



A T M E
College of Engineering



Electrical & Electronics Engineering



INSPIRE

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Prof & Head,
Dept. of EEE ATMECE, Mysuru

EDITORIAL DESK

This newsletter provides a proper platform to students and faculty to exhibit their creative talents. It is becoming a need to motivate the student's community in technical Institutions to be exposed to additional knowledge over and above those in prescribed curriculum in order to provide them an opportunity to professionally mature at faster rate. I congratulate all the students and faculty and who have contributed their valuable creations for publication in this issue. I also take this opportunity to appreciate the strenuous effort made by the editorial to bring out the newsletter. I convey my good wishes to all the readers and wish them a happy and enjoyable reading

CO-EDITOR



Mrs. Swathi C A
Assistant Professor Dept. of Electrical & Electronics Engineering
ATME College of Engineering Mysuru

CONTENTS

1. Editorial Desk
2. Key Milestones
3. About the Department
4. Department Activities
5. Faculty Achievements
6. Student Activities
7. Student achievements

KEY MILESTONES

- Ms. Safeena Shazia Secured **8th Rank** in University with an average score of 84.55%
- **NAAC A+** grade Accreditation in the first cycle.
- **National Board of Accreditation** (2025-2028)
- **AICTE-MODROB Funding** for Cyber security in Power Systems
- **Funding from KTECH-NAIN** for Project Portable Baby Incubator with Sleep Apnea Monitoring for Premature Infants
- **Best Student Project** under Karnataka State Council for Science and Technology (KSCST) for 4 Consecutive Years
- Financial Assistance for student Projects by VTU and KSCST.
- 98% and above Results in previous Seven Graduating batches.
- **Inter Institute Project Winners** Toycathon Semi-finalists, IIC-MHRD proposal, IICDC-DST participation etc.
- University level sports representation with **gold medal**.
- **Average Placement:** 70 % and above
- **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.

Social Media Platforms

YouTube: <https://www.youtube.com/@ATMECEOfficial>

LinkedIn: <https://www.linkedin.com/school/atme-college-of-engineering>

Facebook: <https://www.facebook.com/atmeceofficial/>

Instagram: <https://www.instagram.com/atmeceofficial/>



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 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 Karnataka German Technical Technological Institute, Vidyut Automation, Innovaskill Technologies, Xponential orbit shifters, which provide Domain Specific Training in the area of Industrial Automation and Embedded system design. This enables the students to exhibit their technical skills in the field of Automation and Embedded system design.

Affiliation



Accreditation



Vision of the College

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

Vision of the Department

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

Mission of the College

- 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 torch-bearers of tomorrow's society.
- To strive to attain ever-higher benchmarks of educational excellence

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.

Program Educational Objectives (PEO's)

- **PEO1:** To produce competent and ethical Electrical and Electronics Engineers who will exhibit the necessary technical and managerial skills to perform their duties in society.
- **PEO2:** To make graduates continuously acquire and enhance their technical and socio-economic skills.
- **PEO3:** To aspire graduates on R&D activities leading to offering solutions and excel in various career paths.
- **PEO4:** To produce quality engineers who have the capability to work in teams and contribute to real time projects.

Program Specific Outcomes (PSO's)

- **PSO1:** Apply the concepts of Electrical & Electronics Engineering to evaluate the performance of power systems and also to control industrial drives using power electronics.
- **PSO2:** Demonstrate the concepts of process control for Industrial Automation, design models for environmental and social concerns and also exhibit continuous self-learning.

Department Activities

A. Faculty Activities

A.1 Faculty Development Programme, AY 2025-26

SL. No.	Name of the Faculty	Title	Date	Organized by
1 2	Ms. Swathi C A Ms. Maria Sushma S	One Week Faculty Development Program on "AI and Cybersecurity for a sustainable future: Innovation in health, Agriculture and smart cities	5 th Jan to 9 th Jan 2026	Department of Computer Science and Engineering in Association with Electronics and ICT Academy IIT Guwahati, Global Academy of Technology, Bangalore
3 4	Mr. Shreeshayana R Ms. Swapna	5 Day PCB Training at Bannari Amman Institute of Technology, Tamil Nadu	13 th Oct to 17 th Oct 2025	Bannari Amman Institute of Technology, Tamil Nadu
5 6 7 8 9 10	Dr. Raghavendra L Dr. Sathish K R Dr. Shakunthala C Dr. Praveen Kumar M Mr. Mohan M Ms.Kavyashree S	AICTE QIP on "Cyber Security" at IIIT Dharwad. (Session - 2)	8 th Dec to 20 th Dec 2025	IIIT Dharwad

