



B. V. V. Sangha's

Basaveshwar Engineering College, Bagalkote, Karnataka, India

Department of Electronics and Communication Engineering

ECE Echoes

Issue 3: December 2025

Resonating Ideas, Engineering Futures

Welcome to the latest edition of ECE Echoes, the monthly newsletter of the Department of Electronics and Communication Engineering. As we begin a new year, we are pleased to mark an important milestone by welcoming our new Head of the Department. This edition highlights academic initiatives, research activities, student and faculty achievements. Through ECE Echoes, we aim to strengthen our sense of community and keep students, faculty, alumni, and stakeholders informed and connected with the vibrant activities of our department.



Message from Head of the Department

As we step into the New Year 2026, it gives me great pride and optimism to share this edition of the Newsletter of the Department of Electronics and Communication Engineering, Basaveshwar Engineering College, Bagalkote. The journey of the past academic period stands as a testament to the collective commitment, perseverance, and passion of our faculty members, supporting staff, students and alumni. Through consistent efforts in academics, impactful research, innovative projects, faculty development initiatives, student development programmes and meaningful industry and alumni engagement, the department continues to move forward with confidence and purpose.



Our faculty and supporting staff members have played a pivotal role in nurturing young minds, fostering a research-driven culture, and embracing emerging technologies. I wholeheartedly appreciate their dedication and relentless pursuit of excellence. I also commend our students for their curiosity, creativity and determination to transform knowledge into real-world solutions, preparing themselves to meet global challenges.

This newsletter reflects not only our achievements but also our vision for the future. As we move ahead, let us strive to strengthen collaboration, encourage innovation, uphold professional ethics and continuously raise the bar in teaching, research and societal contribution.

I encourage every member of the department to take ownership of our shared mission and actively contribute ideas, achievements, and initiatives that shape the future of Electronics and Communication Engineering. On this inspiring occasion, I extend my heartfelt wishes to all for a happy, healthy, and successful New Year 2026. Let us move forward with renewed energy, unity, and determination to achieve greater milestones together.

Dr. Mahabaleshwar S. K.
Dean (R&D) and ICT
Professor and Head
Department of Electronics and Communication Engineering
BEC, Bagalkote



Message from Dean (Academics)

It gives me immense pleasure to extend my warm greetings to the students, faculty members, and staff of the Department of Electronics and Communication Engineering on the occasion of releasing this departmental magazine.

Electronics and Communication Engineering stands at the forefront of technological innovation, playing a pivotal role in shaping modern society through advancements in communication systems, embedded technologies, signal processing, VLSI, and emerging interdisciplinary domains. The department has consistently demonstrated academic excellence, research orientation, and industry relevance, which is reflected in the achievements of its students and faculty.

This magazine serves as a valuable platform for showcasing technical creativity, research insights, innovative ideas, and extracurricular talents of the ECE fraternity. It not only documents academic activities and accomplishments but also encourages students to think critically, write creatively, and express their technical perspectives with confidence.

I congratulate the editorial team, faculty coordinators, and student and faculty contributors for their sincere efforts in bringing out this publication. I am confident that this magazine will inspire young minds to pursue excellence, innovation, and lifelong learning.

I wish the Department of Electronics and Communication Engineering continued success in its entire academic and research endeavors.

Best wishes,

Dr. P. N. Kulkarni
Dean (Academics)



Message from Dean (Career Guidance and Placement)

The Electronics and Communication Engineering (E&CE) department has consistently demonstrated academic strength, technical competence, and industry readiness. I am pleased to note that our E&CE students have shown commendable performance in campus recruitment activities, securing placements and internship opportunities in reputed core and IT companies. These achievements reflect the combined efforts of students, faculty members, and the department's strong focus on skill development, hands-on training, and industry interaction.

The Career Guidance and Placement Cell continues to work proactively to bridge the gap between academia and industry by organizing training programs, technical workshops, internships, and campus recruitment drives. Our focus remains on enhancing students' employability skills, encouraging core domain readiness, and preparing them for emerging technologies in electronics, communication systems, VLSI, embedded systems, and allied areas.

As we step into New Year 2026, I extend my heartfelt wishes to all students, faculty members, alumni, and stakeholders of the E&CE department. May the coming year bring new opportunities, innovation, professional growth, and continued success. I encourage our students to remain focused, adaptable, and committed to lifelong learning, and I wish them every success in their academic and professional endeavors.

I appreciate the E&CE department for its continuous efforts in nurturing industry-ready engineers and contributing positively to the institution's placement success. Best Wishes for a Happy, Healthy, and Successful New Year 2026.

