ATME®
College of Engineering

ELECTRONICS & COMMUNICATION ENGINEERING

ECHELON-ECE

Department Newsletter

Volume 9, Issue 1, February 2022

News Headlines

- Message from Principal
- Message from HoD
- Editorial Committee
- About the Department
- Vision & Mission of the Department
- Staff Achievements
- Department Activities
- Student Achievements
- Placement Details
- Toppers List
- Program Outcomes, Program Specific Outcomes and Program Educational Objectives

Message from Principal

"I am happy to see the new issue of the ECE department newsletter. It shows the hard work of students and staff. I appreciate their efforts and wish them more success in the future."

Regards
Dr. L Basavaraj
Principal, ATMECE

Message from HoD

"We are glad to share Volume 10, Issue 1 of our newsletter. It includes the good work done by our department in the last six months. Thanks to all who helped in preparing this newsletter."

Sincerely
Dr. Mahesh P K
HOD, ECE

Editorial Committee

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.

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

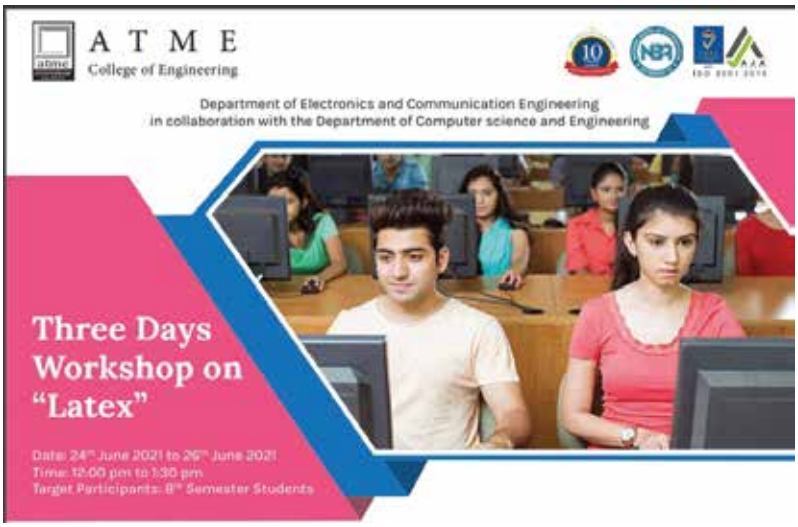
Sl. No.	Name of Faculty (Principal Investigator)	Name of the Funding Agency	Title of the Project	Sanctioned order no.	Sanctioned date	Amount Sanctioned
1	Dr.Yathisha L & Mr. Guruprasad K N	Department of Science & Technology	SciFest	DST/CO/A/FP/E91/2021	28.09.2021	Rs.17,90,800/
2	Dr.Mahesh P K & Dr.Yathisha L	Modernization and removal of obsolescence Aspirational (MODROB ASP) by AICTE,New Delhi.	Enhancing New Technology in Microwave and Wireless Communication	90/IDC/MOD ASP/policy 1/2021-22	25.10.2021	Rs.10,77,000/
3	Dr.Bhagyashree S R & Dr.Prathiba M K	AICTE,New Delhi	Implementation of National Education Policy(NEP) 2020	2 23/AICTE/ATAL HQ/2021 22/2101	29.12.2021	Rs. 94,000/

DEPARTMENT ACTIVITIES

- The department organized Talk on " Career Opportunities in the IC Design Industry" and organized webinars on different areas to enhance and ignite the knowledge. The topics are "Teaching Pedagogy", "Challenges & Opportunities in Higher Education", "Machine Learning and Deep Learning", "Antennas and electromagnetics hazards", "Career Opportunities in Digital Marketing", "Advances in AI, ML, DL & Robotics-From the Industrial point of view starting from macro to the nano stage", "AI and its Application", "World of AI, Yesterday, Today and Tomorrow" and " How to become

- Department has arranged Industrial Visit for 7th Sem students on 18/12/2021 to BEML, Mysuru.

- The Department organized Five days National level Workshop on "Academic and Research Writing", 3 days' workshop on LATEX and 2 days Skill enrichment program on "Introduction to Swift Programming Language".



