Ms. AnupamaShetter	Medical Device Design by Department of Design, Indian Institute of Technology, Roorkee	12/05/2023	23/05/2023	12 days
31	Mr. Pradeep Kumar Y	IEEE Third International Conference on “Technology, Engineering, Management for Societal impact using Marketing, Entrepreneurship and Talent” organized by VidyaVikas Institute of Engineering & Technology, Mysuru	10-02-2023	11-02-2023	2 days
32	Mr. Guruprasad K N				
33	Mr. Chandrashekar P				
34	Mr. Manjunath K				
35	Mr. Girish M				
36	Mr. Chandra Shekar P	VLSI to System Design: Silicon to End Application Approach	31-07-2023	04-08-2023	5 days
37	Mrs. Chethana K S				
38	Mr. Abhinandan V				

Academic Toppers for the year 2022-23







The fantastic advances in the field
of electronic communication
constitute a greater danger to the
privacy of the individual.

— Earl Warren —

AZ QUOTES





Department of Mechanical Engineering

About the Department

The field of mechanical engineering is incredibly diverse and fundamental to numerous industries. It deals with the design, analysis, manufacturing, and maintenance of mechanical systems.

The Department was established in 2010 with an intake of 60 students and the 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 to foster the growth of students.



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

Vision of the Department

To impart excellent technical education in mechanical engineering to develop technically competent, morally upright and socially responsible mechanical engineering professionals.

Mission of the Department

- To provide an ambience which impart excellent technical education in Mechanical Engineering.
- To enable the students to acquire skill development, knowledge of Research and recent trends in mechanical engineering which will engage them in lifelong learning.
- To engage students in co-curricular and extra-curricular activities to impart social & ethical values and imbibe leadership quality.

KEY MILESTONES

- National Board of Accreditation (Term-1: 2019-2022; Term-2: 2022-2025)
- Best Student Project under Karnataka State Council for Science and Technology(KSCST) for academic year 2016-17
- Financial Assistance for student Projects by VTU and KSCST.
- Inter Institute Project Winners, IICDC-DST participation etc.
- University level sports representation in various sports like Cricket, handball, softball & Kick boxing etc.
- Our Alumni are entrepreneurs owning companies like ATEU software's, Electripetal technologies etc..
- Alumni are working in premier MNCs like Oracle, IBM, Infosys, L&T, SIEMENS, JP Morgan etc and in government sector as Junior Engineers.

Faculty List

Sl.No.	Name	Qualification	Designation
1	Dr. Anatha Keshava Murthy	Ph.D	Principal and Professor
2	Dr. M S Govindgowda	Ph.D	Professor and Dean Academics
3	Dr.Chethan S	Ph.D	Assistant Professor and Head
4	Dr. Srinivasa K	Ph.D	Professor
5	Mr. Ravikumar S	M Sc. (Engineering)	Associate Professor
6	Mr. Devaraj MR	M.Tech(Ph.D)	Assistant Professor
7	Dr.Mohanakumara K C	Ph.D	Assistant Professor
8	Mr. Raghu	M.Tech(Ph.D)	Assistant Professor
9	Mr. Niranjana Kumar VS	M.Tech(Ph.D)	Assistant Professor
10	Mr. Rohith S	M.Tech	Assistant Professor
11	Mr. Karthik Kumar M	M.Tech	Assistant Professor
12	Mr. Hemanth B R	M.Tech	Assistant Professor
13	Mr. Anilkumar K	M.Tech	Assistant Professor
14	Dr. Chetana S	Ph.D	Assistant Professor

Technical Staff List

Sl.No.	Name	Qualification	Designation
1	Mr. Madesha S	DME	Foreman
2	Mr. Ravikumara M P	DMR	Instructor
3	Mr. Ravi K K	ITI	Asst. Instructor
4	Mr. Chidambara H C	ITI	Asst. Instructor
5	Mr. Patela T M	DME	Asst. Instructor
6	Mr. Nandeesh	DME	Asst. Instructor
7	Mr. Pradeep Kumar K B	ITI	Mechanic

Supporting Staff List

Sl.No.	Name	Designation
1	Mr. Anil Kumar MD	Attender
2	Mr. Puneeth Kumar YM	Attender
3	Mr. Lohitkumar MC	Attender

Department has Memorandum of Understanding (MOU)

A Memorandum of Understanding (MOU) between engineering colleges and industries establishes a framework for collaboration, typically aiming to bridge the gap between academia and industry. This partnership benefits both parties by fostering a symbiotic relationship, facilitating knowledge exchange, skill development, and practical application of theoretical concepts.



MoU with Toyota Kirloskar Motors



MOU with GTTC, Mysuru



MOU with Hindustan Springs & Lakshmi Springs

Domain Specific Technical Training on Essentials for NX Designers

Government Tool Room and Training Centre (GTTC), Mysore has conducted the training for 4th and 6th semester students under domain specific training in the field of Design Essentials for NX Designers. These students had completed the Stage-1 training in the Design field.



Technical Talk on “Future Business opportunities on creating wealth from Bio-waste through Entrepreneurship”

Department of Mechanical Engineering in association with Civil Engineering organized a technical talk on “Future Business opportunities on creating wealth from Bio-waste through Entrepreneurship” on 17th January 2023 for 3rd & 5th semester students of Mechanical & Civil Engineering Department with an objective of enriching the knowledge on waste management based on biomass energy and business opportunities in the future career.

Dr. Govinde Gowda M S, Professor Dept. of Mechanical Engineering and Dr. Suneeth Kmar S M, Professor Dept. of Civil Engineering addressed the students and suggested to make utilize of the said topic and adopt the same for the betterment of the society.



YANTRIX 2023

Yantrix project exhibition is an event where individuals or groups showcase their project works to an audience. The purpose of a mechanical project exhibition is to share ideas, inspire creativity, and promote learning. Participants are students from ATME and outside participants.

During the exhibition, visitors can interact with the participants and ask questions about their mechanical projects. Judges or a panel of experts may also be present to evaluate the projects and award prizes or recognition to outstanding entries.



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

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.



Session and discussion on Fusion 360

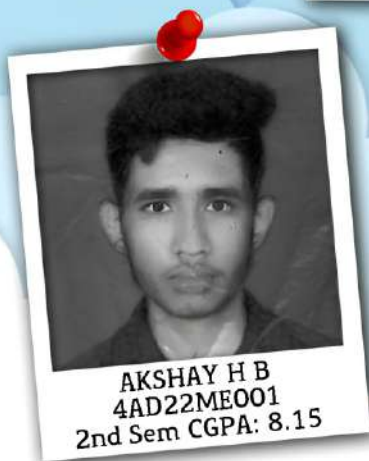
Project Sponsorship Approved in 46th Series of Student Project Program

Project Sponsorship Approved in 46th Series of Student Project Program, 2022-2023 of Karnataka State Council for Science and Technology (KSCST)

Proposal Reference No.	Project Title	Branch	Name of the Guide(S)	Name of The Student(S)	Amount Sanctioned
46S_BE_2272	Affordable Wheelchair Attachment E- Hand bike For Physically Challenged	ME	Dr.Chethan S Mr. Hemanth B R	Mr. HARSHA R Ms. CHAITHRA SHREE S M Mr. DUSHYANTH A K Mr. KUSHAL MALLIKARJUNA ACHARYA	Rs.7,000
46S_BE_2427	IOT Based Home Automation System	ME	Prof. Ravikumar S	Mr. AMAAN AFSAL Mr. CHANDRASHEKAR K S Mr. GOVINDRAJ G Ms. SHIVALI S	Rs.6,000
46S_BE_3155	Automatic Adjustment Of Side Mirrors Using Sensors Connected To Steering	ME	Prof. Rohith S Mr. Hemanth B R	Mr. HEMANTH R Mr. RAVI R Mr. MADAN V Mr. BHARATH T P	Rs.8000
46S_BE_2272	Affordable Wheelchair Attachment E- Hand bike For Physically Challenged	ME	Dr.Chethan S Mr. HEMANTH B R	Mr. HARSHA R Ms. CHAITHRA SHREE S M Mr. DUSHYANTH A K Mr. KUSHAL MALLIKARJUNA ACHARYA	Rs.7,000



Academic Toppers for the year 2022-23





THE LIBRARY
Is Calling
&
I MUST GO

Department of Library & Information Center

A library is a collection of materials, books or media that are accessible for use. A library provides physical (hard copies) or digital access (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.

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.

Program conducted by ATMECE Library & Information Centre

1. “Utilization of IEEE-E-Resources Awareness Program” on 20/07/2023 in ATMECE Mysuru.

Number of collections available in Library

Departments	Titles	Volumes
Department of Computer Science	690	4190
Department of Mechanical Engineering	626	3520
Department of Electronics & Communication	723	3671
Department of Electrical & Electronics	576	3014
Department of Civil Engineering	467	1970
Basic Science, Humanities & General Books	846	3613
DVD/CDs		1782
Journals & Magazines		72



BOOKS!

WE'RE IN A LIBRARY!

THE BEST
WEAPONS
IN THE
WORLD!

RUSSELL T. DAVIES

THE WORLD
belongs
to
THOSE WHO
read



Department of Career Guidance & Placement

ATMECE has an active Career Guidance and Placement (CGP) department which helps students in identifying their career goals and provides an edge to the present day competitive world. The CGP operates round the year to facilitate contacts between companies and graduates.

Department of Career Guidance and Placement (CGP) aims in directing students based on their interest and capabilities towards

- Civil Service examinations
- Service Selection Board
- Entrepreneurship
- Higher Education
- Placement.

CGP focuses on the career opportunities after their graduation. The placements for AY 2022 -23 witnessed a significant growth in number of companies, number of offers made and multiple job profiles for all branch students. The aim of CGP department is to have a kinship between the companies and the students to bridge the gap and ensure an efficacious, efficient and hassle-free process which ensures mutual benefits in terms of students being able to find the best proposition for themselves and the companies being able to acquire the

skill set and talent they seek in college fresher's.

Career Guidance and Placement department have a well-planned long term training from first year till final year along with constant evaluation and assessments. Continuous mentoring and feedback from our students is collected to improve the process of training.

Training road map:

Year	Awareness about Process of Placement	Communication Skills	Soft Skills	Technical Skills/Certification course	Aptitude	Pre-Placement training
I year	Yes	Faculties of ATMECE	No	C & C++ Higher Level Programming (for 50% students) by Faculties of ATMECE		
II year	Advisable		Yes (during 3rd semester) by Genesis, Bangalore	Domain Specific - based on student interest (during 4th semester by external vendor)	Yes (during 4th semester) by Faculties of ATMECE	
III year	Advisable			Domain Specific - based on student interest by external vendor	Faculties of ATMECE	
IV year	Advisable				Faculties of ATMECE	Genesis, Bangalore





Department of 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 recent research 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 2022-2023. 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 2022-23

- VTU was entrusted to host the VTU Intercollegiate Rest of Bengaluru Division, State Level Basketball Championship 2022–23 from December 06-09, 2022, and the VTU team coaching camp conducted in our college campus during the month of January 2023.
- Organized Engineering Colleges' Mysuru Region Inter Collegiate Kabaddi and Volleyball Championship at our college as a part of the ATMEYA event at our college campus from March 18th to 21st, 2023.
- The college staff cricket team secured Runner's-Up in the MITM Engineers Premier League 2022 staff and student tennis ball cricket championship 2022 organized by MIT, Mysuru, at its college campus from November 16th–18th, 2022.
- ATMECE Kabaddi team emerged as a winner in the Mysuru Region Engineering Colleges Inter Collegiate Kabaddi Championship 2023, organized by ATME College of Engineering, Mysuru, at its college campus on March 18, 2023.
- The volleyball men's team secured runner-up in the Mysuru Region Engineering Colleges Inter Collegiate Volleyball Championship 2023, organized by ATME College of Engineering, Mysuru, at its college campus on March 20th and 21st, 2023.
- The ATMECE Softball team secured Runner's-Up in the VTU Inter Collegiate Rest of B'lore Division Soft Ball Championship 2022–23, organized by SJMIT, Chitradurga, at its college campus on March 2nd and 3rd, 2023.
- The Soft Ball Men's Team secured 4th place in the VTU State Level Inter Collegiate Soft Ball Championship 2022–23, organized by SJMIT, Chitradurga, at its college campus on March 4, 2023.
- The Softball Women's Team secured Runner-Up in the VTU State Level Inter Collegiate Soft Ball Championship 2022–23, organized by SJMIT, Chitradurga, at its college campus on March 3, 2023.
- The Table Tennis Women's Team secured Runner's-Up in the VTU Inter Collegiate Mysuru Division Table Tennis Championship 2022–23, organized by VVCE, Mysuru, on November 3, 2023.
- ATMECE Baseball Women's team secured Runner's-Up in the VTU State Level Inter Collegiate Baseball Championship 2022–23 organized by DBIT, Bengaluru, at its college campus from January 4th–6th, 2023.
- ATMECE Baseball Men secured 2nd Runner's-Up in the VTU State Level Inter Collegiate Baseball Championship 2022–23, organized by DBIT, Bengaluru, at its college campus on January 2nd and 3rd, 2023.
- The Volleyball Men's Team secured Runner's-Up in the VTU Inter Collegiate Mysuru Division Volleyball Championship 2022–23, organized by MYCEM, Mysuru, at its college campus on November 17, 2023.
- The Softball Women's Team secured 2nd Runner-Up in the MCICT Inter Collegiate Softball Championship 2022–23, held at Sports Pavilion, Mysuru, on January 7, 2023.

- The Softball Men's Team secured 2nd Runner-Up in the MCICT Inter Collegiate Softball Championship 2022–23, held at the Sports Pavilion, Mysuru, on January 7, 2023.
- Lakshmi Priya T. U. of the Civil Department secured a gold medal in the 84+ kg category of the VTU State Level Women Power Lifting Championship 2022–23, organized by VVCE, Mysuru, on February 9, 2023, at its college campus.
- Smitha S. R. of the CS Department secured a bronze medal in the 84+ kg category of the VTU State Level Women Power Lifting Championship 2022–23, organized by VVCE, Mysuru, on February 9, 2023, at its college campus.
- Lokesh S. of the CS Department secured a bronze medal in the MCICT Karate Championship 2022–23, organized by Seshadripuram First Grade College, Mysuru, at its college campus.
- Harshith S of AIML department secured Silver medal (60kg Category) in the MCICT Best Physique Championship 2022-23, organized by JSS STU, Mysuru on 09th June 2023 at its college campus.
- Vagesh N P of 3rd year CSE bagged the Silver medal in Triple Jump at 24th VTU Inter-Collegiate Athletic meet held at VTU Campus, Belagavi.
- Vagesh N P of 3rd year CSE bagged the Bronze medal in 110mts Hurdles at 24th VTU Inter-Collegiate Athletic meet held at VTU Campus, Belagavi.

University Representation

Sl. No	Name of the Student	Year / Branch	Game	Remarks
01	Varshith S	4 th yr., ME	Kick Boxing	Second Time
02	Kushal U	2 nd yr., EC	Wushu	First Time
03	Harshitha N C	2 nd yr., CS	Softball	First Time
04	Reethu K M	4 th yr., EC	Softball	First Time
05	Nayana M V	1 st yr. CS	Softball	First Time
06	Lakshmi Priya T U	4 th yr., CV	Power Lifting	First Time
07	Yogashree D S	2 nd yr., AIML	Baseball	First Time
08	Nischitha B	2 nd yr., CS	Baseball	First Time
09	Pooja S Hebbar	2 nd yr., CS	Baseball	Second Time
10	Anusha R	2 nd yr., EC	Baseball	First Time
11	Delphina Jerusha	3 rd yr., EC	Basketball	First Time
12	Rohith Kumar K	4 th yr., EC	Baseball	First Time
13	Sumanth Uthappa B	4 th yr., CV	Baseball	First Time
14	Ravindra S Hundekar	4 th yr., EC	Softball	First Time
15	Bhuvan S	2 nd yr., CS	Softball	First Time
16	Ananth Kumar V	2 nd yr., CS	Softball	First Time

Sports Staff

Sl.No	Name	Designation	Email
1	Dr. Muralidhar MP	Director of Physical Education	mpmuralidhar7@gmail.com
2	Mr. Rahavendra MA	Grounds men	-



Athletics - Vagesh



Baseball 2nd Runner Up in VTU



Baseball Women Team Runners



Best Physique - 2023



Bronze Medal in Powerlifting



Gold Medal in Powerlifting



Kabaddi Winners in ATMEYA CUP



Mysuru Division Table Tennis Women Runners



Mysuru Division Volleyball Men Runners



Softball Runners in Blore Division



Softball Runners in VTU State Level



Staff Team Runner - 2

VTU Representation Students



Ananth Kumar V



Anusha R



Bhuvan S



Delphina Jerusha



Kushal U



Lakshmi Priya T U



Nayana M V



Nishitha B



Pooja S Hebbar



Ravindra S Hundekar



Reethu K M



Rohith Kumar K



Sumanth Uthappa B



Varshith S



Yogashree B S

Report on Orientation Program – 2022

ATME College of Engineering had organized orientation program 2022 on 1st December for all the new students of 2022-23 batch. Along with the students of the academic year 2022-23, parents were also invited for the program.