Dr. S. G. Kambalimath
Dean (Career Guidance & Placement)



Faculty Corner!!!

Dr. Vijayalakshmi S. Jigajinni has been conferred the IEEE India Council "Outstanding WIE Professional Volunteer Award 2025" on 19th December 2025, during the INDICON - 2025, International Conference held at IIIT Bangalore. This prestigious recognition honors her outstanding contributions to the WIE Affinity Group of the IEEE India Council.



Dr. Vijayalakshmi S. Jigajinni receiving the award @ INDICON - 2025 International Conference held at IIIT Bangalore on 19th December 2025.



Dr. S. G. Kambalimath is a member of the VTU, ECE Branch Board of Studies (BoS). The VTU BoS team visited Siemens, Bangalore to discuss the VTU EC branch scheme and syllabus with technical experts from Siemens on 8th December 2025.

Dr. S. G. Kambalimath @ SIEMENS, Bangalore

Certifications, FDPs, workshops attended

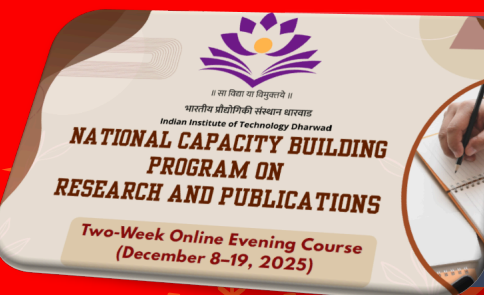
Dr. Vijayalakshmi S. Jigajinni, Dr. Mamata J. Sataraddi and Dr. Rajani S. Pujar attended one week AICTE ATAL Faculty Development Programme on "Signal Processing in Hearing Aids: Current Techniques, Challenges and Opportunities", at Vidyavardhaka College of Engineering Mysore from 08.12.2025 to 13.12.2025.



Dr. Vijayalakshmi S. Jigajinni, Dr. Mamata J. Sataraddi and Dr. Rajani S. Pujar, @ Vidyavardhaka College of Engineering Mysore

Dr. Santosh B. Kumbalavati, Dr. Sharanappa P. H. , Dr. Basavaraj M. Angadi, Prof. Supriya B. H., Dr. Poornima M. Chanal and Dr. Kirankumar Y. Bendigeri have attended "TCS APEX Virtually Faculty Development Programme on IoTDE" from 17.11.2025 to 12.12.2025.

Dr. Jayashree D. Mallapur, Dr. Mahabaleshwar S. K., Dr. A. V. Sutagundar, Dr. Vijayalakshmi S. Jigajinni, Dr. Mamata J. Sataraddi, Dr. Rajani S. Pujar, Dr. Kirankumar B. Balavalad, Dr. Sharanappa P. H., Dr. Ajayakumar C. Katageri and Dr. Kirankumar Y. Bendigeri have attended two-weeks online "National Capacity Building Program on Research and Publication" organized by Indian Institute Technology (IIT) Dharwad, from 08.12.2025 to 19.12.2025



Faculty Development Program

The Department successfully organized a one-week National Level Faculty Development Programme on "Fundamentals of Artificial Intelligence and Machine Learning" from 16 December 2025 to 20 December 2025. The inaugural session was graced by the Chief Guest, Mr. Shridhar Ramdurgakar from AG Electric Motors, Karad, Maharashtra, who highlighted that Artificial Intelligence is being extensively applied across all technological domains and emphasized the need for individuals to equip themselves to effectively utilize its potential.



Dr. R. N. Herkal, Director of Technical Institutions, BVV Sangha, stressed that faculty members should actively participate in such training programmes and transfer the acquired knowledge for the betterment of the student community. The programme was presided over by the Principal Dr. B. R. Hiremath, who remarked that Artificial Intelligence is driving transformative changes across all technical fields. The programme featured expert sessions by Dr. Manjunath K. Vanahalli, Indian Institute of Information Technology (IIIT) Dharwad, along with industry experts Mr. Vivaan Sharma, Mr. Arsh Desai, and Mr. Karthik as resource persons. The FDP was effectively coordinated by Dr. Mamata J. Sataraddi and Dr. Vijaylakshmi S. Jigajinni.



Alumni Connect

Mr. Sagar Kalligudd, Software Engineer, Cisco, Bengaluru, Alumnus 2012-16 Batch, donated Rs. 25,000/- to the department for the students welfare. In this regard, as a token of appreciation, Principal Dr. B. R. Hiremath, HoD Dr. Mahabaleshwar S. K. Dr. Mamata J. Sataraddi and Dr. Vijaylakshmi S. Jigajinni felicitated Mr. Sagar Kalligudd on 20.12.2025

DID YOU KNOW?

