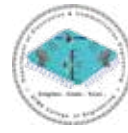




A T M E[®]
College of Engineering



ELECTRONICS & COMMUNICATION ENGINEERING



ECHELON-ECE NEWSLETTER

Volume 9, Issue 2, August – 2022

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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 2 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. Mahesh P K
Professor & HoD

Editor

Mr. Chandra Shekar P
Assistant Professor

Members

Mrs. Chethana K S
Assistant Professor

Ms. Navya N
Assistant Professor

Student Members

Mr. Arjun M
Mr. Niranjan N
Ms. Neha D R

About the Department

The Department of Electronics and Communication Engineering (ECE) was established in 2010 with an initial intake of 60 students, which was later increased to 120 in 2012. It offers B.E./B.Tech and Doctoral programs, focusing on key areas such as 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. The department houses advanced laboratories, including a VLSI Lab equipped with Cadence tools, IoT Lab, and NI LabVIEW Lab. These labs provide hands-on training, enabling students to work on real-time projects and build industry-relevant skills.

The department is supported by a team of highly qualified and experienced faculty members with multidisciplinary expertise and strong research contributions. To enhance students' industry readiness, the department conducts specialized workshops, training sessions, internships, industrial visits, and expert-led webinars. The annual inter-college technical fest, URJA, offers students a platform to demonstrate their talents and build leadership skills. With a strong emphasis on practical learning, research, and innovation, the department continues to provide quality technical education and foster academic and professional excellence.

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

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. Pradeep Kumar Y Mrs. Keerthi A Kumbar	AICTE Training And Learning (ATAL) Academy Online Elementary Faculty Development Program on "Data Science" at JC Bose University of Science & Technology, YMCA, Faridabad.	21/02/2022	25/02/2022	5 Days
2	Mr. Guruprasad K N	AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Innovative Technical Educational Practices and Academic Leadership" organized by Shri Shankaracharya Technical Campus, Bhilai	07/02/2022	11/02/2022	5 Days
3	Mrs. Chethana K S	Online course on "Adversarial Signal Processing and Machine learning with applications to multimedia forensics"	14/02/2022	18/02/2022	5 Days
4	Mr. Manjunath K Mrs. Harshitha N Mrs. Pavithra A C	One Week Online STTP/Refresher Program on Project Based organized by Department of E&TC, AISSMS COE Pune in association with BoS (E&TC) SPPU & ISTE New Delhi	21/02/2022	26/02/2022	5 days
5	Mr. Pradeep Kumar Y Mr. Guruprasad K N Mrs. Juslin F Ms. Anupama Shetter Mrs. Keerthi A Kumbar	FDP - Recent Trends in Deep Learning, G H Raison college of Engineering, Nagpur(Online)	01/07/2022	07/07/2022	7 Days
6	Chandra Shekar P	Computational Neuroscience a MOOC from the University of Washington and offered through Coursera	13/06/2022	29/07/2022	8 Weeks
7	Chandra Shekar P	AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Robot Operating System (ROS)" at GSSS INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN	10/01/2022	14/01/2022	5 Days
8	Ms. Anupama Shetter Mr. Guru Prasad K N Mr. Pradeep Kumar Y Mrs. Juslin F	NITTT Module 4 Instructional Planning and Delivery	Throughout the Semester		
9	Ms. Anupama Shetter Mrs. Keerthi A Kumbar Mr. Guru Prasad K N Mr. Pradeep Kumar Y Mrs. Juslin F	NITTT- Module 4 – Instructional Planning and Delivery			
10	Ms. Anupama Shetter Mrs. Keerthi A Kumbar Mr. Guru Prasad K N Mr. Pradeep Kumar Y Mrs. Juslin F	NITTT- Module 6—Student Assessment and Evaluation			

Department Activities

- Department organized a “Intellectual Property Rights” for all the Research Scholars and Faculty of various Engineering College on 04/07/2022 at ATMECE, Mysuru.
- Department organized a ATAL FDP on “Implementation of national Education Policy 2020” for the Faculty members of LL Engineering College from 24/01/2022 to 28/01/2022 at ATMECE, Mysuru.