The main aim of the program is to bring awareness among parents and students about the college campus, College rules and regulations and VTU rules and regulations.

Chief Guest of the program was Dr. S R Niranjana who is former vice-chancellor of Gulbarga University and Distinguished Professor in Department of Studies in Biotechnology, University of Mysore.

Guest of Honor of the program are

1. Mr. Vinayak Hegde, Vice President & Global Delivery Head in Process Automation & Digital Supply, Infosys Limited.
2. Dr. Syed Shakeeb Ur Rahman, Executive Council Member, VTU, Belagavi

The program presided by

1. Sri. K Shivashankar, Honorable Secretary, ATMECE, Mysuru
2. Sri. R Veeresh, Honorable Treasurer, ATMECE, Mysuru
3. Dr. Basavaraj L, Principal, ATMECE, Mysuru.

The dignitaries addressed the gathering, and the students were enriched with the information about their career and opportunities that ATME provides them. In the same occasion Dr. M S Govinde Gowda gave brief information about rules and regulation of VTU and new scheme to students and parents.

The program was organized by Dr. Yathisha L who is Dean (Student Affairs), ATMECE, Mysuru along with all other coordinators. The program was successful as parents and students got most of the information from the dignitaries.

The orientation program witnessed about 1300 people (both students and their parents) and lunch was arranged for the stake holders



The program concluded with the information that all the students are supposed to attend the Student Induction program that is been organized from 02-12-2022 to 09-12-2022.

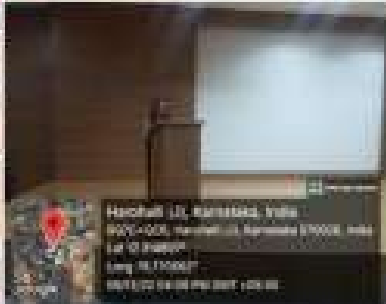
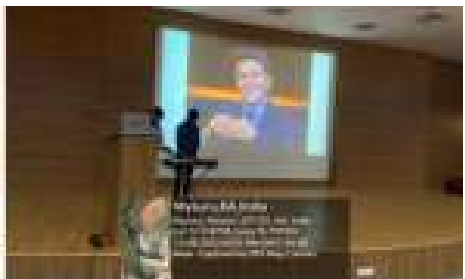
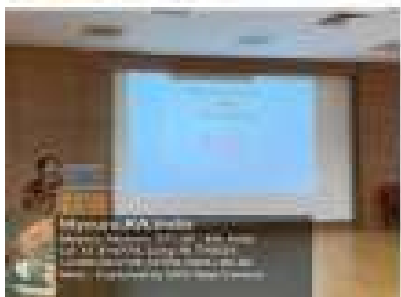
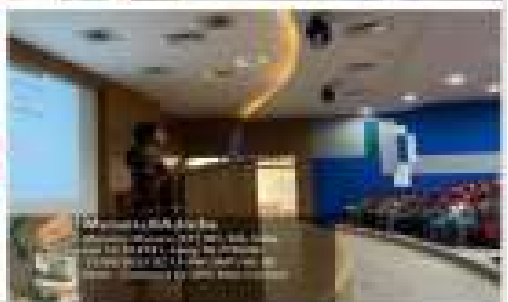
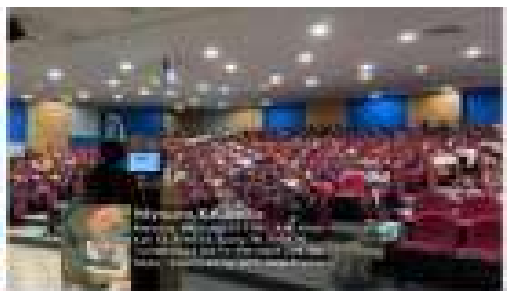
VTU Guidelines for Induction Program

Sl. No	Activities	Covered/Not Covered
1	Familiarization to Department/ Branch and Innovations	Covered
2	Physical Activity	Covered
3	Creative Arts	Covered
4	Universal Human Values	Covered
5	Literacy Activities	Moderately Covered
6	Proficiency Modules	Moderately Covered
7	Lecture by Eminent People	Covered
8	Academic Matters	Covered
9	Non-Academic Matters	Covered

AICTE Guidelines for Induction Program

Sl. No	Activities	Covered/Not Covered
1	Physical Activities	Covered
2	Creative Arts and Culture	Covered
3	Mentoring & Universal Human Values	Covered
4	Familiarization With College, Department/ Branch	Covered
5	Literacy Activities	Moderately Covered
6	Proficiency Modules	Moderately Covered
7	Lectures & Workshops by Eminent People	Covered
8	Visits to Local Area	Covered
9	Extra-Curricular Activities in College	Covered





The Women Cell in association with the College Internal Complaint Committee (CICC), ATME College of Engineering (ATMECE), Mysuru had organized a 'Workshop on Pranayama for Mindfulness', on 20th Sept 2022 at 10.30 AM. The resource person was Dr.Devaki Madhav Psychologist and scientific pranayama practitioner Mysuru.

“Health is not a commodity, it has to be earned” opined by the psychologist, Dr. Devaki Madhav. She said by controlling our breathing scientifically physical fitness and mental well-being can be achieved. She mentioned the health benefits of pranayama and the research that has taken place in this field. She mentioned that people have realized the importance of oxygen in a better after the pandemic. Pranayama consists of long, sustained flow of inhalation, exhalation, and retention of breath. Inhalation stimulates the system, exhalation throws out vitiated air and toxins and retention distributes the energy throughout the body.

She said, there are many methods to control breathing. yoga and pranayama are not confined to any religion or region, and it is universal. Dr. Devaki said, that through pranayama, we can get rid of many diseases, and we can improve our body's immunity. We can also control our minds and in turn, we can improve our health. All the eight pranayama are based on one or the other principles of science. Anuloma, Viloma and Brahmari pranayama were demonstrated and practiced.

Dr.Sachidananda Murthy K L, Administrative Officer, ATMECE explained the science behind the pranayama with illustration.

Dr.Basavraj L ,Principal, ATMECE addressed the gathering and mentioned about the importance of Yoga and Pranayama in day today life.

The programme was anchored by Ms. Keerthana N, a student of CSE, invocation was by Ms. Kavya L G, student of CSE, welcome speech and Vote of thanks were rendered by Ms. Chaitra B and Ms. Hiba Mahin, students of ECE respectively. The programme was convened by Dr.Bhagyashree S R, Dean Research, Chairperson, Women Cell and CICC, ATMECE. The programme was coordinated by Mr. Ravi Kumar S, Member Secretary, CICC, Mrs.Priyanka N B, Member Secretary, Women Cell, and Ms. Swapna H, Assistant Professor, EEE. All the staff members of ATMECE were present.



The Women Cell and College Internal Complaint Committee (CICC), ATME College of Engineering (ATMECE), Mysuru in association with All India Women Conference (AIWC) jointly had organized a Various event such as 'Awareness Talk, Poster Presentation oathtaking, Streetplay etc..' in view of observing "Discrimination Against Women Pakhwada", from 25/11/2022 to 10/12/2022 at ATMECE, Mysuru.

1. Oath Taking ceremony for Staffs & Students in view of observing "Discrimination Against Women Pakhwada".

Oath Taking ceremony for Staffs & Students in view of observing "Discrimination Against Women Pakhwada" on 25/11/2022 at 11:00AM , coordinated by CICC and Women's Cell Members of ATMECE.



Students and faculty of ATMECE taking oath in view of observing "Discrimination Against Women Pakhwada."

2. Social Outreach Program - Women Empowerment at Govt. School, Harohalli, Mysore by our college representatives.

Social outreach program conducted by the students of ATMECE on 1/12/2022 for Students of Government School, Harohalli and coordinated by CICC and Women's Cell Members of ATMECE.



Students of Government School, Harohalli actively participating in Social outreach program conducted by the students of ATMECE.

3. Awareness talk on “Gender Inequality” in view of observing 'Discrimination Against Women Pakhwada' - By Smt. Manjula Patil

Awareness Talk by Smt. Manjula Patil, Child Development Project Officer, Mysuru on 5/12/2022, 3:00PM, coordinated by Mr. Ravi Kumar S and Mrs. Priyanka N.B.



5. Poster Presentation for Students on “Discrimination Against Women Pakhwada”

Poster Presentation for Students on “Discrimination Against Women Pakhwada on 8/12/2022, 2:00PM ,coordinated by MS. Swapna H, Assistant Professor, ATMECE.



4. Street Play by Students of ATMECE on “Discrimination Against Women”, Mysuru.

Street Play by Students of ATMECE on “Discrimination Against Women” on 7/12/2022, 3:00PM , Coordinated by Mrs. Shruthi H G and Mr. Puneeth K.



Students of ATMECE participating in poster presentation.

6. Awareness talk by Dr. Yogamala H L, HoD (i/c), School of Maritime Management, Indian Maritime University, Kochi Campus, and Mrs. Kuljit kaur, Honourable Secretary General, AIWC, New Delhi.

The Women Cell and College Internal Complaint Committee (CICC), ATME College of Engineering (ATMECE), Mysuru in association with All India Women Conference (AIWC) jointly had organized 'An Awareness talk on Discrimination Against Women in Workplace' in view of observing "Discrimination Against Women Pakhwada", on 8th Dec 2022 at 03:00PM. The resource person were Dr. Yogamala HL, HoD (i/c), School of Maritime Management, Indian Maritime University, Kochi Campus, and Mrs. Kuljitkaur, Honourable Secretary General, AIWC, New Delhi.

With lots of examples, she explained POCSO Act, Dowry Prohibition Act, Cruelty on Women-IPC 498a, and Discrimination on Women at Workplace. She narrated some of the major leading cases like Vysaka case. She spoke about how frequently child marriages are happening nowadays and it is our responsibility to avoid such marriages. She urged to provide equal opportunity among the all-women gender. Still, now many families are having inequality between their children but now it is available only in laws and bylaws about women's equality. To get their rights women can question and fight for their rights.

Principal Basavarj L spoke to conduct more events to create awareness among students and girl student. And resist the discrimination where which is happening. Administrative officer spoke to awareness implementation where it actually facing discrimination.

The session speaker Dr. Yogamala H L was honoured by Dr. Bhagyashree R and Mrs. Hemalatha. The session Guest of Honour was Mrs. Hemalatha.

The program was anchored by Ms. Keerthana M, a student of ECE, invocation was by Ms. Bhoomika M S, a student of ECE, welcome speech and Vote of thanks were rendered by Ms. Dhanyashree and Mr. Shashank, students of ECE respectively. Dr. Basavaraj L principal and Administrative officer Dr. Sacchidanandamurthy were present. The programs convined by Dr. Bhagyashree S R, Dean Research, Chairperson, Women Cell and CICC, ATMECE. The program were coordinated by Mr. Chandrashekar C, Member, CICC, and Ms. Navya N, Member, Women's Cell. All the staff members of ATMECE were present.



Event Report: "Make Men; Make Nation" - Key Discussion Points

Event Details:

Date: 22nd February 2023

Organizer: Women's Cell, ATME College of Engineering, Mysuru

Speaker: Swami Veereshananda Saraswathi, Ramakrishna Ashrama, Tumkur

Topic: "Able Teacher; Nation Builder"

Time: 3:00 PM

Location: ATMECE Auditorium

Dignitaries on the Dias



Key Discussion Points

During the event, Swami Veereshananda Saraswathi emphasized the following critical points:

- 1. Citizenship Importance:** Highlighted the significance of citizens in the context of nation-building and the pivotal role they play in the strength and success of a nation.
- 2. Call to Action:** Described the phrase "Make men make the nation" as a call to action, urging men to actively participate in the building and shaping of the nation. This suggestion emphasized the critical role that the character and actions of citizens play in the overall development of a nation.
- 3. Development and Education:** Emphasized the need for a developmental process and education where men are taught values, skills, and virtues essential for positive societal contribution. This includes instilling a sense of civic duty, promoting ethical behaviour, and encouraging commitment to the common good.
- 4. Leadership and Innovation:** Emphasized that individuals, after being shaped through this process of education and development, should go on to become leaders, innovators, and representatives of positive change in their communities and beyond. The goal is to strive for an improvement in social, economic, and political conditions, ultimately working towards a more just and equitable society.

This event was attended by significant members

such as Dr. L Basavaraj, Dr. Sachidanandamurthy, Dr. Bhagyashree S R, Mr. Ravi Kumar S, Mrs. Priyanka N B, faculty members, and students of the ATME family. The discussions held during this event shed light on the critical role that men can play in the advancement of a strong and prosperous nation.

This report highlights the importance of empowering men to embrace their responsibilities as citizens and actively contribute to a brighter future for themselves and their fellow citizens.

Event Report: "Able Teacher; Nation Builder"

Key Discussion Points

Swami Veereshananda Saraswathi, in his motivational talk, delved into the crucial role of teachers in building a country into a nation. The following are the salient discussion points:

- 1 Teacher's Pivotal Role:** Emphasized the major role of teachers in the lives of students as learners and future leaders. The talk revolved around how teachers were revered and respected in Indian society, comparing their historical significance with their present-day role.
- 2. Teaching vs. Lecturing:** Criticized present-day constraints in the classroom, highlighting that true teaching permeates the intellect, nurturing curiosity, skill, culture, and inspiration, as opposed to mere lecturing which merely addresses the surface.
- 3. Influence of Teachers:** Stressed the influence teachers have on their students, shaping their character, intellect, and ability to stand on their own feet. Additionally, Swamiji reiterated the importance of a good teacher in fostering good students.

4. Commitment to Society: Underlined the

responsibility teachers hold not just to their institutions but also to society at large, in providing great leaders and citizens because of their dedication and rapport with students and parents.

5.Conclusion: Swami Veereshananda Saraswathi concluded by emphasizing the need for a strong, vibrant education that fosters values and ethics to significantly contribute to the development of the country.

Attendees

Dignitaries:

Dr. Basavaraj L (Principal),
Dr. Sachidanada Murthy (Administrative Officer),
Dr. Bhagyashree S R (Chairperson Women Cell, CICC, Prof & Dean- Research, ATMECE)

Department Representatives: Heads of various departments, event coordinators (Ms. Priyanka N B, Mr. Ravi Kumar S)

Programme Management: Anchored by Ms. Harshitha Lokesh, with invocation by Ms. Dhanyashree. Welcome speech, introduction of the chief guest, and vote of thanks were managed by Ms. Ananya M K, Ms. Padmavathi, and Ms. Dechamma MK.

This event served as an insightful reflection on the influential role of teachers in shaping the nation through dedicated education and commitment to students' development.

Welcoming of Swamiji



Gathering in the Auditorium



Addressing the gathering by Swamiji in 401



Felicitation to Swamiji



REPORT ON INTERNATIONAL WOMEN'S DAY-2023 AT ATMECE

ATME College of Engineering Women Cell, and CICC, in association with IEEE Mysore subsection, 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: QUIZ -"QUEEN-IZ"t

The event was conducted on 08/03/2023 from 9:15 AM to 11:00 AM, coordinated by Ms. Swapna H of the EEE dept.

Student coordinators:

Rakshitha Ramesh and Rakshitha KH.



EVENT 2: RANGOLI – “RANGAVALLI”

The event was conducted on 7/3/2023 from 9:45 AM to 10:45AM, coordinated by Mrs. Shruthi HG of Civil dept. The event was judged by Dr. Bhaghyashree, Dean Research ana Mrs. Amrutha, AAO. Student Coordinators: Ramya, and Kusuma SL



EVENT 3: SOLO SINGING

The event was conducted on 7.3.2023 from 9:15 AM to 11:15 AM coordinated by Dr. Shakuntala C, Assoc. Prof., Dept of EEE and Student coordinators: Deeksha S, Bhoomika GN



EVENT 4: DANCE – “NRUTHYAM”

The event was conducted on 8/3/2023 from 11:15AM to 1:00 PM , coordinated by Ms. Navya.N, Asst. Prof., Dept of ECE Mrs.Pushpa P, Asst.Prof, Dept of CSE Student coordinators: Spoorthi SH, Jenisha

EVENT 5: SPORTS - “SPARKLERS”

Outdoor Games: Throw ball

The event was conducted on 7/3/2022 from 2:00 PM to 4:45PM , coordinated by Mrs. Pushpa P , Asst. Prof., .Dept of CSE Ms.Lavanya N, Asst. Prof., .Dept of CSE Student coordinators: Ananya M K , Aruna Rashmi.