LIST OF FDPS/STTPS/ 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	Ms. Anupama Shetter	One Week Industrial Training at Renalyx Health Systems Pvt. Ltd Bengaluru	27-9-2021	1-10-2021	5 Day
2	Ms. Anupama Shetter Mrs. Keerthi A Kumbar Mr. Guru Prasad K N Mr. Pradeep Kumar Y	FDP on Deep Learning & Applications (Parallel Architectures) organized by IITG	23-8-2021	3-9-2021	2 weeks
3	Mr. Girish M Mr.Manjunath K Ms. Anupama Shetter Mrs. Harshitha N	ONLINE Workshop on NAAC, Jharkhand Govt Tool Room, Ranchi	13-12-2021	18-12-2021	6 Days
4	Mr. Chandra Shekar P	One Week AICTE – VTU Joint Training Programme for Teachers on "An Overview of Teaching Techniques in Innovation & Design Thinking" Organized by VTU Human Resource Development Centre (VTU -HRDC), Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.) - 562101.	06-12-2021	10-12-2021	5 Days
5	Dr. S R Bhagyashree	Completed SWAYAM`s "Basic course in Bio Medical Research" during 2020-21.	2021		
6	Ms. Anupama Shetter Mrs. Keerthi A Kumbar Mr. Guru Prasad K N Mr. Pradeep Kumar Y Mrs. Juslin F Mrs. Shalini VS	NITTT- Module 2-Professional Ethics & Sustainable Development & Module-3 Communication Skills, Modes and Knowledge Dissemination	Throughout the year		

LIST OF PATENTS FROM ECE

Sl. No	Patent Application No.	Inventors	Date of Filing	Invention Title
1	202141045358	Prof. Pavithra A C Ms. Kalpana K Ms. Dhanusha T Ms. Chandu D Ms. Bhavana D C	6/10/2021	ENHANCED SYSTEM AND METHOD FOR ACCIDENT PREVENTION IN UNDER-GROUND COLLIERIES
2	202141045359	Prof..Pradeep Kumar Y Mr.Mohammed Moin Ms.Kripa Goyal Ms.Rumana A Mr.Ranjan R	6/10/2021	ENERGY EFFICIENT ROBOTIC SANITIZING DEVICE
3	202141045360	Prof. Pavithra A Mr.Likith Maney Ms. Poorvashree C V Mr. Karthik A H	6/10/2021	AUTOMATED VOICE CONTROLLED ROBOT DEVICE
4	202141045361	Dr. Prathibha M K Ms. Bhoomika G Ms. K Gowthami	6/10/2021	AN EYE MOVEMENT BASED COMMUNICA-TION DEVICE

- Harshitha N from department of ECE won the BEST FEMAL FACULTY player of the championship in MITM Engineers premier league-2021

- Mr. Chandra Shekar P participated and completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on “Artificial Intelligence in Electronic Design Automation” from 09/08/2021 to 13/08/2021 at GITAM Deemed to be University.

- Chandra Shekar P participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Quantum Computing Algorithms and Machine Learning" from 2021-08-02 to 2021-08-06 at R V College of Engineering.

STUDENTS ACHIEVEMENTS

Sl.No	Name of the Project	Name of the students	Name of the Guide	Amount Sanctioned in Rs.	Name of the Funding Agency
1	Predicting the crop based on soil parameter by using Machine	Chethan P (4AD18EC014) Dhanush H V (4AD18EC018) Mahadev Deeapk P (4AD18EC030) Nikhith Urs (4AD18EC040)	Dr. Bhagyashree S R Mrs. Pavithra A C	5000/-	Visvesvaraya Technological University (VTU)
2	Wearable Tech Gloves for Speech Impaired	Sheetal K Athreya (4AD18EC057) Mansoor Fathak (4AD18EC031) Riyanka K (4AD18EC051) Sara Simran (4AD18EC055)	Dr. Mahesh P K	5000/-	Visvesvaraya Technological University (VTU)
3	Development of an Autonomous Wall Painting Mobile Robot Using Raspberry Pi	Nagashree.M (4AD18EC034) Sowjanya (4AD18EC060) Thejaswini.K (4AD18EC068) Uday Gowda H C (4AD18EC070)	Dr. Yathisha L Ms. Anupama Shetter	6000/-	Karnataka State Council for Science and Technology (KSCST)

TOPPERS LIST

Year	Name of the student	USN	SGPA
2	SHASHANTH R	4AD20EC064	8.92
3	ARJUN M	4AD19EC009	9.56
4	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:** Identity, 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.

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.

ATME®
College of Engineering

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