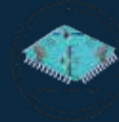




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College of Engineering



ELECTRONICS & COMMUNICATION ENGINEERING



ECHELON-ECE Department Newsletter

Volume 11 Issue 1 Feb - 24

MESSAGE FROM PRINCIPAL



I am glad to present the latest edition of the ECE department newsletter, which highlights the efforts and accomplishments of our faculty and students. My best wishes to the entire team for continued success and academic excellence.

Regards
Dr. Anantha Keshava Murthy
Principal, ATMECE

MESSAGE FROM HOD



It gives me great pleasure to present Volume 11, Issue 1 of the ECE department newsletter. This edition reflects the dedication, achievements, and collaborative spirit of our faculty, staff, and students over the past six months. I sincerely appreciate everyone's contributions and encourage continued enthusiasm in all academic and co-curricular pursuits.

Sincerely
Dr. L Basavaraj
HOD, ECE

EDITORIAL COMMITTEE

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ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was established in 2010 with an initial intake of 60 students, which was increased to 120 in 2012 due to growing academic demand. The department offers a four-year Undergraduate program (B.E.) and Doctoral programs, with a strong focus on both foundational and advanced areas including Wireless Communication, Signal and Image Processing, VLSI & Embedded Systems, Biomedical Engineering, and Advanced Control Systems.

The ECE program is accredited by the National Board of Accreditation (NBA), New Delhi, reflecting its academic quality and commitment to excellence. The department is supported by modern infrastructure, including state-of-the-art laboratories and advanced computing resources. Key facilities include:

- VLSI Lab equipped with Cadence tools (30-user license) for circuit design and simulation.
- IoT Lab for hands-on projects and system integration.
- NI LabVIEW Lab for virtual instrumentation and automation.

These labs support practical learning, mini-projects, and major projects, encouraging innovation and technical skills among students. The department has a team of highly qualified and experienced faculty with multidisciplinary knowledge and strong research backgrounds. Their dedication to teaching, mentoring, and research creates a vibrant and student-centered learning environment.

Additionally, the department maintains a well-stocked collection of textbooks and reference materials that support both teaching and independent research work. Through a combination of academic strength, hands-on training, and industry-relevant exposure, the ECE department at ATME aims to produce competent engineers ready for global challenges.

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 postgraduate levels, to meet the needs of the profession and society, and achieve excellence in teaching-learning and research.
- To develop talented and committed human resources, 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 stakeholders.

STAFF ACHIEVEMENTS

1. Dr. Prakash Kuravatti received a “BEST TEACHER Award for the AY 2021-22” on occasion of teachers and engineers day which was held at ATMECE, Mysuru
2. Dr. Prakash Kuravatti Received awarded for publishing the text book from the Scientific International Publishers and Published 3 Text books: 1. Signals and Systems, 2. Satellite Communications, 3. Basic Electrical and Electronics Engineering
3. Dr. Pavithra A C was awarded with Ph.D.
4. Dr. Bhagyashree S R was selected as a session chair for MYSURUCON-2023 IEEE conference
5. Mr. Chandra Shekar P represented ATME College of Engineering in IESA Vision Summit 2024 from 24/1/2024 – 25/1/2024 at Hilton Convention Centre, Manyata tech park, Bangalore.
6. Dr. Prathibha M K has successfully completed “Real Time Digital Signal Processing” 12-week NPTEL Course from July – oct 2023.

LIST OF FDPS/STTP/WORKSHOPS ATTENDED

SL. No.	Date	Activities	Name of the Faculty
1.	06-11-2023 to 08-11-2023	Application of Image Processing Techniques in the field of EC and CV engineering.	Dr. Prakash Kuravatti, Dr. Prathibha M K Dr. Pavithra A C , Dr. Shalini Hanok, Manjunath K, Keerthi A Kumbar, Girish M, Navya N, Chandra Shekar P, Pradeep Kumar Y, Guruprasad K N, Anupama Shetter, Chethana K S, Juslin Franklin, Nandini G S, Mythri R
2.	02-11-2023 to 04-11-2023	UHV- Introductory	Dr. Bhagyashree S R Dr. Prathibha M K Dr. Pavithra A C, Manjunath K Keerthi A Kumbar, Chandra Shekar P, Anupama Shetter, Chethana K S
3.	12-10-2023 to 14-10-2023	Design of Embedded AI systems	Pradeep Kumar Y, Guruprasad K N
4.	25-09-2023 to 27-09-2023	Advanced Communication using USRP using LabVIEW	Dr. Prathibha M K Dr. Pavithra A C, Keerthi A Kumbar, Dr. Shalini Hanok, Nandini G S, Navya N, Mytri R
5.	21-08-2023 to 25-08-2023	FDP on “Cyber Security & Digital Forensics	Keerthi A Kumbar, Anupama Shetter
6.	23-08-2023 to 09-09-2023	Industrial training at Renalyx Healthcare Private Ltd	Chandra Shekar P

LIST OF FDPS/STTP/WORKSHOPS ATTENDED

SL. No.	Date	Activities	Name of the Faculty
7.	31-07-2023 to 04-08-2023	Workshop on VLSI to system Design: Silicon to End Application Approach	Mythri R
8.	01-07-2023 to 01-10-2023	FDP on Real-Time Digital Signal Processing	Dr. Prathibha M K
9.	01-07-2023 to 01-10-2023	FDP on Fundamentals of AI	Juslin F
10.	07-09-2023 to 09-09-2023	Inculcating Universal Human Values in Technical Education	Dr. Shalini Hanok
11.	10-08-2023 to 18-08-2023	Outcome Based Education & Essential AI Tools for Teachers	Dr. Shalini Hanok