Indoor Games: Carrom and chess

The event was conducted on 8/3/2022 from 9:15 AM to 12:00PM, coordinated by Ms.Lavanya N, Asst. Prof., .Dept of CSE Student coordinators: Shuchitha R, Kavya Shree, Chaithra



EVENT 6: ETHNIC WALK “SWABHIMAAN-CHAL-WALK WITH PRIDE

The event was conducted on 8/3/2022 from 2:00PM, coordinated by Mrs. Shruthi H G, Asst. Prof. student coordinators: Nikhitha p, Rakshitha N



EVENT 7: ESSAY WRITING (English)

TOPIC: “INNOVATION AND TECHNOLOGY FOR GENDER EQUALITY”

The event was conducted on 7/3/2022 from 11:00 AM to 12:00 Noon, coordinated by Mrs. Priyanka

N B, Asst . prof, Maths Student coordinators: Preksha Jain, Husnain



EVENT 8: PENCIL SKETCH

The event was conducted on 7/3/2022 from 12:00 Noon to 1:00PM, coordinated by Mrs. Priyanka N B, Asst . prof, Maths Student coordinators: Padmavathi S, Rakshitha S



EVENTS CONDUCTED FOR FACULTY MEMBERS

EVENT 1:- “DUMB CHARADS”

The event conducted on 23-2-2023 from 11:30AM to 12:30PM. The event was coordinated by Mrs. Priyanka N B, Asst. prof., Maths





EVENT-2 - ANTHYAKSHARI

The event conducted on 24/3/2022 from 11:30AM to 12:30PM, coordinated by Ms. Navya.N, Asst. Prof., Dept of ECE Mrs. Pushpa P, Asst.Prof,Dept of CSE



International Women`s Day Celebration on 8/3/2023

“International Women's Day” was organized by Women's and CICC in association with IEEE Mysuru subsection on Wednesday, 8th March 2023 at ATME College of Engineering, Mysuru. The function was Invocated by Ms. Kavya G, I year ECE student, Welcome Speech by Ms. Rakshitha S, II-year AIML. International women's day events report was chairperson Dr. Bhagyashree S R, The function was inaugurated by the lighting of the

lamp by the dignitaries on the dais.



Right to Left : Administrative Officer Dr. Sachhidanandamurthy, Guest of Honour Anuradha Nandakumar, Chief Guest Dr. Chaitra Katakol, Principal Dr. L. Basavaraj, Chair Person of International Women's Day Committee Dr. Bhagyashree S R, Student coordinator and faculty coordinator Ms. Shruthi.

Introduction of Chief guest by Ms Kavyashree N, II-year ECE, ATMECE. Address by Chief guest – by Dr. Chaithra katakol Consultant Radiation Oncologist Clear-Medi Radiant Hospital, Mysuru. Dr. Chaitra Katakol Consultant Radiation Oncologist Clear Medi Health Care Mysuru was the chief guest. Dr. Chaitra Katakol spoke about the theme of International Women's Day and also the importance of International Women's Day lies in the fact that women still face significant challenges and inequalities in many areas of life. Women continue to be paid less than men for the same work, and they are under represented in leadership positions in many industries and countries. Women also face high rates of violence and discrimination, and they are often denied basic human rights such as access to education and healthcare.



During this occasion, Chief Guest Dr. Chaitra Katakol addressed the gathering. And also she explains about Cancer awareness is the knowledge and understanding of cancer and its effects on

individuals, families, and society as a whole. It is crucial to raise awareness about cancer because it is a leading cause of death worldwide. The more people know about cancer, its causes, risk factors, symptoms, and treatments, the more they can take steps to prevent it or detect it early, improving their chances of survival.

There are many types of cancer, and each one has different risk factors and symptoms. Some common types of cancer include breast cancer, lung cancer, colon cancer, prostate cancer, and skin cancer. It's important to note that cancer can occur in any part of the body, and anyone can develop cancer, regardless of their age, gender, or ethnicity.

Cancer awareness is promoted through various initiatives, including educational campaigns, public service announcements, social media, fundraising events, and support groups. These efforts aim to raise awareness about the importance of cancer prevention, early detection, and treatment. They also help to reduce the stigma associated with cancer, encourage people to seek medical help when they notice symptoms and support those who have been diagnosed with cancer.

Some of the key messages of cancer awareness campaigns include: Early detection saves lives: Many cancers can be cured if detected early. Therefore, it is essential to be aware of the warning signs and to seek medical attention promptly.

Prevention is better than cure: Many risk factors for cancer can be reduced by making healthy lifestyle choices such as eating a balanced diet, maintaining a healthy weight, not smoking, and limiting alcohol consumption. Cancer is not a death sentence: Although cancer can be a serious illness, many people are now living with cancer as a chronic condition. Advances in treatments and therapies have greatly improved the outlook for many people with cancer.

Support is available: No one should have to face cancer alone. There are many support groups, organizations, and healthcare professionals available to provide help and support to those affected by cancer. In conclusion, cancer awareness is crucial in promoting early detection, prevention, and treatment of cancer. It is essential to continue to raise awareness about this disease and to support those affected by cancer. By working together, we can reduce the impact of cancer on individuals, families, and society as a whole.



On this great occasion, our organization felicitated our Chief Guest Dr. Chaitra Katakol

Introduction of Guest of honour -by Ms. Padmavathi S, II-year ECE. Addressed by Guest of honour- Mrs. Anudradha Nandakumar Rehabilitator.

Anuradha Nandakumar mentioned that Women have to take several roles: As a mother, As a sister, As a daughter, As a daughter-in-law etc. The contribution of the woman and every role she occupies is very important to fellow beings. She mentioned a Sanskrit quote “Upadyayan Dashacharyaha Acharyanam Shathampitha S a h a s r a m t h p i t r u n M a a t h a Gouravenathirchyathahe”. She gave a few tips to the girl students on how to be brave and smart. Gender sensitization is the process of raising awareness and challenging gender stereotypes and biases, with the aim of creating a more equal and just society. It involves educating individuals about gender roles, gender-based discrimination, and the importance of gender equality.



During this occasion, Chief Guest Mrs. Anuradha Nandakumar addressed the gathering. And also, speaks about a mother's role for half-intelligent children can be challenging but also rewarding. Half of the intelligent children may struggle with certain aspects of learning and may require additional support and guidance to help them reach their full potential. As a mother, there are several things you can do to support your half-intelligent child. Be patient: It's important to be patient with your child as they may take longer to understand certain concepts. Avoid comparing your child to others and focus on their individual strengths. Encourage their interests: Half-intelligent children may excel in certain areas. Encouraging their interests and providing opportunities for them to explore their passions can help build their confidence and self-esteem.

Provide additional support: If your child is struggling in a particular subject, consider hiring a tutor or working with their teacher to provide additional support. You can also create a quiet and organized space at home for them to study. Use different teaching methods: Some half-intelligent children may learn better through visual aids or hands-on activities. Experiment with different teaching methods to find what works best for your child. Celebrate their achievements: It's important to celebrate your child's achievements, no matter how small. This can help build their confidence and motivate them to continue learning. Remember, every child is unique and has their own strengths and weaknesses. As a mother, your role is to support and encourage your child to reach their full

potential.

And also about Dyslexia is a neurological condition that affects an individual's ability to read, write, and spell effectively. It is a learning disability that affects language processing skills in the brain. People with dyslexia often have difficulty decoding words, recognizing familiar words, and spelling words correctly. Dyslexia is not related to intelligence, and individuals with dyslexia may have average or above-average intelligence. Dyslexia is also not related to vision problems or laziness. It is a lifelong condition that can impact academic and professional success, but with appropriate support and interventions, individuals with dyslexia can learn to read, write, and spell effectively.

Also, Intellectual disability (ID), formerly known as mental retardation, is a developmental disorder characterized by significant limitations in intellectual functioning and adaptive behaviour. The term "intellectual functioning" refers to the ability to learn, reason, problem-solve, and understand complex ideas. The term "adaptive behaviour" refers to the ability to carry out everyday activities such as self-care, communication, and social interaction. And briefed about patriarchy.



On this great occasion, our organization felicitated our Guest of Honour Mrs. Anuradha Nandakumar

Principal Dr. L. Basavaraj mentioned that various events have taken place on the campus and congratulated the winners and participants. He mentioned that the contribution from women to the overall development of a nation is appreciable, and thanked the organizing committee for making up the event a grand success.

Dr. Sudharshan Patil Kulkarni, Speaks about Academic Challenges, after completing the engineering challenges and gender equality and Speaks about the internet virtual world, the importance of higher education, and inequality in education. Everyone has the potential but not possible to afford higher education abroad. And research is also one of the areas where women can achieve more and get recognition nowadays.

Prizes were distributed to winners. Program coordinators and other faculty members and students were present.

PRIZE DISTRIBUTION OF ALL EVENTS FOR BOTH STUDENTS AND FACULTY MEMBERS

Distribution of prizes to Students



Distribution of prizes to Faculties



Distribution of certificates to faculty co-ordinators



The program got concluded with Vote of Thanks.

Webinar Report

IBM Skill Build - “Project Management Fundamentals”

The CICC and Women Cell, ATMECE in association with AFH organizing a webinar on, IBMSkillBuild-“Project Management Fundamentals” on 24th May 2023.

The Resource person Tanvi Mittal, Program Manager, AspireForHer, VoiceAI@skit.ai, Ex-Microsoft, ISB, CAPM.

Tanvi Mittal explained about the project management fundamentals, it is the application of knowledge, skills, tools, and techniques to project activities to meet the project requirements. It's a “Unique process consisting of a set of coordinated and controlled activities with start and finish dates, undertaken to achieve an objective conforming to specific requirements, including constraints of time, cost and resources”. The project management process comprising the groups as initiating, planning, executing, monitoring and controlling and closing. The first rule of the project management is that the people who must do the work should help plan it. The process of enrolling the course project management fundamentals was shown to the students in the session.

The major steps in managing a project were defining the problem, develop solution options, plan the project, execute the plan, monitor and control progress, and close the project. The project management fundamentals include process groups, cost management, risk management, task management and project constraints. The major principles of project management are,

- Address the important questions at the beginning of the project.
- Sketch out a scope and goals for your project.
- Communicate roles, expectations and

objectives to the team.

- Monitor progress and identify road blocks.
- Make sure all deliverables have been met and finalize the project.

Dr. Bhagyashree S R, Chairperson, Women Cell, Prof & Dean-Research, ATMECE, Coordinators: Mrs Lavanya N and Mrs Shruthi H G, Students and Staff of ATMECE and other AFH Team Members attended the session.



During the session quiz was given for students. Many students attended the quiz and answered the questions raised by the AFH program manager.

Awareness Talk on CICC by Dr. N Vani Shree

A Report On “AWARENESS ON CICC WAS ORGANIZED AT ATMECE

The College Internal Complaint Committee (CICC), ATME College of Engineering (ATMECE), Mysuru had 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 Faculty Member, coordinated the Event

The Resource person, Dr. Vanishree N Chairperson, PG studies in Law, JSS College Mysuru. Addressed the gathering and 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.

Mr. Ravi Kumar S Assoc. Professor & Member Secretary CICC ATMECE thanked the Resource person for creating awareness and sharing the valuable insights and also thanked faculty members, students and for joining the event.



Report on 'SAKSHAM' - Awareness Program on Energy Conservation

CICC and Women Cell of the Institute in association with Indian Oil Corporation under Ministry of Petroleum and Natural gas, Govt. of India had organised an awareness program for the students and faculty members. The event was conducted on 08-05-2023 at 3:00pm in Room No. 401.

Resource person was Mr. Bindukiran M R, Event Manger, Indian Oil Corporation. He has delivered an informative talk on Energy Conservation. The importance of 4R's-Refuse, Reduce, Reuse and Recycle was explained with good interactions from the students. At the end of the Talk an online quiz was conducted for all the students. Many students have taken part and about 34 of them scored 20/20 marks. Mr. Bindukiran appreciated the enthusiasm of the students and gave away T-shirts as prize to all those who have scored 20/20 marks.

Mr. Ravikumar S, Member Secretary welcomed all to the event, Mrs. Lavanya, member Women cell conducted the quiz, Dr. Bhagyashree S R, Chairperson, CICC and Women Cell, ATMECE and Mrs. Hemalatha, Advocate and member of CICC was also present during the occasion



**ATME College of Engineering, Mysuru
organized International Conference on
“Recent Trends in Science and Technology”
(ICRTST-2022)**

A two-day international conference on “Recent Trends in Science & Technology “ICRTST-2022” was organized at ATME College of Engineering, Mysore. The dignitaries inaugurated the conference by lighting the lamp. The chief guest



and the keynote speaker of the conference Dr. Raghavendra B Jana, Senior Research Scientist of “Skolkovo Institute of Science & Technology, Russia”, said that the field of technology is constantly changing and will lead to many new innovations. He opined that, changes are taking place at a rapid pace in both in industries and in educational sector. Accordingly, there is a need for the exchange of ideas through such conferences to develop research-based knowledge and skills. He delivered an enchanting address with state-of art Technological Tools. Dr. Shaym Vasudeva roa, the managing director of Renalyx Health System Pvt Ltd., Bangalore, who was the guest of honor, said that "Technology has grown on the basis of science, tomorrow will be science and technology-oriented, the use of technology in the medical field is inevitable and thus it will be very beneficial for the society, the development of technology is helpful to know many educational aspects happening in the world instantly through social networks. In this background, such conferences, he said, 'there is a need to exchange a lot of new ideas'. Dr. Syed

Shakib Ur Rahman, Former Principal, SJCE College of Engineering emphasized on the development, growth and importance of participation in international conferences in the field of science and technology in the present world scenario.

Mr. L Arun Kumar, Hon'ble Chairman of ATME Engineering College, who presided over the function, said that, compared to other countries, India has lagged in obtaining patents for new research and inventions, thereby with this backdrop, we need to lay more emphasis on qualitative research. He said that cooperation would be provided by the ATME management for such research activities at any point of time.

The invocation for the conference was rendered by Ms. Shivali and Mrs. Juslin, Department of Electronics and Communication Engineering, compered the Programme. Dr. Basavaraj L, Principal, ATME College of Engineering,



welcomed the gathering while Dr. Suneeth Kumar, a member of the Organizing Chair of the conference, Department of Civil Engineering delivered the vote of thanks. Dr. Manoj. B.R., Associate Professor, IIT Guwahati delivered the second key note address on IOT and such topics. Mr. Manu Vijay, other member of the Organizing Chair & Head of the Department of Civil Engineering, Deans and Heads of various departments, organizers of the conference and staff members were also present along with the students as well as staff participants from other colleges.



After the successful completion of the conference, a Valedictory Function was held on 15th of July 2022, for which Dr. S B Kivade, Principal & Dean, JSS Science and Technology University, Mysuru was the chief guest, who delivered the valedictory address and presented the certificates to the participants. Mr. Manu Vijay, member of the Organizing Chair & Head of the Department of Civil Engineering, presented a status report on the conference. The function was presided by Sri K Shiva Shankar, Hon'ble Secretary, ATMECE. Dr. Basava Raj L, Principal addressed the gathering. The invocation was rendered by Ms. Kavya and Ms. Bharathi B, Department of Civil Engineering compered the function. The vote of thanks was given by Mrs. Shakunthala, Department of Electrical and Electronics Engineering.





Activities of the NSS Department

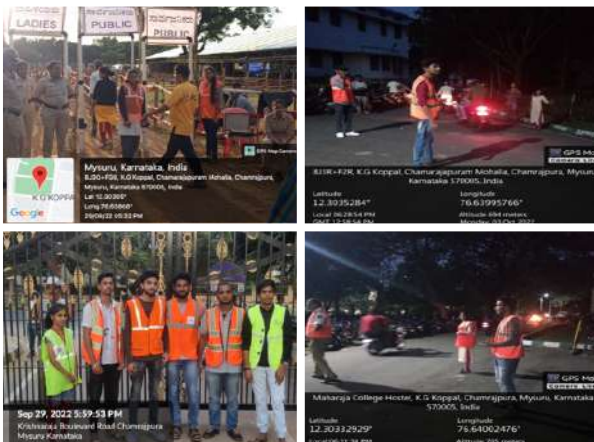
A report on “Traffic Management during Dasara Festival”

Place: Mysuru

Date: 28th September to 5th October 2022

NSS Unit of ATME College of Engineering in association with Mysuru City Traffic has worked and co-ordinated in many activities during Dasara festival in Mysuru. Volunteers worked for crowd controlling during Yuva Dasara Festival, in giving traffic guidelines to the crowd and also parking suggestion during the Yuva Dasara Festival. Volunteers also created awareness about traffic sense in people.

Around 36 NSS Volunteers from ATME College of Engineering used to work from 28th September to 5th October between 4.00pm to 10.00 pm. This shows the involvement of students in social responsibilities and concern towards the society.



