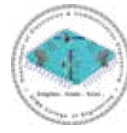




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College of Engineering



ELECTRONICS & COMMUNICATION ENGINEERING



ECHELON – ECE Newsletter

Volume 10, Issue 1, Feb 2023

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Message from Principal

Proud to present the latest edition of our ECE newsletter, highlighting the remarkable efforts of our faculty and students. Best wishes to the team for ongoing excellence.

Regards
Dr. L Basavaraj
Principal, ATMECE



Message from HoD



We are pleased to present Volume 10, Issue 1 of our newsletter, highlighting the department's achievements over the past six months. Sincere thanks to everyone who contributed to its preparation.

Sincerely
Dr. Mahesh P K
HOD, ECE

Editorial Committee

Chief Editor

Dr. Prathibha M K
Associate Professor

Editor

Mr. Chandra Shekar P
Assistant Professor

Members

Mrs. Keerthi A Kumbar
Assistant Professor

Student Members

Mr. Sumanth M R
Mr. Tejas
Ms. Saraswathi M
Ms. Thanushree

About the Department

Established in 2010, the Department of Electronics and Communication Engineering began with an intake of 60 students, which expanded to 120 in 2012 in response to growing demand. The department offers both Undergraduate (B.E./B.Tech) and Doctoral programs, with a strong academic focus on Wireless Communication, Signal and Image Processing, VLSI & Embedded Systems, Biomedical Engineering, and Advanced Control Systems. The program is accredited by the National Board of Accreditation (NBA), New Delhi, underscoring its commitment to quality and excellence.

The department boasts state-of-the-art infrastructure including advanced laboratories like the VLSI Lab with Cadence tools, IoT Lab, and NI LabVIEW Lab—providing students with practical experience through real-time project development.

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 post-graduate levels, to meet the needs of the profession and society and achieve excellence in teaching-learning and research.
- To develop talented and committed human resource, 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 stake-holders.

Staff Achievements

- 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 JSS S & T University.

List of FDPs/STTP/Workshops attended

Sl. No	Name of the Faculty	Details of Courses attended (Title of the Course, Organizer Name and Place)	From Date	To Date	Duration
1	Mr. Chandra Shekar P	Anudaksh Training cum Internship Program on “Machine Learning and Edge AI”	22/07/2022	24/07/2022	2 days
2		Webinar on “Image Classification using Edge Impulse-An application of IoT and Machine Learning”	03/07/2022	-	1 day
3	Ms. Anupama Shetter	FDP on “Machine Learning for data science using Python”	16/07/2022	30/07/2022	15 days
4	Mrs. Juslin F				
5	Mr. Girish M	FDP on “Latest Trends in VLSI Device, Circuits and Tools”	19/09/2022	24/09/2022	6 days
6	Mr. Manjunath				
7	Mr. Guruprasad K N	FDP on “Recent Trends in Deep Learning”	01/07/2022	07/07/2022	5 Days
8	Mr. Pradeep Kumar Y				
9	Ms. Anupama Shetter				
10	Mrs. Juslin F				
11	Mrs. Keerthi Kumbar				

Department Activities

The Department organized the following activities during AY 2022-23 Odd Sem

- NAAC Awareness Program for Students – Conducted from 11th to 12th October 2022
- Technical Talk on Semiconductor Devices – Held on 25th November 2022
- Technical Talk on “Advances in VLSI” – Organized on 8th December 2022
- Technical Talk on “Advances in VLSI” for 5th Semester Students – Conducted on 5th July 2022 at ATMECE, Mysuru

Students Achievements / Activities

- Mr. Sheetal K Athreya from the 2018–2022 batch secured the 8th rank in VTU, marking a significant academic achievement.
- 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 17th November 2022.
- Tejash Kumar N, Chaitra B, Bhavanashree N, and Harshitha R. M. represented the institution at India’s leading IoT exhibition held at KTPO, Whitefield, Bengaluru, from 23rd to 25th November 2023.
- Manosh Chandu, Kavyashree N and Jenisha Oshal D’souza of 3rd semester participated in the UNLEASH India 2022- International event organized at INFOSYS, Mysuru from 3rd to 10th December 2022.

Grants Received for Student Projects

Sl. No.	Name of the Project	Name of the students	Name of the Guide	Amount Sanctioned in Rs.	Name of the Funding Agency
1	Detection and Surveillance of UAV based on RF and Radar Technology	Mr. Harsha M Ms. HibaMahin Mr. Rajat Narayan Hegde Mr. Rohith Kumar K	Mrs. Keerthi Kumbar Ms. Anupama Shetter	6000/-	Karnataka State Council for Science and Technology (KSCST)
2	Solar panel Cleaning Robot	Mr. Nijaguna Swamy Mr. Mahadeva Prasad G S Mr. Prajwal S Mr. R V Chandan	Mr. Guruprasad and Mrs. Harshitha N	6000/-	Karnataka State Council for Science and Technology (KSCST)

Placement Details

In the Department of Electronics and Communication Engineering, a total of 64 students secured placements in reputed companies with salary packages ranging from ₹2.4 LPA to ₹7.5 LPA.

Our esteemed Recruiters



Toppers List

Semester	Name of the Student	USN	SGPA
3 rd	ANANYA S NAYAK	4AD21EC005	9.28
	VARUN G RAJ	4AD21EC095	9.00
5 th	SUMANTH M R	4AD20EC068	9.28
	SHASHANTH R	4AD20EC064	9.28
7 th	PRATHEEK P S	4AD19EC057	9.55
	PRIYANKA BAI	4AD19EC059	9.55

Program Outcomes

Program Outcomes

- **PO1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **PO2. Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using the first principles of mathematics, natural sciences, and engineering sciences.
- **PO3. Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- **PO4. Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis, and interpretation of data, and synthesis of the information to provide valid conclusions.
- **PO5. Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- **PO6. The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **PO7. Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **PO8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **PO9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **PO10. Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **PO11. Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **PO12. Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Educational Objectives

- **PEO1:** To produce graduates to excel in the profession, higher education and pursue research exercises in Electronics and Communication Engineering.
- **PEO2:** To create technically able alumni with the capacity to examine, plan, to create and execute Electronics and Communication frameworks thereby involving in deep routed learning.

Program Specific Outcomes

- **PSO1:** To Comprehend the Fundamental ideas in Electronics and communication Engineering and Apply them to identify, formulate and effectively solve Societal engineering problems using latest tools and techniques.
- **PSO2:** To work effectively in a group as an independent visionary, team member and leader having the ability to understand the requirements and develop feasible solutions to emerge as potential entrepreneurs.



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ATME COLLEGE OF ENGINEERING
13th Kilometer, Mysore – Kanakapura – Bangalore Road,
Mysore – 570 028, Karnataka

Contact Us
0821-2954081, 2954011
info@atme.edu.in | www.atme.edu.in