Students Activities/Achievements

- Mr. Fawaz Ahmed Khan and Mr. Nagraj S has participated in the Hardware and Software edition of Smart India Hackathon 2022 Senior grand finale at nodal center - B. S. Abdur Rahman Crescent Institute of Science & Technology, Chennai, Tamil Nadu Under the mentorship of Dr. Bhgyashree S R.
- 21st VTU YOUTH FESTIVAL, “PRATHIBHOTSAVA – 2022” was organized by BMS College of Engineering, Bengaluru various Cultural and literary event was Scheduled from 29th – 31st July 2022. The following are the students who participated in events as below
- Niranjana N from 2nd Year Electronics and Communication Department represented the event and performed song from “Perfect”, “Titanic” and “Fifa”.
- Niranjana N, Abhishek M from 2nd Year Electronics & Communication and Ponnanna C P, Nikhil H N from 2 nd Year Electrical & Electronics department participated in group singing and sung one song from Hindi “Ondhe Matharam” and another song from kannada “Gudugudiya”.
- Chethan Kumar M C of 2nd year Electronics and Communication Department had participated in the event spot photography.

Sl. No	Team Members	Mentor Name	Title of the Project	Awards/ Prize
1	Sheetha K Athreya Riyanka K Sara Simran Mansoor Fathak	Dr. Mahesh P. K.	Wearable tech gloves for speech impaired	₹ 5,000.00
2	Dhanush H V Chethan P Nikhithi Urs Maahadev Deepak	Dr. Bhagyashree S R	Improving the yield of the crops by analyzing the soil parameters and growth of the plants by using machine learning tech-	₹ 5,000.00
3	Thejaswini.K Nagashree.M Sowjanya Uday Gowda H C	Dr. Yathisha L Ms. Anupama Shetter	DEVELOPMENT OF AN AUTONOMOUS WALL PAINTING MOBILE ROBOT USING RASPBERRY Pi	₹ 6,000.00

Placement Achievements

In Electronics and Communication Engineering, 64 students go placed to various companies in the AY 2021-22 with package 2.4L – 5L. The Companies like Upskillz, HTC Global Solutions, TCS, Capgemini Technology Services India, Wipro, Career Labs, Mindtree, NTT Data Global Delivery Services Private Limited, Infosys, Brigosha Technologies, Mycaptain, Iopex Technologies, Sasken Technologies, Frenustech Private Limited, Aey Solutions, ECL finance Limited, Acadecraft Pvt. Ltd. With various Designations as Business development, Project Engineer, Research Associate, Software Engineer, Software Developer, Associate, Associate Software Engineer, Assistant System Engineer, Trainee Business Operation Executive, Design Engineer, Trainee—NPI & Engineering, System Engineer, Trainee Engineer, Information Technology Senior Associate.

Toppers

Semester	Name of the Student	USN	SGPA
4 th	SHASHANTH R	4AD20EC064	8.92
6 th	ARJUN M	4AD19EC009	9.56
8 th	SHEETAL K ATHREYA	4AD18EC057	9.4

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.

Students Placement 2022-23

Department of
Electronics & Communication Engineering



BINDU ESHWARI
ELETRONICS TECHNOLOGIES



HARSHA M
ELETRONICS TECHNOLOGIES



AKSHITHA M
ELETRONICS TECHNOLOGIES



PRAJWAL B B
ELETRONICS TECHNOLOGIES



PRATHEEK P S
ELETRONICS TECHNOLOGIES



RAVINDRA E
ELETRONICS TECHNOLOGIES



SAKANA C
ELETRONICS TECHNOLOGIES



NALAGUNDAKEMARY B
ELETRONICS TECHNOLOGIES



ANSHU M
ELETRONICS TECHNOLOGIES



NISHA MAGESH
ELETRONICS TECHNOLOGIES



ROHAN SABIT
ELETRONICS TECHNOLOGIES



PRAJWAL S B
ELETRONICS TECHNOLOGIES



SPANDHYA H C
ELETRONICS TECHNOLOGIES



STELLAN A
ELETRONICS TECHNOLOGIES



THARUN M
ELETRONICS TECHNOLOGIES



PRAJWAL S B
ELETRONICS TECHNOLOGIES



V CHANDAN
ELETRONICS TECHNOLOGIES



S SHWETHA B
ELETRONICS TECHNOLOGIES



ANSHU MAGESH
ELETRONICS TECHNOLOGIES



CHAITANYA B
ELETRONICS TECHNOLOGIES



MUHAMMAD ARSHAD HAZI
ELETRONICS TECHNOLOGIES



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