A report on “Global Hand Washing Day”

Place: Mysuru

Date: 15th October 2022

NSS Unit of ATMECE organised awareness program on 15th October 2022 on account of Global Handwashing Day. A global advocacy day dedicated to increasing awareness and understanding about the importance of hand washing with soap as an effective and affordable way to prevent diseases and save lives.



NSS Coordinators of each Department educated the students and staffs members about importance of hand washing using soaps and use of sanitizers to prevent spreading of viruses, self hygiene and reducing the transmission of other diseases.

Around 840 students were educated on Global Handwash day in their respective class rooms from 11.15 to 12.15 on 15th October 2022.



A report on “Constitution Day”

Place: ATMECE, Mysuru

Date: 26th November 2022

On the occasion adoption of Indian Constitution, “Constitution Day” was celebrated at ATME College of Engineering in association with NSS team.

In this occasion Preamble of the Indian constitution read in all the respective class rooms and explained about the Objective of the preamble, and also explained the meaning of Sovereign, Socialist, Secular, Democratic & Republic and the importance of the words “Socialist” & “Secular” which have been added to the Indian Constitution in the 42nd amendment -1976. Students from all branches have taken Oath in this program.

On this occasion an online Quiz competition was organized in the college for the students and staff members, Mr. Darshan P N (4AD21EC017) and Ms Alaina Rahim (4AD21CD003) won first and second prize respectively.

The program was coordinated by Mr. C Chandrashekar, Lecturer Constitution of India and Mr. Rudresh A N, NSS Program Officer, ATMECE. Deans, Heads of various departments, faculty members, & Students were present in the programme.



A report on “Chiguru Event”

Place: Amrutha Vidyalayam, Mysuru

Date: 19th February 2023

Youth for Seva in association with NSS Unit of ATMECE organised Chiguru event for Government School children. Chiguru serves as a platform for government school students to

showcase their talents in various cultural competitions conducted by Youth for Seva in association with NSS Unit of ATMECE on 19 February 2023 (Sunday), from 8:00 am to 6:00 pm.

Around 900 students from 25 government schools and 60 physically challenged students from 7 government schools participated in the event. NSS Program Officer Rudresh A N with 60 NSS student volunteers of ATMECE co-ordinated the event with Youth for Seva under the guidance of Dr. L Basavaraj, Principal and Dr, Yathisha L, Dean-Student Affairs, ATMECE.



5-Day NSS Camp Report

The NSS Unit of the ATME College of Engineering, Bannur Road, Mysuru, conducted a Camp for five days at the Ballekere Village, Srirangapattana Taluk, Mandya. A total of 33 students participated actively in the NSS Camp and extended a good service for the health, hygiene and welfare of the village.

NSS was established in 1969 with a vision of personality development of students through community service and well as development of rural areas in India.

NSS Unit has been introduced in colleges with an optimism of establishing a sense of social responsibility amongst students and inculcating values of self-discipline and selfless dedication towards community development.

The NSS Camp was organized by Mr. Rudresh A N, The Program Officer, along with the other faculty coordinators, Mr. Raghu, Mr. Dhananjaya and Mr. Nandhish, with the guidance and support of Dr. L Basavaraj, Principal, ATMECE, Dr. M.S. Govinde Gowda, Dean Academics, Dr. Yathisha L, Dean-Student Affairs and Administrative Officer Dr. Sachidanandamurthy K.L.

Day 1 - Date: 27.02.2023

Morning

The team of 33 students started the camp. The journey was flagged off by Dr. L Basavaraj, Principal on 27.02.2023 at ATMECE, who briefed about the importance of NSS as well as the morals of the camp. Then, Dr. Sachidananda Murthy K L, Administrative Officer, appreciated the participation of the students and wished them for a good camping and stay.

Team headed by NSS Program Officer Mr. Rudresh A N was welcomed by Government School, Ballekere. The fully pledged NSS volunteers created the awareness about health, hygiene and its importance. Later the team cleared and cleaned the surroundings of the school.



Evening

The camp was inaugurated by Smt. Netravathi, Grampanchayath Chairman, Ballekere village by lightening the lamp and appreciated the venture. The members of the village panchavat together watered the plants to commemorate the

importance of greenery and vegetation in human life.

An awareness talk on "Women Empowerment was organized. Talk was delivered by Mrs. Bhagya Y K, NSS Program Officer, Government College, Mandya. Around 150 villagers attended the event and got benefitted by it. On the same evening, a cultural programme was exhibited by the volunteers.



Day 2 - Date: 28.02.2023

Morning

The day's event started by hoisting the NSS flag by Smt. Soumya Marigowda, Anganawadi worker of Ballekere followed by National Anthem. The plantation of around 50 saplings by the elected members of the Village Panchayat and the NSS student volunteers inside the premises of the school and main roads of village.

The cleaning of the surroundings of the temples well as the roads of the village was taken up by the student volunteers. This activity is expected to promote the importance self-cleaning on health-hygiene among the villagers.



Evening

Smt. Aruna kumari K P, Financial Literacy Advisor, Bank of Baroda, Mandya, a financial analyst was invited who spoke on the financial management and income generation in rural areas. On the same evening, a cultural programme was exhibited by the volunteers.



Day 3 - Date: 01.03.2023

Morning

Ms. Sindhu Sathish, Bright student of Ballekere village hoisted the NSS flag in prior to the start of the day's event followed by National Anthem.

NSS Unit of ATMECE in association with Bhagwan Mahaveer Darshan Eye Hospital, Mysuru arranged an Eye-Check up camp for villagers. The camp focused on visual acuity test. They created awareness on blurred vision (refractive errors), age related macular generated on glaucoma, cataract, diabetic retinopathy. Around 120 villagers including old age people were benefitted by the camp.



Evening

The youngsters in the village were motivated by Personality Development session by Mr. Sathish G N, Assistant Professor, Government First Grade College, Talakadu. He said "These type of sessions help us in improving our confidence level and creating good and lasting impression on others."

The session focused on major 5 categories of human life i.e., mental, social, spiritual, physical and emotion. Regardless of how busy life is, one has to stick around to learn how to add personal development to it. The first of the five areas of personal development is all about growing the mind.

The youth's of the Ballekere village and NSS volunteer got benefitted by the session. Later, a cultural programme was exhibited by the volunteers for about an hour which was very much appreciated by the audience.



Day 4 - Date : 02.03.2023

Morning

Sri. Srinivasagowda, Ex-chairman of Ballekere village hoisted the NSS flag in prior to the start of the day's event followed by National Anthem.

NSS unit of ATMECE in assoiation with Jeeva Dhara, a unit of Social Services Trust, Mysuru, organized a Blood Donation Camp in which most of the student volunteers as well as some interested locals donated the blood.

Also, a Health Check-up Camp in association with Aravind Hospital, Mysuru was organised. The regular health check up for localities was carried out. The basic test like Diabetes and Blood Pressure was checked for about 100 members.



Evening

Sri. Surendra, Assistant Director, Taluk Panchayat, Pandavapura address the NSS volunteers and villagers. He emphasized on "Role of youth in the rural development". He further spoke the importance of youth in rural development needs to be approached in the transversal way helping give young people access to production factors involving them in the decision making process and diversify the rural economy.

He also mention the role of youth there feasibility and ability to learn an adopt the environment. Youths can bring social reform and improvement in society and cannot done without the youth of the country.

On the same evening, a traditional folk dance (Janapada Jatre) was performed by the troop headed by Mr. Keerthi and Dileep of Mollena Halli of Mandya District.



Day 5 - Date: 03.03.2023

Morning

Smt. Soumya Kumar, Asha Worker of Ballekere village hoisted the NSS flag in prior to the start of the day's event followed by National Anthem.

Awareness program on women healthcare was organized in the forenoon session. The Gynecologist Dr. Vasumati Udupa from Vinayaka Nursing Home spoke on hygiene and healthcare to be taken care by women during the initial stage of puberty and later stage. She also spoke on early stage of Cancer which is detected in mid 40 women and care and precaution to be taken in the initial and secondary stages. The proper care treatment may minimize the life loss.

Various events like drawing, singing dance and essay competition where organized to the government school students. Around 100 students from higher primary school actively participated and won the prizes.



Afternoon

Finally, a valedictory function was arranged in which Sri. Anantharaj, BEO, Srirangapattana , Sri. Ballekere Srikanth, Chairman, Mandya Rakshana Vedhike, Sri. Shankarababu, Founder, Mandya Rakshana Vedhike and Mr. Rudresh A N, the Program Officer were present in the event.

Then, prizes for the winners of the various competitions held were distributed by the dignitaries.

Further, mementoes to all the participants of the NSS camp were given away by Sri. Ballekere Srikanth, Chairman, Mandya Rakshana Vedhike, Mandya.



A report on Blood Donation Camp “Once a Blood Donor, Always a Lifesaver”

Place: ATMECE

Date: 14th March 2023

NSS unit of ATMECE in association with Lions Blood Centre Jeevadhara, Mysuru organized Blood Donation Camp “Once a Blood Donor, Always a Lifesaver” for Students and Staffs of ATMECE on 14th March 2023.

Head of Department of Blood Bank gave information to the students and staffs about the health benefits of blood donation and also there was interaction session to get answers to enquiries made by the students. And informed the health benefits of regular blood donation were viz., reduces the risk of heart attack, production of new blood cells, reduces cholesterol content in the blood, increases the memory power and freshness due to movement of new blood cells.

Dr. L Basavaraj, Principal addressed the volunteers about importance of blood donation. He also mentioned blood donation can save lives of innumerable persons. Donation of blood is very critical and crucial for saving lives many patients

and those who have met with accidents. It is as such a great service or contribution to the society and people living in it.

Around 110 students and staffs were donated the blood on the occasion. The event was coordinated by Mrs. Harshitha N and Ms. Lavanya N, Mr. Rudresh A N, NSS Program Officer and the Team of NSS under the guidance of Dr. L Basavaraj, Principal and Dr. Yathisha L, Dean Student Affairs, ATMECE.



A report on “International Yoga Day”

Place: ATMECE

Date: 21st June 2023

NSS Unit of ATMECE in association with Sri Patanjali Yoga Shikshana Samiti (SPYSS), Mysuru organized “International Yoga Day” for Students and Staffs of ATMECE on 21st June 2023.



The International Yoga Day event is conducted on 21.6.2023 at Activity area, Civil Engineering Department, ATME college of Engineering for staff and students.

In this connection, the institution had invited the trained Yoga team members from Sri Patanjali Yoga Shikshana Samiti (SPYSS). The trained yoga team members from SPYSS had accepted our invitation and conducted the event on 21.6.2023. The team members from Sri Patanjali Yoga Shikshana Samiti (SPYSS) are Mr. Vittal Raj, Mr. Santhosh kumar, Mr. Nagaraj, Mr. Gopal and Mr. Prakash kumar had conducted the event.

The benefits and importance of yoga practice was expressed by the team members during the yoga session. They said that yoga is the best exercise that one must have a regular practice to acquire sound health both physical and mental health including inner peace. In the event, trainers advised all staff and students to practice and do yoga regularly. On this occasion Dr. Suneeth kumar from civil engineering department performed the devotional song through musical instrument flute.



The staff members Mrs. Juslin F, from ECE department, Mr. Niranan kumar V S, Dr. Mohanakumara K C, Mr. Rohith S from ME department, Mr. Chandrashekar from Basic Science department and Mrs. Keerthana from CSE department extended their support for preparation and successful conduction of the event. Mr. Devaraj M R, from Mechanical Engineering department, Dr. Muralidhar M P from Physical Education department and Mr. Rudresh A N from Civil

Engineering department are worked as coordinators to this event and the program is convened by Dr. Yathisha L Dean- Student affairs.

A report on “World Environment Day”

Place: ATMECE

Date: 5th June 2023

NSS Unit of ATMECE organized World Environment Day in the college premises on 5th June 2023.

The world environment day is celebrated every year on 5th June to raise global awareness to take positive environmental action to protect nature and the planet earth. It is a day that reminds everyone on the planet to get involved in environment friendly activities. People come together to pledge towards building a greener planet. Keeping this aim in view, Department NSS Unit of ATMECE celebrated World Environment Day on 5th of June 2021.

Students of various branches from department participated and celebrated world environmental day enthusiastically. They were asked to plant a sapling to create a green corner. A lot of enthusiasm was seen in the students. The event was conducted successfully with whole hearted participation and awareness about plants.



Dr. A K Murthy, Principal of ATMECE gave a speech on what role the environment plays and why it is important for people to take initiatives to save the environment. Then, as a special drive for Environment Day, the Principal announced that students would be planting 120 different trees in the college premises.

Dr. L Basavaraj, Director-IQAC, Dr. Yathisha L, Dean Student Affairs, Dr. Bhagyashree S R, Dean Research, and Dr. Sachidanandamurthy K L Administrative Officer and Respective HoDs were the guests for the event.

The Event was organized and coordinated by Mr. Rudresh A N, NSS Program Officer , Dr. Muralidhar M P, PED and students coordinators of various departments.



A report on “Clean Drive at Chamundi Hills”

Place: Chamundi Hills, Mysuru

Date: 23rd June 2023

Youth for Seva in association with NSS Unit of ATMECE and Clean Mysore Foundation, Mysuru organized Clean Drive at Chamundi Hills on account of Ashada Shukravara on 23rd June 2023.

The work of constructing a plastic-free and clean Chamundi hill was very successful on the first Ashada Friday in cooperation with many

organizations including Mahanagara Corporation, Clean Mysore Foundation, Credit-I organization, Youth for Seva and ATMECE. For the first time in so many years, even a single piece of plastic paper was prevented from going up from Chamundi Pada.



On the occasion of Good Friday, 23 shops selling turmeric and saffron and 44 other shops that were temporarily constructed near Chamundi Pada were prevented from leaving a piece of plastic. Even though many people got into a fight using words that should not be used, our volunteers did a very neat job of removing the plastic from the worship materials and shifting the bags brought by the devotees, removing the plastic covers and putting them in the dustbin.. Probably enough plastic waste was collected to fill a lorry. They did it neatly. As soon as the dustbin was full, the civil workers of the Municipal Corporation cooperated in emptying it.

The work of controlling about 1.5 lakh people was done very systematically and was appreciated by the public. Around 43 student volunteers from ATMECE along with NSS Program Officer Rudresh AN participated in the event



A report on “Study kit distribution at Government Schools”

Place: Kalyangiri, Kyathamaranahalli and Police Quarters Adarsha Vidyalaya Government School

Date: 22nd July 2023

Youth for Seva in association with NSS Unit of ATMECE is organized distribution of study kits sponsored by Dell Technologies to the Government school students on 22/07/2022.



Total of 20 ATMECE Students worked as volunteers for distributing the study kits that includes a school bag, note books, geometry box and an umbrella at Kalyangiri Government School, Kyathamaranahalli Government School and Police Quarters Adarsha Vidyalaya Government School. Around 259 students at Kyathamaranahalli Government School, 158 students at Kalyangiri Government School and 260 students at Police Quarters Adarsha Vidyalaya Government School were benefitted by this program.



A report on “Independence Day”

Place: ATMECE, Mysuru

Date: 23rd June 2023

The Independence Day celebrations at the college were held on August 15, 2023, with great

enthusiasm and patriotic fervor. The event was attended by students, faculty members, and staff of the college.

The celebrations began with a flag-hoisting ceremony by the principal Dr. A. K. Murthy. The National Anthem was sung by the students and faculty members with great pride.

Following the flag-hoisting ceremony, Dr. A K Murthy delivered the patriotic speech. In his speech, Dr. A K Murthy paid tribute to the freedom fighters who sacrificed their lives for the independence of our country. He also urged the students to be proud of their heritage and to contribute towards building a strong and prosperous India.

Followed by, Dr. Govindgowda M S, Dean-Academics, addressed the gathering. The program was well-received by the audience. The event concluded with the distribution of prizes to the winners of the various competitions that were held as part of the celebrations.

The Independence Day celebrations at the college were a great success. They helped to instill a sense of patriotism and pride in the students and faculty members. The event also served as a reminder of the sacrifices that were made by our freedom fighters to secure our independence.

The event was well organized in association with Dean Student Affairs and NSS team. During the event, Principal, Dean's, HoD's of various branch, faculties, staff's, students were present



Report on Conduction of various Competition for Independence Day

Essay Competition:

Date: August 10, 2023

Time: 3.00 PM

Venue: C 107

Theme:

The importance of heritage and culture in shaping
Indian society and identity

ಭಾರತೀಯ ಸಮಾಜ ಮತ್ತು ಗುರುತನ್ನು ರೂಪಿಸುವಲ್ಲಿ
ಪರಂಪರೆ ಮತ್ತು ಸಂಸ್ಕೃತಿಯ ಪ್ರಾಮುಖ್ಯತೆ

The legacy of Independence

ಸ್ವಾತಂತ್ರ್ಯ ಭಾರತದ ಪರಂಪರೆ

The role of youth in India's future

ಭವಿಷ್ಯ ಭಾರತದಲ್ಲಿ ಯುವ ಜನಾಂಗದ ಪಾತ್ರ

The essay writing competition for Independence
Day was held on August 10, 2023, in the Civil Block
C 107. The competition was open to all the
students of the college.

