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ECE Newsletter

VOLUME 9, ISSUE 2, JULY 2022

About Department

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.

The Department of Electronics
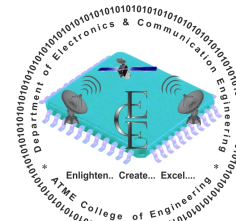
ELECTRONICS & COMMUNICATION ENGINEERING

and Communication Engineering (ECE) was established in the year 2010 with an intake of 60 and was enhanced to 120 in the year 2012. It offers an Undergraduate program (4 years) and Doctoral programs.

Doctoral Programs (Ph.D.) encompassing broad areas of Wireless Communication, Signal/ Image Processing, VLSI & Embedded Systems, Biomedical Engineering, and Advanced Control Systems. Etc. The ECE program is accredited by the National Board of Accreditation (NBA).

ECE Dept. has well-equipped state-of-art laboratories and ample resources in computing. The Department has a full-fledged VLSI Lab. It is furnished with a Cadence tool with thirty user licenses. The department is imparting Cadence Training to students in the VLSI lab and also provides additional lab facilities such as IoT Lab and NI LabView where students will be trained and carry out mini and major projects. Department has well-qualified and experienced teaching faculty and technical staff. The faculty members of the ECE department are versatile in many diversified fields. They have good research potential and are committed teachers. Department of ECE has a huge collection of Textbooks, Reference Books by Various authors, with different titles and volumes. Department conducts the inter-college technical fest URJA every year, which provides a platform for students to develop leadership and organizing skills. The department has been to impart quality technical education to the students. To make the students technically aware of the advancements in technology around the world, the department provides additional training sessions, workshops, hands-on, webinars, Industrial Visits, Internships, and other events. De-

Staff Activities/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 J C 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 Learning" 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			
9	Ms. Anupama Shetter Mrs. Keerthi A Kumbar Mr. Guru Prasad K N Mr. Pradeep Kumar Y Mrs. Juslin F	NITTT- Module 5 – technology Enabled Learning & Life-Long Self Learning	Throughout the Semester		
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, Tamilnadu 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

　∗ Niranjan N from 2nd Year Electronics and Communication Department represented the event and performed song from "Perfect", "Titanic" and "Fifa".

　∗ Niranjan N, Abhishek M from 2 nd 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 techniques	₹ 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

Sl No	Skills	Trainer	Duration	Branches	Semester
1	VLSI Training	Mr. Chandan, Frenustech Mr. Abhilash G Mr. Chandra Shekar P	Throughout the Semester	ECE	5th, 6th & 7th
2	LabVIEW Core-1 & Core-II Training	Mrs. Pavithra A C Mr. Girish M Mr. Manjunath K Mrs. Harshitha N	Throughout the Semester	ECE	3rd, 4th, 5th & 6th

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

Academic Topper for the AY-2021-22

Name of the Student	USN	CGPA	PHOTO
SHEETAL K ATHREYA	4AD18EC057	**9.61**	
NANDITHA A	4AD18EC035	**9.10**	

Toppers

Semester	Name of the Student	USN	SGPA	PHOTO
3	SHASHANTH R	4AD20EC064	8.92	
5	ARJUN M	4AD19EC009	9.56	
7	SHEETAL K ATHREYA	4AD18EC057	9.4	
8			9.67	

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.

· **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.

Our Recruiters
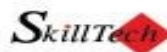
Students Placement 2022-23
Department of Electronics & Communication Engineering

BINDU EDEN GLOBAL QUEST TECHNOLOGIES	HARSHA M GLOBAL QUEST TECHNOLOGIES	LIKHITHA M GLOBAL QUEST TECHNOLOGIES	PRAJWAL B R GLOBAL QUEST TECHNOLOGIES	PRATHEEK PS GLOBAL QUEST TECHNOLOGIES	RAVINDRA S HUNDEKAR	SAHANA C GLOBAL QUEST TECHNOLOGIES	NIJAGUNASWAMY B FIRST FLOOR DIGITAL AGENCY
HARSHA M MYCAPTAIN	HIBA MAHIN MYCAPTAIN	NOMAN SABIT MYCAPTAIN	PRAJWAL B R MYCAPTAIN	SPOORTHY M C MYCAPTAIN	STALLAN A MYCAPTAIN	THANYA M MYCAPTAIN	PRAJWAL B R MYCAPTAIN	R V CHANDAN PALLE TECHNOLOGIES	AISHWARYA R PALLE TECHNOLOGIES	AWAIZ MANSOOR QSPIDERS	CHAITRA B QSPIDERS	MOHAMMED ADNAN HADI FIRST FLOOR DIGITAL AGENCY
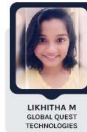
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