



INSPIRE

Electrical and Electronics Engineering

**Bi-Annual
News Letter**

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Dr. Parthasarathy L,
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 students 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



Mr. Shreeshayana R
Assistant Professor Dept. of Electrical & Electronics Engineering
ATME College of Engineering Mysuru

Key Milestones of ATMECE

NBA Accreditation, EEE,ECE,ME,CE (II Term);CSE(I Term)
NAAC A+ Grade (I Cycle)
VTU 8th Rank :Electrical & Electronics Engineering

Rated Gold by QS I-Gauge for Overall Excellence
Swachh Institute, GoI: 2019-2020
DST, AICTE-MODROB Grants: 2.50+ Crores

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KEY MILESTONES

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- 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** (Term-I: 2019-2022; Term-II: 2022-2025)
- **AICTE-MODROB Funding** for Cybersecurity 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 3 Consecutive Years
- Financial Assistance for student Projects by VTU and KSCST.
- 98% and above Results in previous Six 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/>

About the Department of Electrical & Electronics Engineering



The Department of Electrical & Electronics Engineering believes in imparting holistic education, where the student community is the focal point of the learning process. We offer a motivating environment for knowledge assimilation with a sense of social responsibility and human values. The department Undergraduate Program is 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.

Affiliation



Accreditation



<p>Vision of the College</p> <p>Development of academically excellent, culturally vibrant, socially responsible and globally competent human resources.</p> <p>Mission of the College</p> <ul style="list-style-type: none"> • 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 	<p>Vision of the Department</p> <p>To create Electrical and Electronics Engineers who excel to be technically competent and fulfill the cultural and social aspirations of the society.</p> <p>Mission of the Department</p> <ul style="list-style-type: none"> • 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.
<p>Program Educational Objectives (PEO's)</p> <ul style="list-style-type: none"> • 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. 	<p>Program Specific Outcomes (PSO's)</p> <ul style="list-style-type: none"> • 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 2023-24

SL. No.	Name of the Faculty	Title	Date	Organized by
1	Prof. Swapna H	5 Days STC on AI and ML Techniques for Engineering	26 th Feb to 1 st March 2024	NIT Puducherry
2	Prof. Kavyashree S and Prof. Swathi C A	FDP on Research Pathway in EV Technology and Power System	26 th to 31 st August 2024	SJBIT, Bengaluru
3	Prof. Raghavendra L	FDP on Alternating Fuels	4 th March to 8 th March 2024	NITTTR, Bhopal
4	Prof. Raghavendra L and Dr. Sathish K R	Solar Technology	11 th March to 15 th March 2024	NITTTR, Bhopal
5	Dr. Sathish K R	Intellectual Property Rights	25 th to 27 th April, 2023	11M T College of Polytechnic, Greater Noida, (U.P)

A.2 MOOC Certifications

SLNo.	Faculty Member	Course Title	Platform	Duration
1	Dr. Shakunthala C	STTP-Internet of Things	SWAYAM	12 Weeks
2	Dr. Sathish K R			
3	Prof. Maria Sushma S			
4	Prof. Sowmyashree K S			
5	Prof. Kavyashree S			
6	Prof. Swathi C A			
7	Prof. Shreeshayana R	Data to Dashboard: Mastering Visual Story Telling using Tableau	NPTEL	29 th and 30 th June 2024

A.3 Publications Details: Scopus Indexed Journals

Arjun, M.S., Mohan, N., Sathish, K.R., Patil, A., Thanmayi, G., “**Impact of electric vehicle charging station on power quality**”, *International Journal of Applied Power Engineering*, 2024, 13(1), pp. 186–193**A.5**

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. Sathish K R
	Dr. Shakunthala C

A.5 Funding Details

K-Tech NAIN, or New Age Incubation Network, is a program that encourages students and Faculty to identify local problems and develop technology-based solutions.

Prof. Shreeshayana R, Dr. Parthasarathy and Team have received **Rs 1,00,000** Funding from K-TECH NAIN for the **Proposal Titled:** Portable Baby Incubator with Sleep Apnea Monitoring for Premature Infants.

A.6 Patent Details

Mr. Raghavendra L, Ms. Swapna H, Mr. Shreeshayana R and Dr. Sathish K R have Published a Patent Titled “Automated Cybersecurity System and Method Thereof” on 05.04.2024.

Ms. Swapna H, has received Patent Grant for the Work “IoT based Wearable Device and System for Assisting Neurologically Affected Patients”, for 20 Years, starting from the Patent Published Date 15.02.2022. The Grant certificate was Released during 2024.