The essays were judged on the following criteria:

- **Content:** The essay should be well-written and should contain a strong argument.
- **Structure:** The essay should be well-organized and should flow smoothly.
- **Grammar:** The essay should be free of grammatical errors.
- **Creativity:** The essay should be creative and should offer new insights into the topic.

The winners of the competition were:

- First prize: Ms. Nikitha B, 2nd sem (CD)
- Second prize: Ms. Chethana G, 2nd sem (CSE)
- Third prize: Ms. Dhanyashree, 4th sem (AI & ML)

The winners were awarded prizes and certificates during the celebration of Independence day. The

competition was a great success. It helped to promote patriotism and national pride among the students. It also helped to inculcate a sense of responsibility among the students to contribute towards building a new India.

Debate Competition:

Date: August 11, 2023

Time: 3.00 PM

Venue: C 108

Theme:

Technology is devastating the young minds
ತಂತ್ರಜ್ಞಾನ ಯುವ ಮನಸ್ಸುಗಳನ್ನು ಧ್ವಂಸಗೊಳಿಸುತ್ತಿದೆ

The debate competition for Independence Day was held on August 11, 2023, in the Civil Block C 108. The competition was open to all the students of the college. The topic for the debate was "Technology is devastating the young minds."

The students were divided into two teams, the affirmative team and the negative team. The affirmative team argued that Technology has had a positive impact on young minds. They said that social media has made it easier for citizens to participate in the political process. They also said that social media has helped to hold the government accountable.

The negative team argued that technology has had a negative impact on youths. They said that social media has been used to spread misinformation and hate speech. They also said that social media has made it easier for foreign actors to interfere in Indian politics.

The judges found that both teams presented strong arguments. However, the judges ultimately decided that the affirmative team had the stronger argument.

The winners of the competition were:

- First prize: Syed Mahtab, 2ndsem
- Second prize: Samyama C B, 2ndsem
- Third prize: Alaina Rahim, 4thsem

The winners were awarded prizes and certificates during the celebration of Independence day. The competition was a great success. It helped to promote critical thinking and analytical skills among the students. It also helped to inculcate a sense of civic engagement among the students.

Drawing/Painting competition:

Date: August 10, 2023

Time: 3.00 PM

Venue: AB 202, Admin Block

The drawing/painting competition for Independence Day was held on August 10, 2023, in the AB 202, Admin Block. The competition was open to all the students of the college.

The theme for the competition was "Indian Independence." The students were given one hour to draw or paint a picture on the theme.

The paintings were judged on the following criteria:

- **Creativity:** The paintings should be creative and should reflect the theme of the competition.
- **Technique:** The paintings should be well-executed and should show a good command of the medium.
- **Expression:** The paintings should express the artist's understanding and appreciation of the freedom struggle.

The winners of the competition were:

- First prize: Ms. Harshith B N, 2nd sem (ECE)
- Second Prize: Geetha Bai, 2nd sem, (ECE)
- Third prize: Manosh Chandu M D, 4th sem (ECE)

The winners were awarded prizes and certificates during the celebration of Independence day. The

competition was a great success. It helped to promote creativity and artistic expression among the students. It also helped to inculcate a sense of patriotism and national pride among the students.

Patriotic Competition:

Date: August 10, 2023

Time: 3.00 PM

Venue: Seminar Hall, Electrical Block

The patriotic song competition for Independence Day was held on August 10 2023, in the Electrical Block-Seminar Hall. The competition was open to all the students of the college.

The following criteria were used to judge the songs:

- **Patriotism:** The songs should be patriotic in nature and should reflect the spirit of Independence Day.
- **Creativity:** The songs should be creative and should be well-arranged.
- **Performance:** The singers should perform the songs with enthusiasm and should be able to engage the audience.

The winners of the competition were:

- First prize: Ananya Desai, 4th sem (DS)

The winners were awarded prizes and certificates during the celebration of Independence day. The competition was a great success. It helped to promote patriotism and national pride among the students. It also helped to inculcate a sense of civic engagement among the students.

Sports:

The various sports were conducted for staff's on account of Independence day

Shuttle Badminton

Winners: Dr. Srinivasa K, HOD, Dept of ME

Dr. Chethan S, Asst Prof, Dept of ME

Runners: Mr. Karunakar Babu, Dept of ECE

Mr. Sudhakar, Dept of ECE

Throw Ball:

Winners: Administrative Team

Runners: ECE Team

Photo Glimpse of the Events



A report on Blood Donation Camp “It's in Your Blood to Save Life”

Place: ATMECE

Date: 18th August 2023

NSS unit of ATMECE in association with Rotary Mysuru organized Blood Donation Camp “It's in Your Blood to Save Life” for Students and Staffs of ATMECE.

On 18th August 2023, on the occasion of Independence, NSS unit of ATMECE in association with Rotary Mysuru organized Blood Donation Camp at ATMECE campus.



Rotarian B S Ravikumar, Chartered Accountant and Rotarian Arun R Belawadi, President, Rotary Mysuru were invited as the chief guest of this blood donation camp.

Many Students and Faculties of ATMECE participated in the blood donation camp and received certificates of participation. One of the doctors also addressed the audience saying that the blood donation does not weaken the donors. The recovery takes place very soon. He talked about facts/ myths/ Blood Groups related information. Refreshments like fruits, boiled eggs and juices were given to people who had come to donate blood.

Dr. A K Murthy, Principal addressed the volunteers about importance of blood donation. He told the participants that the donated blood would be used for saving the lives of the injured and the sick. It is as such a great service or contribution to the society and people living in it.

Around 136 students and staffs were donated the blood on the occasion. The event was coordinated by Mr. Raghu and Mr. Rudresh A N, NSS Program Officer and the Team of NSS under the guidance of Dr. A K Murthy, Principal and Dr. Yathisha L, Dean Student Affairs, ATMECE.

A report on “Koti Kanta Geethagaayana”

Place: ATMECE, Mysuru

Date: 28th October 2022

NSS Unit of ATMECE, Bannur road Mysuru was celebrated “Koti Kanta Kannada Geethagaayana”

Program on 28th October 2022 at the college premises.

In order to celebrate the 67th Kannada Rajyothsava in a grand manner, under the direction of department of Kannada & culture and Visveswaraya Technological University, Belagavi, ATMECE has organised the Koti Kanta Geetha Gayana program in the college premises

On this occasion Teaching and non-Teaching staff members along with students sang the selected kannada Songs such as Nada Geetha - "Jaya Bharatha Jananiya Thanujathae", "Udayavagali Namma cheluva Kannada Nadu", "Baarisa Kannada Dim Dimava", "Hachhavu Kannada Deepa", "Vishwavinuthanavidya Chethana" and "Huttidare Kannada nadali Huttাবেকು", totally by singing these six songs they show the triumph to Kannada.



Before the commencement of this programme Mr. C. Chandrashekar lecturer of Kannada and Constitution took the pledge on Kannada "Sankalpavidhi".

Dr. Basavaraj L, Principal presided over the function and address the gathering in his address he expressed "Everyone should have a love and self-respect about Kannada and they should spread the rich culture and heritage of Kannada everywhere.

The Administrative Officer Dr. Sachidanandamurthy address the gathering He said "Kannada language has a historical background from ancient time itself and even the non-speaking kannada people will love to speak and learn Kannada.

Further, Dean Dr. M S Govindgowda remarks the gathering by saying that "we should not be Kannadigas only in November but we should always love and respect kannada.

Various Dept Deans, Hods, Mr. Rudresh A N, NSS Program Officer, Teaching & non-teaching staff and students were present during the program.

A report on “National Unity Day”

Place: ATMECE, Mysuru

Date: 31st October 2022

NSS Unit of ATMECE celebrated Sardar Vallabhbhai Patel's Birth Anniversary as National Unity Day on 31st October 2022. It is also known as Rashtriya Ekta Diwas. The reason behind the celebration of this day is to make people awareness of the ideas of staying together and uplifting the society.



In view of this celebration NSS Unit organized Debate on 'Is Unity and Diversity a Myth in India'. Around 12 students participated in this event from various streams. Dr. Madhusudhan K V, Assistant Professor, Dept of BSH and Mrs. Bharathi B, Assistant Professor, Dept of CE were jury members for the Debate event. Mr. S N Shashank from ECE emerged as winner, received cash prize of Rs. 1000 and Ms. Jenisha Oshal Dsouza emerged as runner, received cash prize of Rs. 500. Other participants received participation certificates.



Along with this an Essay writing competition was organised on 'National Unity is a significant concept in Developing a Country'. Around 17

students participated in this event from various streams. Ms. Bharathi R, Lecturer, Dept of BSH evaluated the essays. Mr. Ashith S Gowda from EEE emerged as winner, received cash prize of Rs. 1000 and Ms. Alaina Rahim emerged as runner, received cash prize of Rs. 500. Other participants received participation certificates.

A report on “Wall Painting at Govt. School Deshipura village, Chamarajanagar district”

Place: ATMECE, Mysuru

Date: 17th and 18th December 2022

Youth for Seva in association with NSS Unit of ATMECE organised wall painting at Govt. School, Deshipura village, Chamarajanagar district on 17th and 18th December 2022.

Around 16 students of ATMECE volunteers painted the walls of Government school and drawn various pictures and information the walls of school. They also educated school students with awareness programs on usage of tobacco and effects on health, environmental concern and self cleanliness.

The program was coordinated by Mr. Rudresh A N, NSS Program Officer under the guidance of Dr. L Basavaraj, Principal and Dr, Yathisha L, Dean-Student Affairs, ATMECE.



Electric Vehicles

Mr. Mohammed Rayyan Shariff

4AD21EE403

Mr. Raehan Ahmed

4AD20EE015

Mr. Pavan Kumar S

4AD21EE405

6th Sem, EEE, ATMECE



Introducing electric vehicles (EVs) offers several compelling reasons that contribute to a sustainable future and address various challenges we face today. Here are some key reasons for promoting EV adoption:

1. Environmental Benefits: EVs produce zero tailpipe emissions, reducing air pollution and greenhouse gas (GHG) emissions.

2. Energy Efficiency: EVs are generally more energy-efficient than internal combustion engine (ICE) vehicles. While conventional gasoline engines waste a substantial portion of energy through heat dissipation, EVs

convert a higher percentage of energy from the electrical grid into actual vehicle propulsion.

3. Renewable Energy Integration: As the world moves towards renewable energy sources such as solar and wind power, EVs can serve as an excellent complement. They can act as mobile energy storage units, allowing for greater integration of renewables into the electric grid. EVs can charge during periods of excess renewable energy generation and discharge energy back to the grid during peak demand, helping balance supply and demand.

4. Reduced Dependence on Fossil Fuels: The

transportation sector heavily relies on fossil fuels, which are finite resources and contribute to geopolitical tensions.

5. Health Benefits: Traditional vehicles emit pollutants like nitrogen oxides, particulate matter, and volatile organic compounds, which have detrimental effects on human health. By promoting EV adoption, we can mitigate these health risks, leading to cleaner air, reduced respiratory illnesses, and improved public health outcomes.

Future of Electric Vehicles:

The future of electric vehicles (EVs) is quite promising, as they are expected to play a significant role in shaping the transportation industry and reducing greenhouse gas emissions. Here are some key aspects to consider regarding the future of electric vehicles:

1. Increasing Adoption: EV adoption is expected to continue rising steadily. Governments around the world are implementing

policies to promote electric vehicles, such as subsidies, tax incentives, and stricter emissions regulations.

2. Advancements in Battery Technology: Battery technology is a crucial aspect of electric vehicles. Ongoing research and development efforts aim to enhance battery energy density, charging speed, and overall performance. Lithium-ion batteries have a high energy density, which means they can store a significant amount of energy relative to their size and weight. This makes them suitable for portable devices where compactness and lightweight are important factors. Lithium-ion batteries have high charge and discharge efficiency, typically above 90%. This means that a minimal amount of energy is wasted during the charging and discharging processes, resulting in improved overall battery performance. Lithium-ion batteries are used in wind turbines, solar panels and electric vehicles which are the building blocks of a green economy.

3. Lithium has emerged as a priority metal for India: The Geological Survey of India has estimated the area holds 5.9 million metric tons of lithium valued at around \$410 billion. The discovery is strategically important for India as it will go a long way in solving shortage

of lithium, a key component of lithium-ion batteries used in EVs, harnessing solar power, wind energy and other chargeable instruments. All of which will help India's efforts of moving towards a net zero emission goal by 2070. The lithium found in J&K is of 500 ppm-plus grading, J&K's reserves, however, provide a major opening for India to be self-reliant. It will make EVs more affordable domestically, and India will also be able to tap into surging global demand.

4. Expansion of Charging Infrastructure: Governments, utility companies, and private entities are investing in the development of public and private charging stations. Fast-charging technologies, wireless charging, and advancements in charging networks will make recharging more convenient and efficient.

5. Electric Vehicle Range: As battery technology advances, electric vehicles will achieve longer ranges, addressing one of the key concerns for potential buyers. This will help eliminate range anxiety and make EVs more practical for long-distance travel.

6. Electrification of Other Transportation Sectors: Beyond passenger cars, the electrification of other transportation sectors such as

trucks, buses, delivery vehicles, and even airplanes are being explored. Electric trucks and buses are already gaining traction in certain markets, and advancements in battery technology will enable the electrification of larger vehicles and even long-haul flights.

Overall, the future of electric vehicles looks promising, with ongoing advancements in technology, infrastructure, and policy support. As these factors continue to evolve, we can expect a significant increase in the adoption of electric vehicles, leading to a greener and more sustainable transportation future.

Manufacturers of Electric Vehicles:

- Tesla
- Ford
- General Motors
- Hyundai/Kia
- Volkswagen/Audi/Porsche
- Nissan
- BMW
- Mercedes-Benz
- Rivian
- Lucid
- Tata Motors Ltd
- TVS Motor Company
- Ather Energy Private Limited
- Hero Electric Vehicles Pvt Ltd
- Ola Electric
- Mahindra & Mahindra
- Revolt Motors

L. O.S.S

[Loop of Optimistic Superstition Spectrum]

*Fiction Article written By
ASHITH S GOWDA
4AD20EE005
6th Semester, EEE, ATMECE*

There is a point in a 3-dimensional space where the giant ball of Fire burning hydrogen procurely emitting cosmic rays all around, travelling further trying to flip the bits if possible or losing those cosmic energies to the ozone, where one cosmic ray somehow managed to reach the surface of a Alarm clock which was ultimately successful in flipping a bit triggering a ring which happened 20 min prior to the given time then goes the angry tired hands of our protagonist NAYAN....

Inspite of being happy about getting up slightly early, he was still not quite happy about this and it was elevated more that the weather was just dull as his mood and to add to that his bike wouldn't start due to the reason it's just raining and souring from the last week and his bike is not a modern complicated machinery to deal with the climate change so he just accepted his fate and called his colleague to pick him up at the next junction.

He was just walking up the street thinking about his situation rubbing his hands looking down the pavement like it's some kind of dishonor and found a shiny box where it found like its struggling to glow as the weather was cold it seemed that the box was having a problem in getting a optimum temperature to glow and when Nayan decided to hold it in his hand and the slightly warmer hand seemed to help glow the box a bit higher and what he saw was a brightest light that he witnessed in his ENTIRE LIFE!!!.....

After a few milliseconds of uncertainty all he could see was the bright blue sky and hot breeze wheezing past him at a much higher pace than he expected then he could not believe that he was riding a bike that he dreamed of from the past years, before he can digest all this A BIG HONK!!! a giant truck trying to avoid crashing into him and our protagonist managed to dodge the traffic ahead and started to

ride on the suburban roads and trying to recollect what happened to him and saw that the strange box was glowing in his pocket and seemed to actually work in the perfect manner so he stopped at the side of the road much away from the junction as if his fuel was low and started to examine the box he couldn't find anything and was still in a conclusion that he is still in his dream and got an idea that he would enjoy his ride on his dream bike thinking that he would get up in his normal life and start to ride joyfully and his ride was not any flagship model but a mid-range motorcycle which is actually miles ahead of his motorcycle that he used to commute to his work after travelling for several kilometers he now started to think about the work he has been doing from the past years that he actually didn't like nor he was interested in any shape or form. As he proceeded to stop at the nearby junction at the Signal and got his call from his manager that he is late again to his work which is pretty

much himself even in his dream he thinks and the box just start to vibrate the vehicles around him just start to distort and everything around him start to disappear and the protagonist just confirmed his conclusion that he is in his dream for sure.....