A.2 MOOC Certifications

SL. No.	Faculty Member	Course Title	Platform	Duration
1	Dr. Raghavendra L	Swayam NPTEL Course on "Cyber Security and Privacy" and Swayam NPTEL Course on "Cloud Computing"	NPTEL	12 Weeks July-Oct 2025
2	Dr. Sathish K R			
3	Dr. Shakunthala C			
4	Ms. MariaSushma S			
5	Ms. Swathi CA			
6	Ms. Kavyashree S			

A.3 Publications Details: Scopus Indexed/Google Scholar Journals

SL. No.	Author	Paper Title	Conference/ Journal Details	Indexing
1	Dr. Raghavendra L	Predicting material properties in AlSi12Mg alloy additive manufacturing using KNN and ANN machine learning techniques	International Journal on Interactive Design and Manufacturing (IJIDeM)	Scopus
		Modeling and Positioning D-STATCOM Using an Analytical Method Based on a Multi-objective Function to Enhance Microgrid Power Quality	Journal of The Institution of Engineers (India): Series B	Scopus
2	Dr Sathish K R	Review on optimal planning and operation of charging stations for electric vehicles	International Journal of Applied Power Engineering (IJAPE)	Scopus
		Power quality enhancement using dual-strategy spider wasp optimization algorithm in photovoltaic systems	International Journal of Applied Mathematics	Scopus
		Wireless Charging Station for Electric Vehicles using Solar Energy	International Conference	Scopus
3	Dr. Praveen Kumar M	Structural engineering of EuAl ₂ O ₄ nanoparticles for advanced electrochemical dopamine electrochemical sensor	Microchemical Journal	Scopus
4	Ms. Swathi C A	Kinematic and Dynamic Control of a 6-DoF Robot Using MATLAB and Python	2 nd International Conference ICVTTS at CHRIST, Bengaluru	IEEE
5	Ms. Kavyashree S	An Intelligent SIoT Trust Classification and Prediction Model using Skip- GRU-Attention and Feed-Forward Network	Engineering Report open Access	Scopus
		Power Quality enhancement using Dual- Strategy Spider WASP Optimization Algorithm in Photovoltaic Systems	International Journal of Applied Mathematics	IEEE
6	Mr. Shreeshayana R	Advanced Malware Detection Methods for Polymorphic Virus Identification	5th International Conference on Communication, Computing & Industry 6.0 (C2I6)	Scopus
		Towards Accurate Glioma Segmentation: A Modified HTTU-Net with Multi-Scale Feature Encoding	5th Asian Conference on Innovation in Technology (ASIANCON)	

7	Ms. Swapna H	Urban Sound Classification with Convolutional Neural Network	2024 International Conference on Integrated Intelligence and Communication Systems (ICIICS)	Scopus
		Challenges and Opportunities in Streaming Data for Quantum Encryption	2nd International Conference on Innovations in High Speed Communication and Signal Processing (IHCSP)	Scopus
8	Ms. Swathi C A	E-Trike Cycle	International Journal of Innovative Research in Technology (IJIRT), Volume 12, Issue 4, ISSN: 2349-6002	UGC Care
9	Ms. Kavyashree S Ms. Swathi C A	Real Time Monitoring using IoT Technology	International Research Journal of Engineering and Technology	UGC Care
10	Ms. Maria Sushma S	Design and Analysis of a 150W Audio Power Amplifier using IC 4122 with Comparative Performance Evaluation	International Journal of Computer Techniques-IJCT	UGC Care

A.4 Research Centre Details

The program has a Research Centre, to pursue Ph.D. The program has registered supervisors under VTU. Research supervisors are responsible for guiding and monitoring the progress of research scholars pursuing Ph.D. or Integrated Ph.D. programs.