A.7 Consultancy

Dr. Parthasarathy L has received an Consultancy Amount of Rs1,51,040 for the work, Testing of Substation Equipment’s for the work at 66/11kV Substation at Maragowdanahalli, K R Nagar Taluk, Mysuru.

A.8 Memorandum of Understanding (MOU)

ATME College of Engineering, Mysuru and Karnataka German Technical Training Institute (KGTTI), Mysuru, signed a Memorandum of Understanding (MOU) on 16th July 2024. The objective of the MoU is to enhance the Technical Core skills and bridge the Industry-Academia gap making students competent in the field of Industrial Automation involving PLC, SCADA & Drives. supporting recruitment in core companies



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

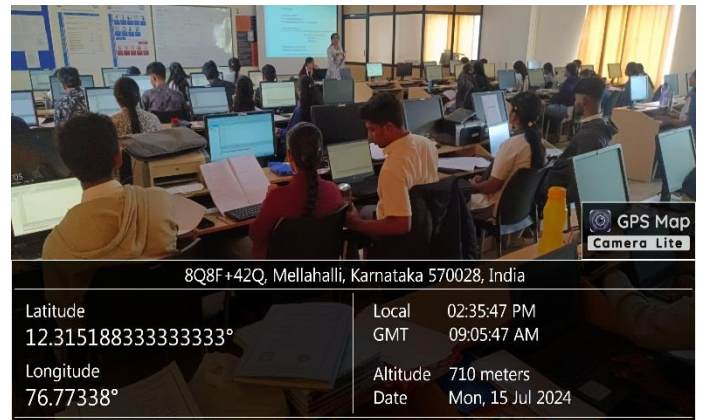
B. Student Activities

B.1 Domain Specific Training

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



Pic: DST Training Conduction by Resource Person Mr. Chandrashekar P at KGTTI Premises



Pic: DST Training Conduction by Resource Person Ms.Fathima Reenu at Department premises, ATMECE, Mysuru.

B.2 Technical Talk

The Department of Electrical & Electronics Engineering, under Department Association “Quantum” had organised a technical talk on “**Power Electronics Application in Medical Electronics**” at ATME College of Engineering, Mysuru for 4th and 6th Semester students on 22nd July, 2024.

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

Sl No.	Date	Name of the Activity	Association	Participants Semester	No of Participants
1	22.06.2024	Technical Talk on Power Electronics Application in Medical Electronics	Quantum	4 th Semester and 6 th Semester	67 Students 52 Students



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

B.3 Workshop

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



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



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

C. Student Achievements

C.1 Karnataka State Council for Science and Technology Funding

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

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

C.2 Best Project of the Year Award

In the 47th Series Annual State Level Student Project Programme(SPP) under Karnataka State Council for Science and Technology, Mr.Karthik R and Ms.Lavanya G K from Batch:2020-24, were selected for the Project Exhibition Event. The Team represented our Institute and have Won **Best Project of the Year Award** under Electrical and Electronics program held on 9th and 10th August 2024 at Sharnbasva University, Kalaburgi (Gulbarga)

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

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

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



Pic: Ms.Lavanya G K and Mr.Karthik R receiving the Prize from the dignitaries

C.3 State Level Technical Fest

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

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



Pic: Event Organizers, Winners and Participants



Pic: ATME Final Year Students Winners during the event



Pic: Evaluation Process of the Projects

C.4 Meritorious Award for Toppers

SL.No.	Award	USN	Name	SGPA
1	Skilltech Memorial Award, Branch Topper	4AD20EE009	Karthik R	9.09
2	Manjulamma Memorial Award, Highest Marks in Electric Circuit Analysis Course	4AD20EE009	Karthik R	78/100
3	Manjulamma Memorial Award, Highest Marks in Electric Circuit Analysis Course	4AD20EE016	Shashikala K S	78/100
3	Sai Yeshorathna Award, Branch Second Topper	4AD20EE001	Aathiqa Fathima Khanum	8.71
4	Siddamma Lakshmana Shetty Memorial Award Branch-Topper, Lateral	4AD21EE402	Meena S	8.47



Pic: Karthik R, recipient of the Award

C.5 IEEE Student Branch, ATMECE Mysuru Sub-Section

Our program Student representatives in the Institute, IEEE Student Branch.