After that same light of uncertainty all he could experience was a tropical breeze travelling in a beach side in his favorite targa top Jeep and he just thought that this strange box just gonna work in his way of OPTIMISM....

Once he got his hold of that strange box and to note that the protagonist still thinks that he is in his dream try to find different worlds with that strange box but getting a level up every time once he would be a manager but he would just get bored After Some Days yes its right after some days then he thought he is not in his Dream anymore... ..

He sat and thought for a While that all these things are Happening just Because of the Box and started to use to that Box to his own prosperities then after travelling through different life's he was just blank and startled he had now become a business man a author a film star even a president for the sake of it he

was just clueless and that's the time the Box glows again and it seems to be glowing with all its might better than EVER BEFORE....

Then he was found in the middle of the road the sky was seemed to be breaking and the truck was breezing past him and his soul just left the body and came back again and there was standing a weird guy who seemed to have a knowledge about all these happenings, as the protagonist was thinking about all these, the words startled from the mouth of the well-known scientist "YOU ARE DEFINETLY NOT IN THE REAL WORLD RIGHT NOW"

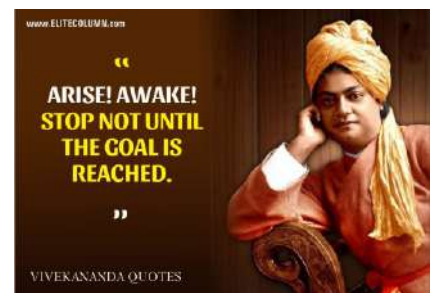
They both started their conversation and the protagonist realized that the box he is holding is his invention of the scientist he is speaking to called RORY, then the rory proceeds to say that "The box I made intentionally changes the 4 kind of predictable ways that the 12 fundamental particles of the universe does..."

But the information in the universe is static and is stored in a medium but you and I have changed the sequence of events a way too much so we have ended up in a UNCERTAINTY the reason he says "ALL HUMANS ARE

BORNEVIL AND ARE JUST WAITING TO EXPLODE BUT IT NEVER HAPPENS BUT ANY SHORTCUTS TO DO SO WILL BE A FATALITY AND WILL BE A TRY BREAKING THE PARADOX WHICH LEADS US TO THE L.O.S.S". the protagonist just breezed past every experience he had for a bright mint of time... ..

Rory continued to say that he found a way out of it and made a kind of imaginary machine in that uncertainty world which they hop on on-board they start to travel at the lightning speed at the end was the pale blue dot and started to enter the atmosphere of the Earth making a hole in the ozone and they hear a loud THUD it was a cosmic ray bust and then the machine and RORY start to fade away as he said UNCERTAINTY... ..

He woke up and turned of his ALARM and saw the time and thought he got up quite early and he checked his pocket there was a strange BOX which was trying to glow in the MILD COLD WEATHER!!!!....



Yoga

OMKAR BN
4AD20EE013
6th Sem, EEE
ATMECE

The literal translation of the word “yoga,” which is from Sanskrit (recognized as the original language of yoga) is “union”.

“We define it as bringing together the mind and the body by use of the breath.”

Many people have come to know the physical benefits of yoga and think of it as a type of workout. But yoga is way more than that. “It’s really an entire lifestyle; the postures are only one piece of it”.

Yoga began in India and has been around for about 5,000 years.

Traditionally, yoga is a system to foster well-being on the physical, mental, emotional, and spiritual levels.

Yoga is now not generally thought of as a set of religious beliefs. It can be practised in a completely secular manner, and it’s practised by people of all faith traditions, as well as



people who are agnostic and atheist, according to the Yoga Alliance.

Yoga is a practice that connects the body, breath, and mind. It uses physical postures, breathing exercises, and meditation to improve overall health. Yoga was developed as a spiritual practice thousands of years ago. Today, most Westerners who do yoga do it for exercise or to reduce stress.

Benefits of Yoga

Yoga can improve your overall fitness level and improve your posture and flexibility. It may also:

- Lower blood pressure
- Help relax
- Improve self-confidence
- Reduce stress
- Improve coordination
- Improve concentration
- Help sleep better
- Aid with digestion

In addition, practising yoga may also help with the following conditions:

- Anxiety
- Backpain
- Depression

Ashtanga Yoga

Ashtanga Yoga (eight limbs of yoga) is Patanjali's classification of classical yoga, as set out in his Yoga Sutras. He defined the eight limbs as yamas (abstinences), niyama (observances), asana (posture), pranayama

(breathing), pratyahara (withdrawal), dharana (concentration), dhyana (meditation) and samadhi (absorption).

Pranayama

Chandranuloma Viloma pranayama : Sit in Sukasana. Do Nasikamudra i.e. fold the tip of the fore-finger inside. Place the thumb on the right nostril, middle finger and ring fingers on the left nostril. Let the little finger be straight.

1. Exhale completely with both the nostrils.
2. Close right nostril and exhale through left nostril. Again inhale and exhale through left nostril (chandranadi) only. Do this eleven times.

Benefits: Cleans the forehead (Frontal sinus). Destroys the disorders of vata. Cures diseases caused by infection. Also increases digestive power, Reduces weight.



Yoga Poses For Men



Greed and Grief

VARUN G RAJ
4AD21EC095

It was a bright day; I was gazing over the dragonflies at the park nearby. The birds chirped loud and sweet, until I woke up on a drowsy dusk and I felt the same as the nature intended. The clock showed up, it was 5.30pm. I could see the air bells dangling, thin sun rays making their way through the window. I heard my mobile buzz. twice. I took a sneaky look, It had a message.

I could sense, as if I was selected to mean it. It stated "Greed and Grief". I was surprised. It took me a couple of seconds to gasp my breath back. Few moments were passed. I got up and gripped my shirt, as I had to reach the railway station by 6.15pm to pick my cousin back home. The station is just a couple of mile so I marched my way to the station. My mind was unhealthy, It had the same thought. Why would the text quote so? I was fixated. My mental condition was disturbed I couldn't watch my

step, until a car honks me at my back. I took control and continued. I was there at the station; it was 5 minutes past 6pm.

I had a few more minutes to go. As I was passing by, the skywalk attracts me. So I decided to have a glance. as I got up, the sunset caught my eyes and I was possessed with good harmony. It was merely a fraction of second the sun was already down.

Later on I realised that I showed up right at the middle of two platforms. Platform 1 to the left and 2 to the right, I was exactly at the centre and I could see it in 2 halves. Not more that a minute my eyes with a keen sight, i was able to see a beggar seated on floor to my left. He was left with despair, helplessness and he was ambitious. I was in the range and I out gazed a wealthy creature well dressed, sealed on one amongst the waiting chairs to my right.

The homeless guys live there in a corner. The shopkeeper next to him owning a bake house gives him some bread each and every day. I could see him counting each rupee to buy his meal and eat hearty.

The pain and agony that he suffers through out his life is unimaginable and that grin on his face as he counts his money says all his helplessness, innocence and Grief. The wealthy guy on the opposite platform was good looking with a stunning suit, well groomed with polished shoes. With his appearance he should have well settled standards of life, living in a lavish house with good comforts. But with all that he is also seen with great essence of supremacy fitting his shirt in and cleaning his spectacles. In no time he takes out his handkey and dusts his shoes leaving the handkey sail away. His head was never found to be bowed once, his supremacy had made him self oriented person who can reach any extent to achieve

his target. A clear sense of selfishness and Greed out shines his success.

Watching all these happenings, my mind popped out clear stating that, helpless people only have ambitions while an affluent has the ability to fulfill his ambition. As soon as I reached this conclusion it was not too long a bird flattered in front of me bringing me back to this world of flowers and

thorns. Just to see the train had already arrived at the station. I ran fast towards the coaches and found him waving at me amid the croud and he was easily spotted.

On our way back home, that message flashed right before my retina. Later I realized whatever I witnessed. For time being I assumed it as my answer, for the thought which had been swirling in my mind.



The very next second I switched my mobile on, but the note had simply vanished. There were no clues of it, i couldn't even remember the identity of the person who had sent me that. Was that anonymous, no answers. But I should be thankful for the message, giving me a perception leaving the root undefined.



**The earth has enough
for every man's need
but not for every
man's greed.**

Mahatma Gandhi



 Wonderful  quote

EFFECTS OF SOCIAL MEDIA ON STUDENTS



*Mrs. Sowmya KN,
Programmer, Dept. of CSE*

'The worlds biggest power is the youth'

Social media has become a significant factor in many students day to day routine. Social media refers to all applications and website or blocks that enable people around the globe to interconnects wired Internet and share content through video call among many other functionalities it offers to its users. Some of the common and widely used social media platforms include Facebook, Twitter, Instagram, Snapchat, Whatsapp and many others. Over the past two decades social media gave gained a lot of fame and growth worldwide. The youth and the teenagers are the leading and the most fanatic of the social platforms. It is to this light that researchers have found that these social sites impact the lives of students in a society a great deal in term of morals behavior and even education.

The use of social media is both negative and positive impacts on the younger generation today. Through social media networks they can create new friendships express their views and opinions and even create new identities. It also exposes students to a whole new way of learning research has shown that students who are frequent users of social medias are more innovative and exhibit better memory by enhancing skills and making a career among others. It enables the students to be aware of dates on the events happening around the globe. It bridges the gap between two people which in turn helps in strengthening relationships. Additionally students can create pages and groups into social media platforms based on professions, and new faith among other dimensions of their lives, The very fact that social media has negative impact is also taken into consideration. This can even lead to social isolation Which

can cause a number of effects such as physical, emotional, mental, and psychological issues in the students.

Social Media Is addictive precisely because? "It gives us something which the real world lacks. It Gives us direction and values as an individuals" says David. His perspective differs from Thornley Dever, who opened who opinions That the Internet is used not just a tool anymore, but as a part of daily makeup almost like oxygen. Discipline goes a long way in protecting our search for sanity.

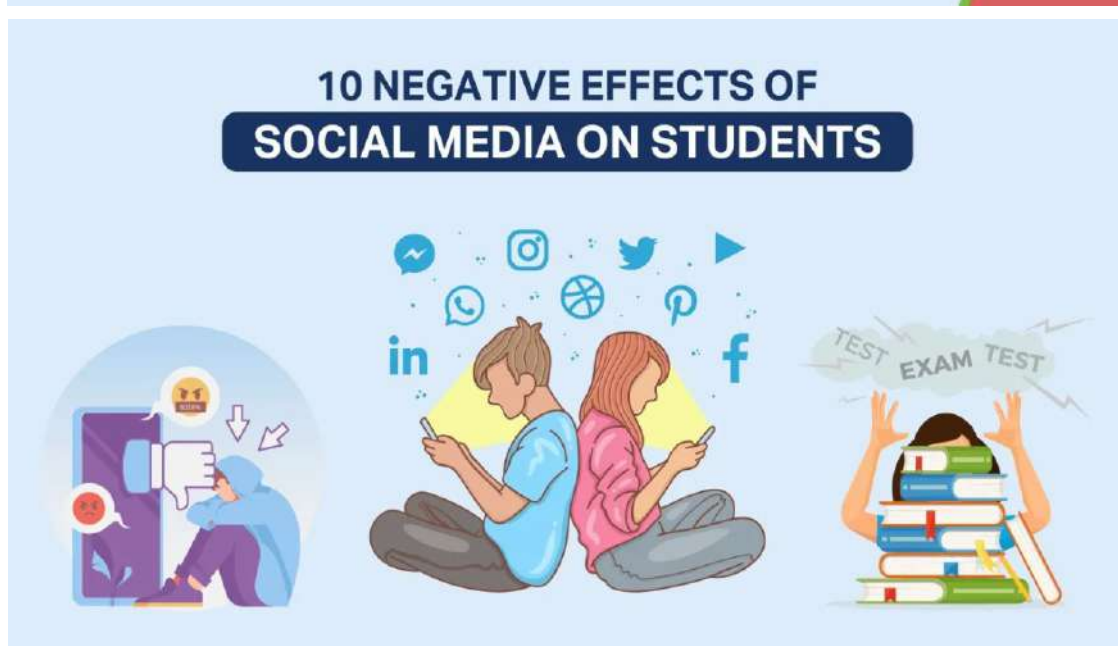
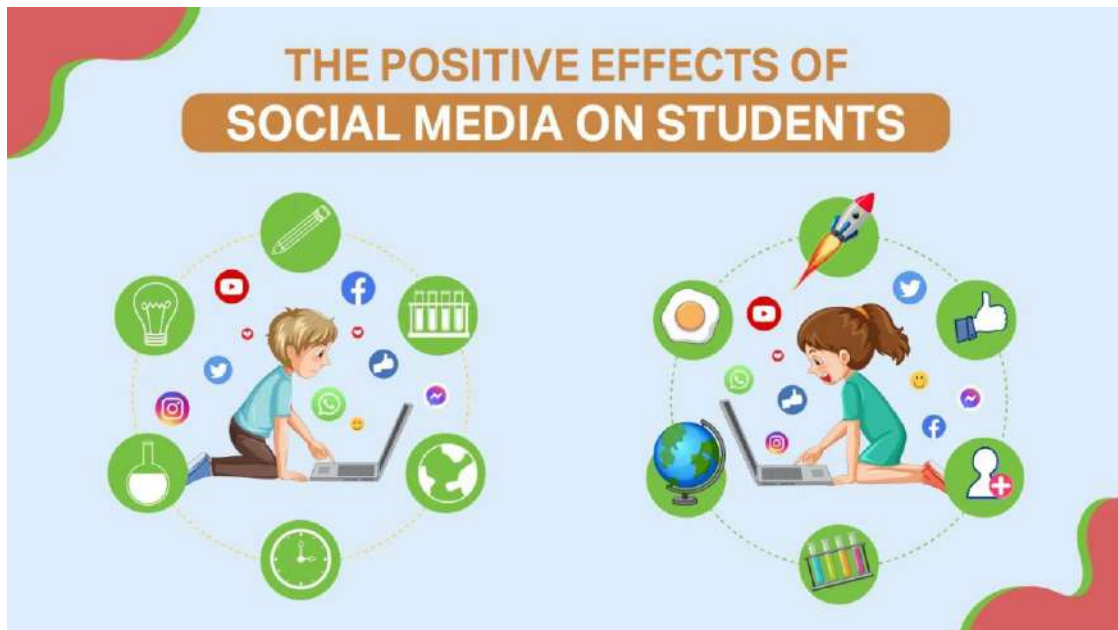
The use of social media leads to depression, anxiety and many other problems. It also leads to misspelling of words and misuse of words and offences through the use of platforms and abbreviations. This says high negative impact more on students because it affects their language capabilities directly and asleep

too. Poor grades in languages. Spending long hours chatting in social media sites also decreases productivity amongst the youth. This in turn cause system not be self dependent and instead depends on their parents and families for recognition and validation.

The longest wasted online on social media will deprive the

students. It also provides a good platform where cyber theft and bullying is done and this increases the chances an incidence of identity theft. It also encourages the spread of wrong information and majority is aimed at painting other people's name; And other groups of interests which harms the relationship. In conclusion, social networking

has been proved to have been proved to have both positive and negative effects on the students. Individual should make use of the social media in a good and profitable way. Social media are tools. Real time is a mindset. Students should set their minds being distracted by social media.



Tom and Jerry

Likitha.M

1st Sem C Section

Tom and Jerry cartoon: A short history of America's favorite Cartoon Team

A couple of mice and a cat. A set of never – ending battles and chases. This is Tom and Jerry or rather it's the story of how two opposing characters became one of the most beloved duos in American Animation history. Tom and Jerry is an American classic that has been entertaining audiences for decades. The ground breaking Animated series won seven academy Awards over the years and created A new standard in Animation Style.

The show's popularity spans several generations and it remains so popular that it runs on multiple television channels across the world this day. The show was such a cultural phenomenon that even people who have never watched A single episode of tom and jerry can reorganize their are familiar characters at first glance.

The Tom and Jerry Cartoon series is created by “William Hanna and Joseph Barbera”, The Cartoon first aired on October 27, 1940, before becoming a Saturday morning staple by 1955. The shows was based on short gag film made in 1937 called puss gets the . The series popularity has led to over a hundred productions since its inception in 1940 including several television specials and direct- to – video features.



The Series developed a fast and energetic tone. The physical appearance of the main protagonist's Tom and Jerry, The second protogonist's evolved over the years. At first Tom was a blue-gray long hair cat, while Jerry was a small brown house mouse. The original theme of the series “A

Cat chases Mouse” , remained the same but Hanna – Barbera Brought up several variation on theme.