Research Centre	Research Supervisor Name
Electrical and Electronics Engineering	Dr.Parthasarathy L
	Dr.Shakunthala C
	Dr.Sathish K R
	Dr. Vinod Kumar P
	Dr. Praveen Kumar M

A.5 Faculty Achievements AY 2025–26

SL. No.	Year	Activities	Name of the faculty
1	Sep-23	BoE. Member, PESCE Mandya	Dr. Parthasarathy L
2	Jun-23	BoS. SJCE, Mysuru	Dr. Parthasarathy L
3	Oct-25	Ph.D Awarded by VTU	Dr. Raghavendra L
4	Nov-25	Best Performance Department of the Year for AY 2023-24	All Staff of Department of EEE
5	Nov-25	NITTTR – All Modules Completed	Dr. Sathish K R
6	Oct-25	Awareness Program on Prior Art Search and Patent Drafting, ATMECE, Mysuru	Mr. Shreeshayana R
7	Sep-25	Course Coordinators for the Course Basic Electrical and Electronics Engineering at Central University, Andhra Pradesh (Virtual)	Dr. Raghavendra L Dr. Sathish K R Mr. Shreeshayana R
8	Oct-25	Reviewer for the International Conference on Emerging Technologies in Electronics and Green Energy (ICETEG –2025)	Dr. Sathish K R Dr. Praveen Kumar M

A.6 Patent Details

SL. No.	Author	Paper Title	Patent application no	Status
1	Dr. Shakunthala C	Integrated Portable Ventilation and Multi-Parameter Vital Sign Monitoring System with Adaptive Closed-Loop Control	202541122458 A	Published
2	Dr. Sathish K R	System and Method for 3D Printing Using Recycled Polymer Filament	202541122459 A	Published
3	Mr. Shreeshayana R	A Myoelectric Prosthetic Arm Utilizing Enhanced EMG Acquisition and Multi-Axis Servo Motion Control	202541122460 A	Published
4	Ms. Maria Sushma S	Automated Book Digitization Apparatus with Page-Turning Mechanism	202541122523 A	Published
5	Ms.Swapna H	Adaptive Saffron Aeroponic Chamber with Multi-Parameter Climate Optimization	202541122549 A	Published
6	Dr. Praveen Kumar M	Automated Waste Segregation Solution for Efficient Urban Domestic Waste Management	202541122522 A	Published
7	Ms. Maria Sushma S Dr. Sathish K R Ms. Kavyashree S Ms. Swathi C A	Cyber Physical Botnet detection and response system	478184001	Grant

B. Student Activities

B.1 Domain Specific Training

Academic Year	Training Level (DST)	Semester	Duration	No. of Students	Training Institute	Resource Person
2025-26	Embedded System Design, Level-4	VII	50	41	Innovaskills, bengaluru	Mr. Ravi CEO & Founder
2025-26	Industrial Automation, Level-4	VII	50	24	KGTTI, Mysuru	Mr. Chandrashekar P Senior Engineer
2025-26	Embedded System Design, Level-2	VI	50	21	Innovaskills, bengaluru	Ms. Fathima Reenu Software Developer
2025-26	Industrial Automation, Level-2	VI	50	38	KGTTI, Mysuru	Mr. vishwanathan P Engineer

B.2 Preplacement Training AY 2025-26

Academic Year	Training Duration	Semester	No. of Students	Training Institute/ Vendor
2025-26	12 days (with break from 23 rd Sep to 16 th Oct)	III	56	Avinya Tecknows
2025-26	12 days (11 th Oct to 1 st Sept)	VII	65	Genesis

B.3 Workshop

SL. No.	Date	Name of the Activity	Association	Batch	No of Participants
1	12-12-25 to 13-12-25	Handson 2 Days Workshop on "Crafting Mini projects with General purpose PCBs and Self-Soldering" in association with ISTE student Branch	ISTE	2024-28	55
2	20-11-25 to 22-11-25	Handson 3 Days Workshop on "Electrical Switchgear, Protection and its Applications" in Association with IEL.	IEL	2022-26	65
3	16-08-25	Overhauling of Transformer 250kVA at ATMECE Campus	Quantum	2022-26	65