Mr. Gagan Kirthi P N
IV Sem, EEE
STB Treasurer



Mr. Vikyath K V
IV Sem, EEE
Membership Committee Co-Head



Mr. Ulhas Joshi
IV Sem, EEE
Social Media Head

C.6 Sports Achievers

SL.No.	USN	NAME	Sports
1	4AD22EE038	Nayana M V	Softball VTU Team Member and Institute Team
2	4AD22EE054	Vikyath K V	Wrestling VTU Gold Medalist
3	4AD22EE001	Adarsh B S	Kabaddi Team Captain-Institute
4	4AD22EE023	Harshith A P	Softball-Institute Team
5	4AD22EE022	Harish Kumar G	Softball-Institute Team
6	4AD22EE014	Darshan Gowda H	Kabaddi-Institute Team
7	4AD22EE030	Manoj B	Kabaddi-Institute Team
8	4AD23EE405	Nagasundra D	Kabaddi-Institute Team
9	4AD23EE402	Darshan L R	Kabaddi-Institute Team
10	4AD23EE400	Abhishek G	Softball- Institute Team



Ms.Nayana M V

Runner-up in VTU inter-collegiate state level Baseball Women Championship

Runner-up in VTU inter-collegiate state level Baseball Women Championship



Vikyath K V

Vikyath K V won the Gold Medal in the VTU State Level Wrestling Championship



Harshith A P

First Place in VTU inter-collegiate Rest of Bengaluru softball Men Championship 2023-24.



Harish Kumar G

First Place in VTU inter-collegiate Rest of Bengaluru softball Men Championship 2023-24.

C.7 Semester Toppers

AY:2023-24

IV Semester



DHANUVIDYASHREE- 4AD22EE017

SGPA:9.05

VI Semester



VAISHNAV T A - 4AD21EE020

SGPA:9.32

VIII Semester



KARTHIK R- 4AD20EE009

SGPA- 9.50

D. Career Guidance and Placement

Placement training plays a major role in shaping up the career goals of students. The Training Division of the ATMECE Placement Cell offers training with a vision to cater to the requirement of industries. Training etiquette like Business English, Personality Development, logical & verbal analysing ability, Group Discussion, Resume writing etc are expected from graduates. Keeping this key aspect into consideration, it is realized that training is important to create an exposure, enhance skillset, build confidence amongst engineering students to enhance their employability and achieve good placement in various Industries

D.1 Placement Report

SL.No	USN	NAME	DESIGNATION	COMPANY PLACED	PACKAGE IN LPA
1	4AD20EE005	Ashith S Gowda	Engineer Domain, Software	PRDC, Pvt Ltd	2.8
2	4AD20EE012	Nikhil Kashyap M S	Software Engineer	Pratian Technologies	NA
3	4AD20EE014	Ponnanna C P	Automation Graduate Engineer Trainee	Oasis Automation Technologies	3
4	4AD20EE007	Nikhil H N	Automation Graduate Engineer Trainee	Oasis Automation Technologies	3
5	4AD20EE009	Karthik R	Automation Graduate Engineer Trainee	Oasis Automation Technologies	3
6	4AD21EE408	Ravikumara	Assistant Electrical Engineer	Graphite India Ltd. _Hydro Power Generation Company	3
7	4AD20EE002	Akhilesh R	Debug Engineer	L&T	2.4
8	4AD20EE004	Arun V	Debug Engineer	L&T	2.4
9	4AD21EE405	Pavan Kumar S	Application Engineer	Tangent Automation	1.68
10	4AD21EE407	Praveen B M	Assistant Electrical Engineer	Graphite India Ltd. _Hydro Power Generation Company	3
11	4AD20EE010	Lavanya G K	Technician Trainee	BSNL	3
12	4AD21EE406	Prajwal TP	Support Engineer	FuelTrans India Pvt Ltd	3.14

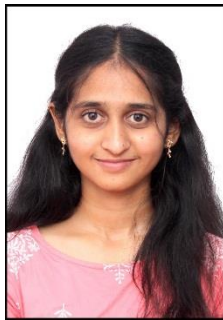
D.2 Training Activity

SL.No.	Training	Semester	No. of Students
1	Aptitude Verbal & Reasoning-I In-House Training	IV	67

Group Photo-8th Semester, 2020-2024 Batch



News Letter Student Editorial Committee



Ms. Fathima Sadaf
VI Sem, EEE
Student Editor



Mr. Gagan Kirthi P N
IV Sem, EEE
Student Co-editor



Ms. Keerthana H N
IV Sem, EEE
Student Co-editor