DEPARTMENT ACTIVITIES

- Department organized a training program on “Mastering USRP: Techniques and Applications” for faculties of various colleges from 04-03-2024 to 06-03-2024
- Department organized workshop on “3-day workshop on Crafting Mini Projects on General Purpose PCB Design and Soldering” for all 3rd semester students from 5-02-2023 to 7-02-2023 at ATMECE, Mysuru.
- Department conducted technical talk for 5th sem students on “Technical talk on Awareness on Innovation & Entrepreneurship“
- Department organized workshop on latex for 7th sem students from 23/11/2023 to 24/11/2023
- Organised FDP on advanced Communication using USRP Labview for faculty and 7th sem students from 25/9/23 to 27/9/23
- Industrial visit to U R Rao satellite Centre (URSC), Bengaluru for 7th sem students on 20/09/23

STUDENTS ACHIEVEMENTS / ACTIVITIES

SL. No.	Date	Activities	Name of the Students
1.	03-11-2023	Mysuru Big Tech Show	Yashwanth C N Vishveshwara Bhargava S Shashank Gowda R Varun G Raj, Tejas L
2.	02-11-2023	Women @Work Enclave, infosys Campus, Mysuru	Spoorthy S H, Vanishree U Suchitha R, Ayesha Iram S Thanushree T R, Kavyashree N Jenisha Oshal D'souza, Divya H R
3.	02-09-2023 to 09-09-2023	Workshop on RTL front end Design using Verilog at VVCE, Mysuru	Yashwanth C N Vishveshwara Bhargava S Shashank Gowda R, Varun G Raj Tharun Gowda A V, Tejas N
4.	10-08-2023	Inventors Challenge 2023	Yashwanth C N, Vishveshwara Bhargava S, Shashank Gowda R Varun G Raj, Karthik P U Bhargav M Bharadawaj Tharun Gowda A V, Tejas N
5.	25-07-2023	Women @Work Empowerment organized by Ktech NAIN	Kavyashree N, Spoorthy S H Suchitha R, Vanishree U Jenisha Oshal D'souza, Thanushree T R, Ananya S Nayak, Harshitha R Padmavathi S, Spoorthy D

GRANTS RECEIVED FOR STUDENTS' 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.	GPS based Animal Tracking System	Varun and Teja's Team	Dr. Basavaraj L and Anupama Shetter	2,32,500/-	K-tech NAIN
2.	Vrksha-Raksha	Niranjan and Team	Dr. Prakash Kuravatti	2,25,00/-	K-tech NAIN
3.	Farm to Table (Direct Selling)	Niranjan and Team	Anupama Shetter Juslin F	1,00,000/-	K-tech NAIN

PLACEMENT DETAILS

DETAILS OF PLACEMENT RELATED TRAINING ACTIVITIES

Sl. No.	Event	Sem	From Date	To Date	To Date	Resource Person
1.	Advance Communication	1	Throughout Semester		16 hrs	ATMECE Faculties
2.	Advance Communication	2	Throughout Semester (Ongoing)		16 hrs	ATMECE Faculties
3.	Higher Level C Programming	2	Throughout Semester (Ongoing)		36 hrs	ATMECE Faculties
4.	Higher Level C Programming	3	Throughout Semester		36 hrs	ATMECE Faculties
5.	Aptitude Training	5	Throughout Semester		16 hrs	ATMECE Faculties
6.	VLSI	5	15-11-2023	2-3-2024	48 hrs	Vivarthan Technologies

RECENT PLACEMENT DRIVES CONDUCTED

Sl. No.	Date	Company Name	Drive	Online / Virtual
1.	13-3-2024	DTRI	ATMECE	Offline
2.	28-02-2024	Oasis Automation	ATMECE	Virtual
3.	15-02-2024	KGiSL Microcollege	ATMECE	Offline

CAREER GUIDANCE ACTIVITY DETAILS

Sl. No.	Event Date	Event Name	Resource Person Name	Semester	No of students Attended
1.	19-01-2024	Orientation on Joining Defense as Officer	Gp. Capt. Abhinav Chaturvedi (Retd.)	5 th	186

PLACEMENT DETAILS

INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTRE (IEDC)

Sl. No.	Event Date	Event Name	Resource Person Name	Semester	No of students Attended
1.	19-02-2024	GoK Policies & Funding for Start Ups	Mr. Arjyn Chaitanya, Associate Talent Accelerator, KDEM	5 th	304
2.	12-3-2024	Financial Awareness Program	RBI	8 th & 2 nd	500

TOPPERS LIST

Semester	Name Of The Student	USN	SGPA
3 rd	Varshitha N R	4AD22EC121	9.00
	P D Druthi	4AD22EC069	9.00
5 th	Ananya S Nayak	4AD21EC005	9.11
	Tanushree T R	4AD21EC088	9.06
7 th	Shashanth R	4AD20EC064	9.67
	Faseeha Fathima	4AD20EC020	9.67
	Sumanth M R	4AD20EC068	9.54
	Saraswathi M	4AD20EC062	9.54

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 Outcome

- **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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