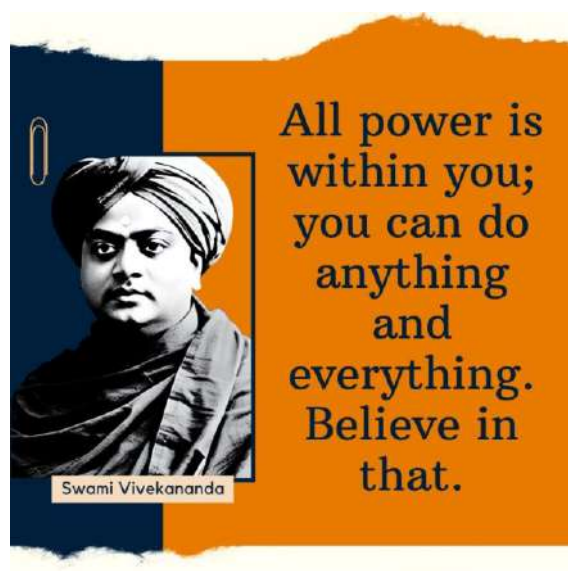
The last shot of Hanna – Barbera and the watchers was released on August 1,1958, after NGM close the Cartoon studios in 1957 , Hanna and Barbera open their own television studio Hanna – Barbera productions and went on to produce various famous television programs and films. Due to the series of their Cartoon show, Tom and Jerry have been a house hold name all around world decades. The popularity of the shows let to many other spin-offs such as video game, Home videos and even merchandise.

As you know that they released video games, Home videos, in 1995? Stop laughing! It was actually pretty good! Now a days we are use to Pixar and Disney creating awesome feature films and shows featuring our favorite characters, but it all started with one Simple...!

Drowning

*Md Fakruddin
1st Sem, F section*

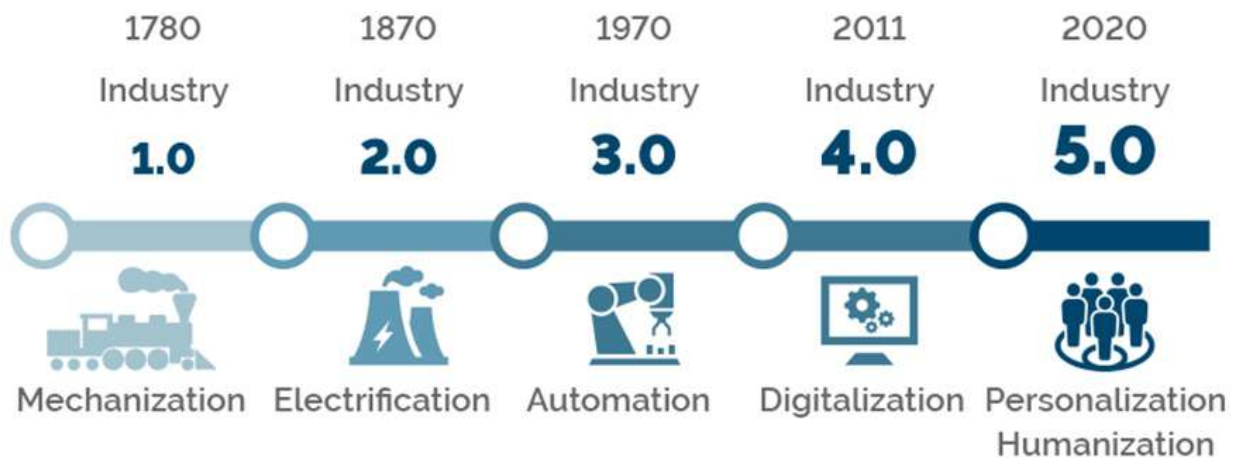
Wishing to be a star in the daylight
Keeping yourself busy trying to ignore a fact
Yet slowly realising that your body is beeping
Beeping so that you'll know that your going deep (again)
And unconsciously you reach the same fate as before
And again wish for a hand of help
But
The very same hand made you go down last time
Is it worthy of being trusted again
Trusting it might save you now, but will increase the possibility of getting u
drowned viciously in the upcoming.
Words come out saying you have no efforts of your own but what do they know
The sweat that is being shoved just to communicate
When your mind is tingling with you with all kinds of dramas
And your eyes show you things that pinch the heart nerves
Then you let and mind and heart tackle each other until the mind brings up a
new scenario
Where again your being called unworthy
But remember the fact that your heart whispers every time
They never deserved you, if they did, your teardrops wouldn't be alive.....



What is Industry 5.0?



Dr. Mohanakumara K C
Assistant professor,
Dept. of Mechanical
Engineering,
ATMECE, Mysuru



Industry 5.0, also referred to as the Fifth Industrial Revolution, represents a burgeoning stage of industrialization characterized by the collaboration of humans with advanced technology and AI-powered robots to optimize workplace processes. This phase emphasizes a human-centric approach, enhanced resilience, and a heightened focus on sustainability. Going beyond the scope of manufacturing, Industry 5.0 builds upon the foundation laid by the fourth industrial revolution (Industry 4.0) and is made possible by advancements in information technology, encompassing elements such

as artificial intelligence, automation, big data analytics, the Internet of Things (IoT), machine learning, robotics, smart systems, and virtualization.

Strategies of Industry 5.0

- **Human-Centric Approach:** In Industry 5.0, there is a strategic shift that recognizes people as genuine assets rather than mere resources. Instead of organizations utilizing human talent solely for competitive advantage and customer value,

Industry 5.0 reorients the focus to generate added value for workers, aiming to attract and retain top talent. This signifies a departure from the notion of people serving organizations to organizations serving people.



- **Resilience:** In the face of global interconnectedness and challenges such as the Covid-19 pandemic and international supply shortages, Industry 5.0 emphasizes resilience. Unlike approaches solely centered on enhancing efficiency and optimizing profits, which may not inherently bolster resilience, Industry 5.0 suggests that a focus on agility and flexibility is essential for organizations to navigate crises effectively. Resilient organizations prioritize anticipating and responding to crises to maintain stability during challenging times, shifting the focus from mere growth, profit, and efficiency.
- **Sustainability:** Industry 5.0 expands the concept of

sustainability beyond merely reducing, minimizing, or mitigating climate damage. It actively pursues positive change, often referred to as 'Net Positive.' This approach aims to position companies as contributors to solutions rather than problems, going beyond superficial adherence to sustainability goals (commonly known as 'greenwashing'). The goal is for companies to play an active role in making the world a better place.

Impact of Industry 5.0

Industry 5.0 is characterized by the collaboration of robots and smart machines alongside human workers, with an emphasis on increased resilience and sustainability. In contrast to the focus of Industry 4.0 on technologies like the Internet of Things and

big data, Industry 5.0 seeks to reintegrate human, environmental, and social considerations into the industrial landscape.

Unlike the trajectory of Industry 4.0, which leaned towards automation, Industry 5.0 is designed to complement the advancements of its predecessor by prioritizing human involvement. This approach acknowledges the importance of human intervention, promoting critical thinking and adaptability. The shift away from excessive automation allows for a balance where humans can play a crucial role when necessary, leveraging the precision and repeatability offered by machines. The overarching goal is to create a harmonious synergy between technology and human capabilities, fostering a more sustainable and resilient industrial ecosystem.



"My master used to say that these names, Hindu, Christian, etc. stand as great bars to all brotherly feelings between man and man. We must try to break them down first. Well, we will have to work hard and must succeed."

Swami Vivekananda

Ramanujan Number - 1729



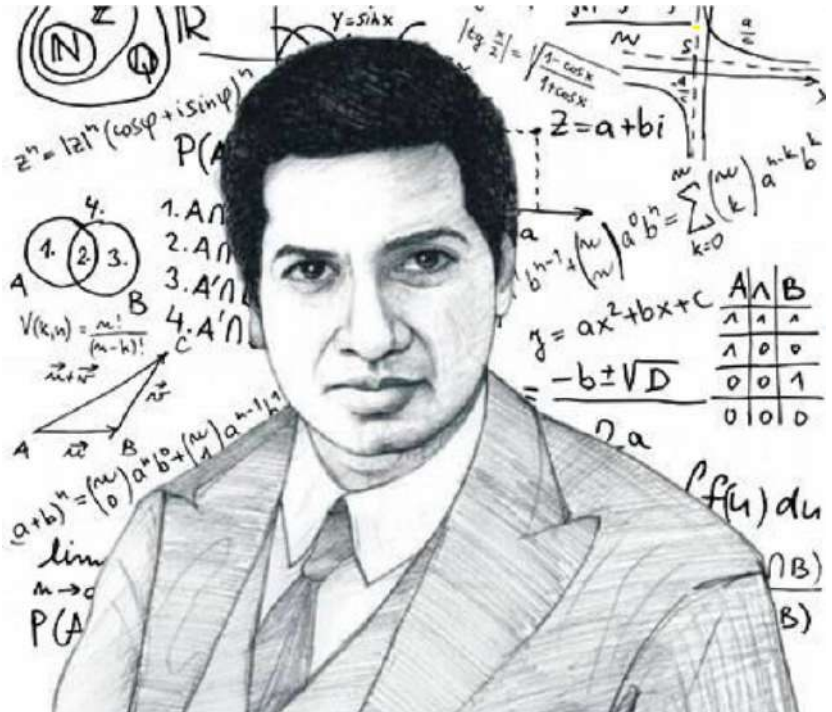
Mr. Nagappa T N
Programmer,
Dept. of CSE
ATMECE, Mysuru

1729 is the smallest nontrivial taxicab number, and is known as the **Hardy–Ramanujan number**, after an anecdote of the British mathematician G. H. Hardy when he visited Indian mathematician **Srinivasa Ramanujan** in hospital. He related their conversation:

I remember once going to see him when he was ill at Putney. I had ridden in taxi cab No. 1729 and remarked that the number seemed to me rather a dull one, and that I hoped it was not an unfavourable omen. "No," he replied, "it is a very interesting number; it is the smallest number expressible as the sum of two cubes in two different ways."



Srinivasa Ramanujan



The two different ways are:

$$1729 = 1^3 + 12^3 = 9^3 + 10^3$$

The quotation is sometimes expressed using the term "positive cubes", since allowing negative perfect cubes (the cube of a negative integer) gives the smallest solution as 91 (which is a divisor of 1729; $19 \times 91 = 1729$).

$$91 = 6^3 + (-5)^3 = 4^3 + 3^3$$

1729 was also found in one of Ramanujan's notebooks dated years before the incident, and

was noted by Frénicle de Bessy in 1657. A commemorative plaque now appears at the site of the Ramanujan-Hardy incident, at 2 Colinette Road in Putney.



G H Hardy

Will of God : Story based on a real life experience



*Mr. Nagappa T N
Programmer,
Dept. of CSE
ATMECE, Mysuru*

A Very Interesting story one must read: Will of God

Extract from Behind the mask, a book by Dr. Subhash Munje, a renowned surgeon, based on a real-life experience

A stunning and immersive experience, worth reading in one breath from beginning to end.

When and in what form, the GURU appears is very difficult to say.

I started my first job at a hospital in Alibaug. Each case provides me new knowledge more than my books. Every patient teaches me something. One afternoon, an injured woman came who was pregnant after 11 years of marriage. A bull roaming around the streets of Alibaug had knocked her stomach with its horn. It was a scary sight with part of the woman's stomach injured, and a baby's hand peeping out of the crack of the uterine wall. My mind was in turmoil. The mother's life could be saved, because the stomach wound was not serious. But to sew up the wall of the uterus was

unthinkable as it was impossible to put the child's hand inside. The family's mandate was clear. Save the mother's life.... But how would I ignore the call of that little hand which appeared to be asking for help..... The operation theatre had a skeleton staff. Apart from me, there were two nurses, a compounder and a helper whose job was to sterilize tools. He was middle-aged and an alcoholic (remained high) but was extremely sincere & efficient in his work for which the entire staff tolerated him. In the OT, I observed that he was standing quietly behind, observing the proceedings. After healing the stomach wound, how do I get that little hand inside was beyond bookish knowledge. It required a very innovative approach. The creator had made the uterine wall so strong, that it cannot be opened easily, and even if he opened it, then the possibility of the birth and survival of the child from seven month pregnancy seemed difficult, and the mother to come to consciousness, was remote? No option came to my mind but to perform surgery. At this point the helper, who was silently watching, all of a sudden came up to me and whispered in my ear, 'Saheb, there is a way that

the hand will automatically move in. I stared at him..... Time was precious. I didn't know why but my inner conscience made me ask him what he had in mind. He said, heat the injection needle and touch the hand, it will immediately go back. Having no other option, I agreed to his suggestion. I prayed God in my heart and asked for a hundred apologies, from that little one and gathered courage and warmed the needle and pricked it lightly. The miracle happened and the hand immediately withdrew back in with a jerk. Further work was easy. I immediately put the strap on, by dressing the uterine wall. For two months of faith in God, I prayed that the child inside would be safe and God above did not disappoint me either. Two months later, the woman safely delivered the baby at the same hospital, and that little baby was smiling right in my hands. I consider that helper as my 'Guru'. His name was Sande. To my mind, I believe that when there is no cure by the books, God shows the path as a Guru in some form or other, as Sande showed me. His valuable tip will not be found in any medical book. In the end, I will say, this is the *Will of God*.

ಕವಿನಾ “ನಲ್ಲ”



ಲಕ್ಷ್ಮಣ್.ಜಿ.ಎನ್.
9900322363

ನೂರು ನೆನಪು ಮೂಡಿದೆ
ನನ್ನ ಕಾಡಿದೆ
ಬಿಡದೆ ಸುರಿವ ಮಳೆಯ ಹಾಗೆ
ಮತ್ತೆ ಮತ್ತೆ ನೆನಪಾಗಿದೆ
ಬಾನಲ್ಲಿ ಮಿನುಗೋ ಚುಕ್ಕೆ ಹಾಗೆ
ತಾರೆಯಂತೆ ನಿನ್ನ ಕಣ್ಣು ಬೆಳೆಕಿದೆ
ಈಗ ತಾನೇ ಅರಳಿ ನಿಂತ
ಗುಲಾಬಿಯು
ನಿನ್ನ ಚೆಂದುಟಿಯ ಬಣ್ಣವಾಗಿದೆ
ಬಾಗಿನಂತ ಕಾಮನಬಿಲ್ಲು
ನಿನ್ನ ಕಣ್ಣು ಹುಬ್ಬು ಕಂಡು ನಾಚಿದೆ
ಕವಿದ ಇರುಳ ಬಣ್ಣವೀಗ
ನಿನ್ನ ಕಣ್ಣು ಕಾಡಿಗೆಯಾಗಿದೆ
ಆಕಾಶದಿ ಅಲೆವ ಕಪ್ಪು ಮೋಡ
ನಾನೇ ನಿನ್ನ ಮುಂಗುರುಳೆಂದು
ಸನ್ನೆ ಮಾಡಿದೆ
ನಿನ್ನ ಕೈ ಬಳೆ ಸದ್ದಿನಲಿ
ಸುಶ್ರಾವ್ಯ ಸಂಗೀತವೇ ತುಂಬಿದೆ
ಹುಣ್ಣಿಮೆಯ ಚಂದಿರನಂತೆ
ನಿನ್ನ ಮೊಗವು ತುಂಬಿ ತುಳುಕಿದೆ
ಸಂಜೆ ಸೂರ್ಯನ ಹೊಳೆವ ಬಣ್ಣವು
ನಿನ್ನ ಹಣೆಯ ಸಿಂಧೂರವಾಗಿದೆ
ಮಾತು ಮಾತಿಗೂ ನಗುವ
ನಿನ್ನ ಮುಂದೆ ಮೌನಕೆಲ್ಲಿ ಬೆಲೆಯಿದೆ
ನಿನ್ನ ಒಲವ ಬೀದಿಯಲಿ
ನನ್ನ ಪಯಣ ಸಾಗಿದೆ



ನಯನ (ಕಣ್ಣು)



ಆರ್.ಭಾರತಿ

ಆಂಧ್ರ ಉಪನ್ಯಾಸಕಿ

ಎ.ಟಿ.ಎಂ.ಇ.ಸಿ.ಇ, ಮೈಸೂರು

ನೀನಿಲ್ಲದೆ ನಾನು ಇಲ್ಲ ಯಾರು ಇಲ್ಲ
ಏಕೆಂದರೆ ನೀನೇ ನಮಗೆ ದಾರಿದೀಪ
ನಿನ್ನಿಂದ ನಮಗೆಲ್ಲಾ ತಿಳಿಯುವುದು ಈ ಜಗದ ವೈಖರಿ
ನಿನ್ನಿಂದ ನಿಮಿರುವುದು ತನು ಮನವೆಲ್ಲಾ
ಈ ಜಗದ ಸೌಂದರ್ಯ ನೋಡಿ

ನೀಲಾಕಾಶವ ನೋಡಿ ತಣಿಯುವುದು ಈ ನಯನ
ಆ ನಿನ್ನದೆ ಕಾಮನ ಬಲ್ಲಿನ ಚಿತ್ತಾರ ನೋಡಿ
ನೀನಿಲ್ಲದೆ ಇಲ್ಲ ಈ ಪುಷ್ಪಗಳ ಚಿತ್ತಾರ ಹಾಗೂ ಬಣ್ಣ
ನೀನಿಲ್ಲದೆ ನನಗೆ ತಿಳಿಯದು ಈ ಸಂತೆಯ ಚಿತ್ತಾರದ ಆಟ
ಪ್ರತಿ ನೋಟದಲ್ಲಿ ಮೂಡುವುದು ಬಣ್ಣ ಬಣ್ಣದ ರಂಗೋಲಿ

ನೀ ಇರುವುದು ಬರಿ ಕಪ್ಪು ಬಿಳುಪು ಆದರೆ
ನೀ ಮೂಡಿಸುವೆ ನಮಗೆ ಎಲ್ಲಾ ಆಕಾರ, ಬಣ್ಣ
ವೈಖರಿಯ ಚಿತ್ತಾರದ ಸೊಬಗು
ನಿನಗೆ ನನ್ನ ಹೃದಯಾಳದ ಶತಕೋಟಿ ನಮಸ್ಕಾರಗಳು
ಓ ನಯನ ಓ ನಯನ

Annual Cultural fest ATMEya-2023

“Protecting the Lives of Life Savers”

ATMEya is the annual college cultural fest that ATME has been organizing since the Inception of this college from 2010. The students, staff and Management of this institution have repeatedly established standards which have been constantly beaten in the consecutive years. ATMEya has been based on a wide array of themes - from Traffic Awareness, Amar Jawan to Lead the Blind and Arise-Awake-Adopt Orphans. This year ATMEya is based on the theme Protecting the Lives of Life Savers held on 24th and 25th March 2023.