SL. No.	Date	Name of the Activity	Professional Society/ Association	Batch	No of Participants
1	03.12.2025	Automation and Design Engineering	Quantum	2024-28	50 Students

Technical talk on 'Automation and Design Engineering'

The Department of Electrical Engineering at ATME College of Engineering (ATMECE) organized a Technical Talk on 3rd December 2025 for 3rd semester students, delivered by Mr. Vishwanathan P Nayak and Mr. Chandrashekar, Engineers at KGTTI, Mysuru. Drawing from their rich industrial experience, the speakers provided practical insights into automation systems, design engineering, and skill-oriented technical training. The session highlighted various career paths for Electrical and Electronics Engineering graduates, including Automation Engineer, PLC Programmer, Robotics Engineer, Design Engineer, CAD/CAM Engineer, and Maintenance Engineer, emphasizing the importance of practical exposure alongside theoretical knowledge.

The resource persons discussed the growing role of automation, robotics, artificial intelligence, and smart manufacturing under Industry 4.0, stressing the need for engineers to stay updated with emerging technologies. Real-time industrial case studies helped students understand the practical application of electrical and electronics concepts in modern industries. The interactive session encouraged students to focus on hands-on training, industry-relevant certifications, and continuous skill upgradation. Overall, the technical talk significantly enhanced students' awareness of future trends, industrial expectations, and career opportunities in the field of Electrical and Electronics Engineering.



Snapshot: Resource Person Mr. Chandrasekhar P during the session with students

B.5 Student Achievements

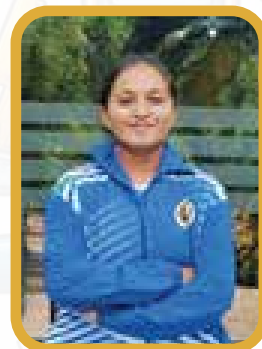
SL. No.	Date(s)	Event Name & Organizer	Participants	Remarks
1	20.12.2025	VTU SamShoDhana Program (Visvesvaraya Technological University Research & Innovation Foundation)	1. Swathi B V-4AD24EE037 2. Saraha S R-4AD24EE040 3. Manha Mehreen A-4AD24EE015 4. Kushal P -4AD25EE403 5. Brunda K S-4AD24EE005 6. Pavan H S-4AD24EE023 7. Harshitha M-4AD24EE009 8. Aishwarya R M-4AD24EE001 9. Ram Charan Tej-4AD24EE026 10. Thanu S P-4AD24EE029 11. Prashanth M- 4AD25EE409 12. Amulya C-4AD24EE002 13. Namratha N M-4AD24EE021 14. Shravanthi V-4AD24EE042 15. Syed Musaddiq-4AD24EE038 16. Manya-4AD24EE016 17. Shwetha-4AD24EE033 18. Monika H M-4AD24EE020 19. Sanika K-4AD24EE027 20. Nischitha S-4AD24EE020	Participated. 2 Teams have submitted Proposals to VTU Samshodhana Portal. 8 Students have completed Interacting with AI Course (IBM SkillBuild) Remaining 2 Teams in the process of submitting proposal.