To mark the beginning of the college annual fest the official logo launch of ATMEya-2023 was held at 06.30 PM on 09 May 2022 followed by Dollu kunitha and Lantern Lighting. The official logo was unveiled by Chief Guest Mr. Shivshankar, Secretary. Dr. Basavaraj L, Principal, Dr. Sachidanandamurthy K L, Administrative Officer and Dr. Yathisha L, Cultural Committee Chairman, Deans, HoD's and staffs were present during the event.



On Account of Atmeya 23, NSS unit of ATMECE in association with Lions Blood Centre Jeevadhara, organized BLOOD DONATION CAMP for students and staffs of ATMECE on 14th March 2023 from 09.30 AM to 04.00 PM. With the quotation “Once a blood Donor, Always a life saver”.

Blood donation is a gesture of goodwill and blood donation can save the lives of people in need. 110 Donors including staffs and students donated blood and made this event successful.



In connection to college annual fest ATMEya- 2023, ATME organized Marathon-Run to Protect the lives of Life savers on 19th March 2023 .

The marathon was organized from Kote Anjeneya Temple and was inaugurated by Mayor of Mysuru City Corporation, Mr. Shivakumar. The ret'd. Deputy forest Reserve officer, Mr. S. N. Devaraju was also present. The secretary of ATME Trust, Mr. Shivashankar, Treasurer R. Veeresh, Member Venkatesh H, Administrative Officer Dr. Sacchidananda Murthy K L, Principal Dr. L. Basavaraj were present in the event.

The marathon comprised of 5.3 kilometer starting from Kote Anjeneya Temple, running along Clock Circle, sayyaji Rao Road, Devaraj Urs Road, JLB Road, Ramaswmy circle, Double road, Gun House, Hording circle and finally reaching the destination of Kote Anjeneya Temple making one complete circle. Around 600+ students participated in the Marathon.



Bike Stunt Show was organized as part of ATMEYA-2023.



On account of Atmeya 2k23, Inter collegiate Volleyball tournament was held. 15 teams from various Mysuru region colleges had participate



On account of Atmeya 23, Inter collegiate Kabaddi tournament was held. 8 teams from various Mysuru region colleges had participated.



ATMEYA-2022 was officially inaugurated on 24th March 2023. On the occasion Miss karnataka Tanishka Murthy and Range forest officer Mr. Ashok and Forest Front line workers were felicitated.



Post inaugural Ceremony Raghu Dixit and Team gave musical performance



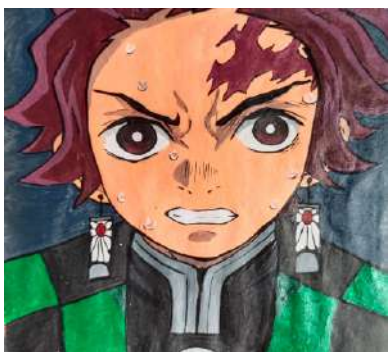
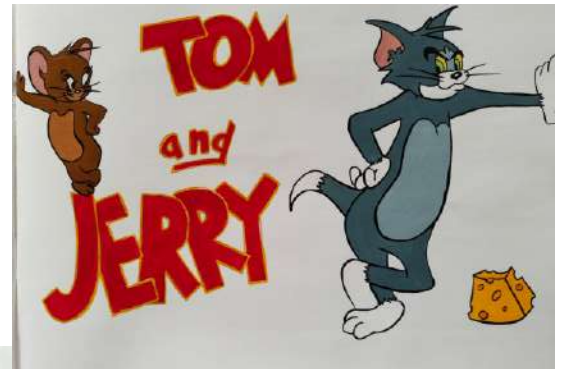
On 25th March, Gicchi Gili Gili team performed the comedy show.



Glimpses of Atmeya 2023



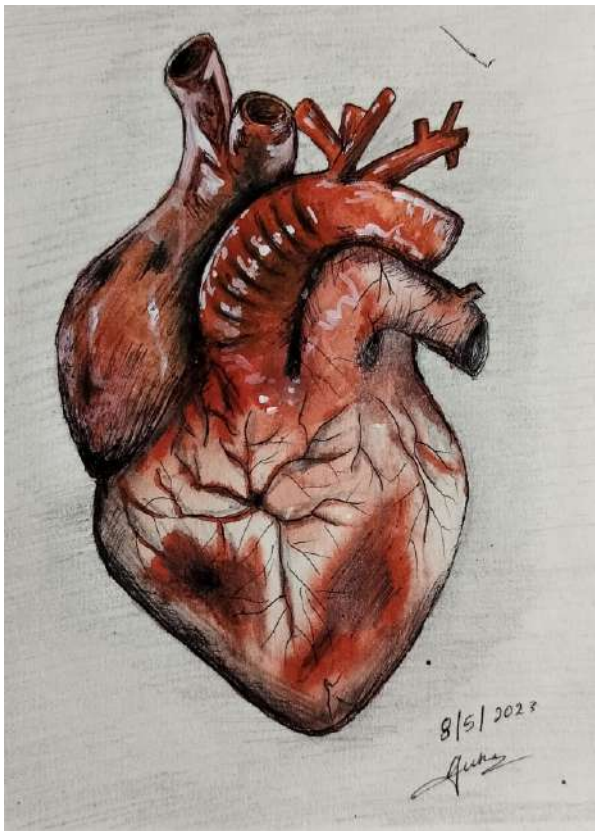
Photos
Sketches
Paintings
&
Creative Arts



Delphina Jerusha
6th Sem, ECE



Dhanush



Geetha Bai
ECE
A Section
1st Sem

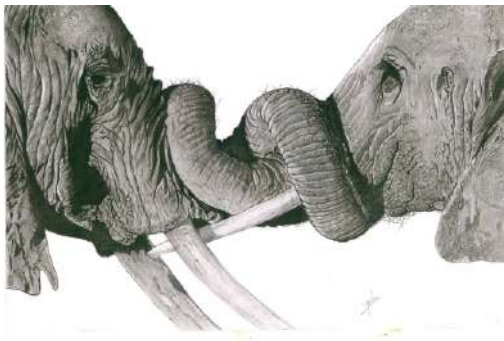


K S Gokul Suresh
3rd Semester, ECE



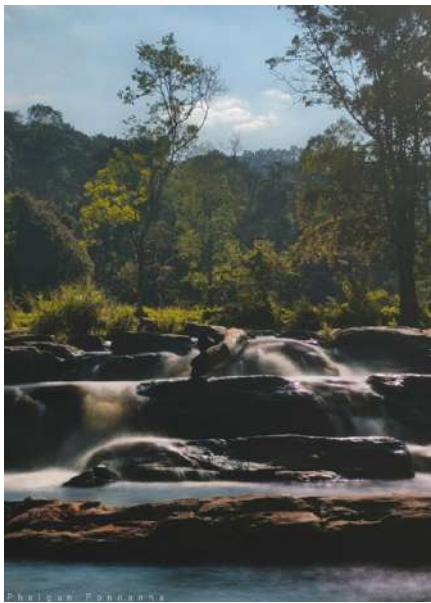


Kusum C
1st Sem
A Section



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CSE
B Section

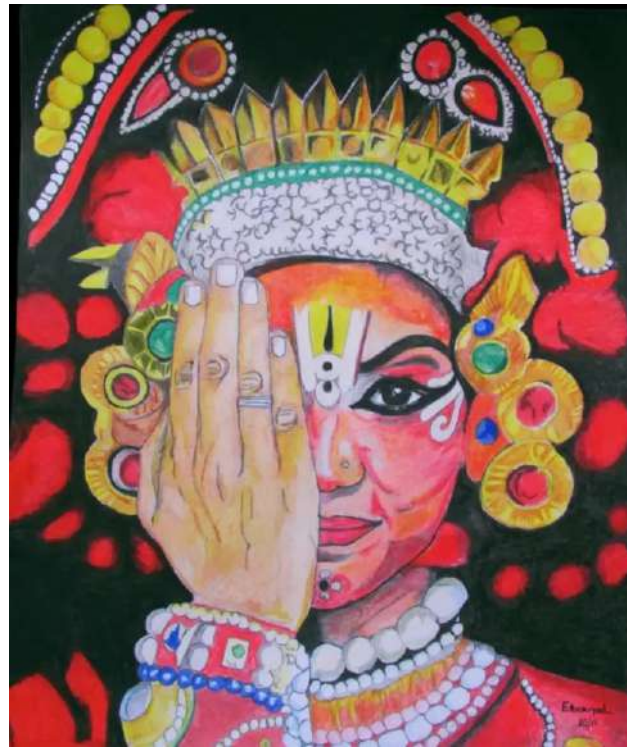
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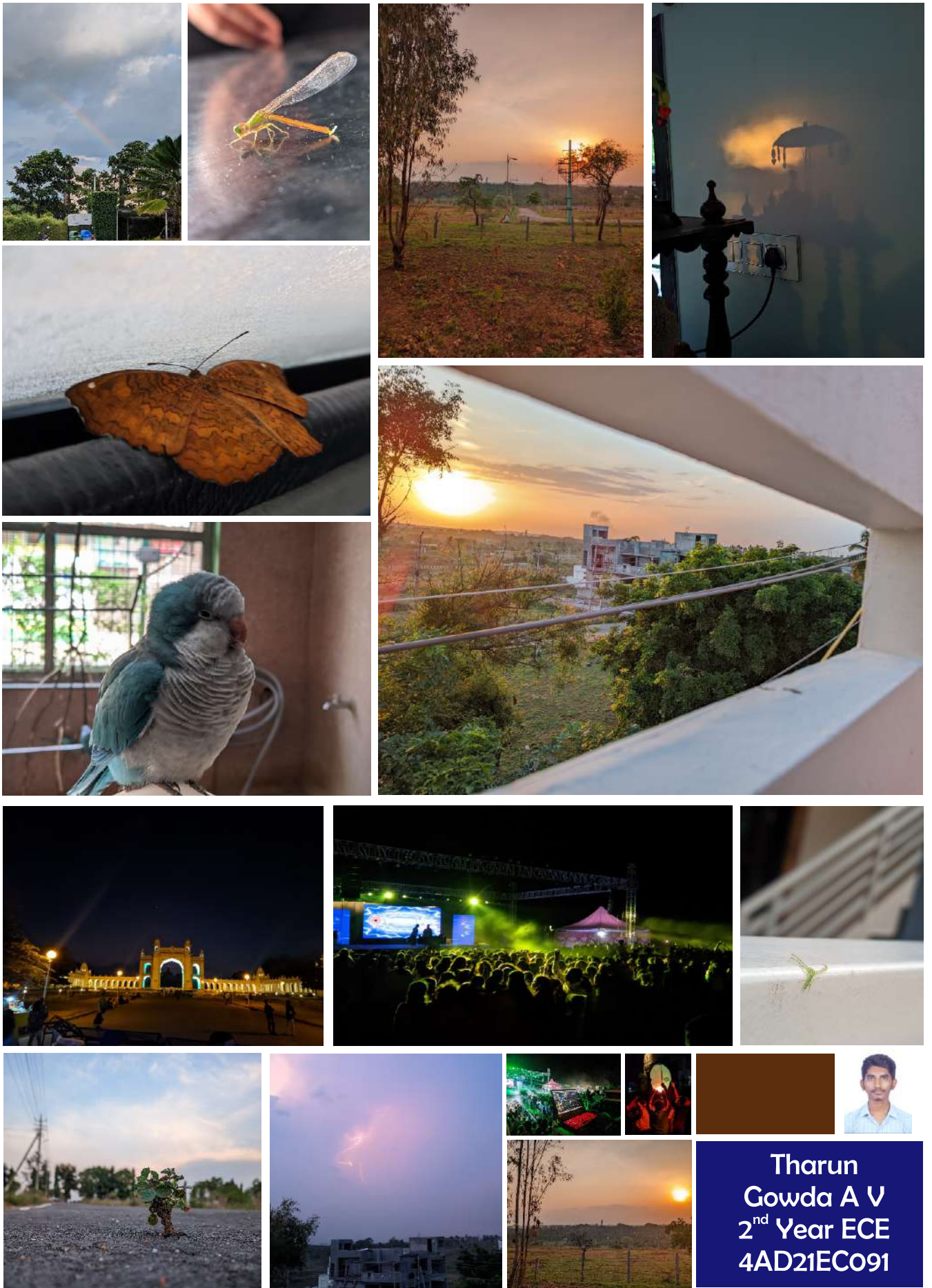
Likhita N
ECE, 6th Sem





VARUN G RAJ
4AD21EC095





Tharun
 Gowda A V
 2nd Year ECE
 4AD21ECO91



Vigneshwaran
4AD21CS112



Vigneshwaran
4AD21CS112

Report on 6th Alumni Reunion

The concept of alumni association evolved for needs from both the academicians and professionals, in the aim of building a bridge between college life and career life, so that the fresher graduates are made proactive to face the current challenges of competitive professional world. Both the ends shall work hand in hand to help each other for achieving the goal. The idea took shape and formation of Alumni Association turned into reality.

The ATME College of Engineering Alumni Association® organized 6th Alumni Reunion on 21st January 2023. The event was scheduled from 11:30 onwards.

The registration link was shared to all the alumnus around 170 registrations were confirmed and 90 alumnus were present for the day.

Reunion started with the MoC by 3rd sem students Ms. Charitha Deepak, Dept of CSDS, ATMECE & Ms. Harshitha L, Dept. of CSE, ATMECE, Mysuru. Invocation song by Ms. Vaishnavi A, 5th sem, Dept. of CSE, ATMECE, Mysuru. Dr. Puttegowda D, Alumni Association Secretary welcomed the gathering.

Dr. Puttegowda D, Secretary, ATMECE Alumni Association, welcomed the dignitaries and introduced all the office bearers of Alumni Association. He elaborated the objectives of Alumni Association.



Lighting the lamp by the dignitaries



Introduction on ATME Alumni Association members by Ms. Yashaswini B R, 3rd sem, Dept. of CSD



Dr. Deepu R, Head, Dept. of CG & P, ATMECE giving brief overview on Placements Activities

Dr. Basavaraj L, Principal, ATMECE, Mysuru was the chief guest for the reunion welcoming all the alumnus and staffs of the department. He was happy to inform ATMECE is accredited with A+ in NAAC, first college in Mysore to get that accreditation. Sir gave brief overview on funding's and new programmes added in 2021. He was happy to share the achievement of the college such as DST sanctioned projects. Sir continued the talk on Incubation centers and approached Alumnus to



Dr. Basavaraj L, Principal, ATMECE addressing the alumni



Cultural Performance by the students



Mr. Shashank S, President, ATMECE Alumni Association delivering the presidential address

Mr. Shashank S, President, ATMECE Alumni Association, delivered presidential address. He welcomed all the dignitaries present in the reunion. He thanked the management and college for the opportunity given to him as a President of Alumni Association. He also shared his future insights for Alumni Association. He encouraged the entire fellow alumnus to take initiative to share their experience, demands and concerns for the development of the college. He also stated that the

prime responsibility for alumnus is to contribute to the evolution of the College. He ended with a note stating this Alumni Association is set up by the Alumni's, for the Alumni's & to the Alumni's.

Mrs. Kavyashree E D, Alumni, Faculty Coordinator rendered vote of thanks and the event was concluded around 02:00 pm.

Alumni interacted with the students of the respective department post lunch.





College Office
ATME College of Engineering
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