2	15.12.2025	Karnataka State Council for Science & Technology-49th Series	14 Teams from Batch:2022-26 (Final Year)	Proposal Submitted
3	28-11-2025	International Conference on Cybernetics, Cognition and Machine Learning Applications (IC3MLA-2025), Don Bosco Institute of Technology, Bengaluru	1. Gagan Kirthi P N-4AD22EE020 2. Ulhas Joshi-4AD23EE413	Presented Paper
4	29.09.2025	Smart India Hackathon-2025	1. Gagan Kirthi P N-4AD22EE020 2. Ulhas Joshi-4AD23EE413 3. Dhanuvidyashree-4AD22EE017 4. Rakshitha A M-4AD22EE041 5. Sanjana B R-4AD22EE044 6. Sanajana B-4AD22EE043 7. Manoj M N-4AD23EE016 8. Amrutha S -4AD23EE001 9. Bharathi B N-4AD23EE007 10. Manisha P Gowda-4AD23EE014 11. Nagashree P-4AD23EE024 12. Dhruva Tej P N-4AD24EE405 13. Meghana M R-4AD23EE019 14. Lakshmisha M-4AD24EE408 15. Impana K P-4AD23EE001 16. Suma S Rolli-4AD23EE042 17. Deekshith U-4AD24EE404 18. Ujwal V-4AD24EE420	Participated
5	04-12-25 to 05-12-25	TECH NOVA Tech Fest organised by Dept. of CSE- AIML in association with IET at ATMECE, Mysuru	1. Swathi B V - 4AD24EE037 2. Brunda K S - 4AD24EE005 3. Shravanthi V - 4AD24EE042 4. Shweta - 4AD24EE033	Second Prize received cash prize of Rs. 1000/-
6	20-11-25 to 21-11-25	24 Hour State Level Hackathon - PRAYOG -2025 at VVCE, Mysuru	1. Amrutha S - 4AD23EE001 2. Bharathi B N - 4AD23EE007 3. Manisha P Gowda-4AD23EE014	Participated

7	19-11-2025	IDEATHON organised by Dept. of CSE at ATMECE, Mysuru	1. Swathi B V – 4AD24EE037 2. Ramcharan – 4AD24EE026 3. Nischitha S – 4AD24EE022 4. Aishwarya R M – 4AD24EE001 5. Harshitha M – 4AD24EE009 6. Saraha S R – 4AD24EE030 7. Md. Furqan – 4AD24EE017 8. Kushal P – 4AD25EE403	Participated
8	10-11-25 to 15-11-25	Boot Camp Workshop on Hardware Security at VTU, Belagavi	1. Anusha H G – 4AD22EE006 2. Bhavana R – 4AD22EE008 3. C Dhanush – 4AD22EE009 4. Chandu N – 4AD22EE012 5. Darshan L R – 4AD23EE402 6. Druthi S – 4AD22EE019 7. Harshith A P – 4AD22EE023 8. Lakshmi K – 4AD22EE027 9. Likhitha B M – 4AD22EE028 10. Nagasundara D – 4AD23EE405 11. NAVEEN J S – 4AD22EE037 12. SANJAY K – 4AD23EE406 13. SANJAY S – 4AD23EE407 14. SNEHA M – – 4AD22EE046 15. Trisha G – 4AD23EE412 16. Manoj G – 4AD23EE015 17. Basavaraju M N – 4AD23EE006 18. Manu S R – 4AD23EE018 19. Md. Arbaan – 4AD23EE022 20. Md. Rumaan – 4AD23EE023	Participated

B.6 Sports

Ms. Ankitha A P has won Gold Medal in Javelin Throw at MCICT Inter-Collegiate Athletic Championship for the year 2025-26 organized by Teresian College and Govt. First College, Siddhartha Nagar, Mysuru on 6th Oct2025 at Oval Grounds, Mysuru



Ankitha A P
4AD24EE003

B.7 Placement Report of Batch 2022-26

Sl. No.	Name	Company	Package	Photo
1	Chandu N	Sanrad Medical Systems Pvt Ltd	3LPA	
2	Naveen J S	Sanrad Medical Systems Pvt Ltd	3LPA	
3	Adarsh S	Micron Electricals	3.16-3.69LPA	
4	Chandan K			
5	Gagan Kirthi P N			
6	Mahadevaswamy H E			

7	Manoj V	Micron Electricals	3.16-3.69LPA	
8	Nagasundara D			
9	Sharathmurthy N S			
10	Sunil Y U			
11	Rakshitha A M	Nordex	4.5LPA	

B.8 Semester Toppers

ODD SEM, AY 2025-26

V Semester



Manoj M N
4AD23EE016
SGPA – 9.82

News Letter Student Editorial Committee



Mr. Ulhas Joshi
VII Sem, EEE
Student Editor

U.G Programs

Civil Engineering

Computer Science & Engineering (CSE)

CSE (AI-ML)

PG PROGRAM

Master of Computer Applications

Master of Business Administration

Electrical and Electronics Engineering
Electronics and Communication Engineering
Mechanical Engineering

CSE (Data Science)
CSE (Computer Science & Design)
CSE (Cyber Security)