Thirsty AI !!!!!

Did you know that AI data centres are already consuming huge amounts of water and are projected to use dramatically more in the near future? A 2025 study suggests that global water use for cooling and electricity generation by AI data centres could reach around 1,068 billion litres per year by 2028 — roughly an 11-fold increase from 2024 levels if current trends continue. This rise is driven largely by the need to cool increasingly powerful AI hardware, with some facilities reportedly using millions of litres of water daily, sometimes equivalent to the water use of thousands of homes. As AI grows, concerns about water use—especially in regions already stressed for freshwater — are pushing calls for more transparent reporting and sustainable cooling technologies.



By: Dr. Sharanappa P. H.

Publication POINT



Dr. Poornima M. Chanal, *et. al.*, published a research paper titled "Regression-based Context Aware Authentication Scheme for IoT Devices: Cognitive Agents Approach" in Journal of Information and Telecommunication (Q2), Taylor and Francis December 2025.

Dr. Vijaylakshmi S. Jigajinni and Dr. S. M. Jigajinni presented a research paper titled "ICT-Driven Faculty Development Ecosystem: A Case Study on Effective Teaching Practices in Engineering College" in the 10th International Conference on Information and Communication Technology for Competitive Strategies, Jaipur, India (Springer Series, Scopus Indexed) during 15.12.2025 to 17.12.2025.



Dr. P. N. Kulkarni, Dean (Academics) attended the BoS meeting of Electronics and Communication Engineering Department, SDM College of Engineering and Technology, Dharwad on 16.12.2025

Dr. A. V. Sutagundar, Associate Professor attended the PhD Comprehensive Viva-Voce Examination at SIT, Tumkuru on 22.12.2025

Felicitaton

Department felicitated Smt. Shridevi C. Hiremath on her superannuation on 31.12.2025.



STUDENT SPOTLIGHT!

- Ms. Vaishnavi Amate (3rd year, BE) awarded with Best Ambassador, at IEEE EU-REKA 2025 from IEEE Pune section.
- Ms. Vaishnavi Amate also appointed as Chair of BEC-IEEE AESS Student Branch Chapter for the year 2026.



- Mr. Pranav R. Pattan (3rd year BE) recognised as Top Ambassador of ComSoc at Future Networks World Forum 2025.
- He also got appointed at Operating Committee Vice-Chair of BEC-IEEE Student Branch for the year 2026.



- Mr. Sachin Pawar (3rd year BE) got Global recognition as one of the Top 5 Performing IEEE Ambassadors – 2025.
- He also got appointed at Chair of BEC-IEEE RAS Student Branch Chapter for the year 2026.



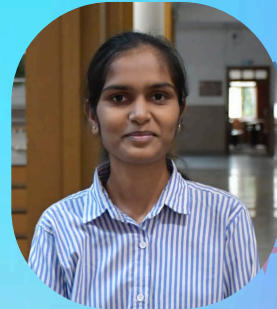
STUDENT SPOTLIGHT!



Ms. Anusha S. Kandakur (3rd year BE) appointed as Chair of BEC-IEEE SIGHT Student Branch Affinity Group for the year 2026.



Ms. Shweta M. Bhanvi (3rd year BE) appointed as Chair of BEC-IEEE PELS Student Branch Chapter for the year 2026.



Mr. Girish Udupudi (3rd year BE) appointed as Chair of BEC-IEEE ComSoc Student Branch Chapter for the year 2026.



Ms. Ashwini D. Yakajanavar (3rd year BE) appointed as Student Activity Committee (SAC) Chair of BEC-IEEE Student Branch for the year 2026.



Student PROJECTS

14 innovative student project proposals have been submitted to 49th series of Student Project Programme (SPP), of KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY (KSCST) 2025-26.

FINAL YEAR STUDENTS CAMPUS PLACEMENT STATISTICS

Company Name	No. of Students Placed
Infosys	25
Cognizant	06
JSW	07
KarMic	02
Vayavya Labs	01
Total:	41

**Still Ongoing.....*

Faculty Superannuation



Smt. Shridevi C. Hiremath

As I prepare to step into retirement, I do so with a heart full of joy and a gentle sense of bittersweet farewell. For decades, you have been my greatest inspiration. Together, we transformed classrooms into vibrant spaces of curiosity, discovery, and meaningful learning. Your questions, enthusiasm, and dedication continually reminded me of the true purpose of education. Beyond academic lessons, I hope you have learned the value of lifelong learning, the importance of treating one another with kindness, and the courage to pursue your own unique paths.

Remember always that mistakes are not roadblocks, but stepping stones toward growth and wisdom. As I close this chapter of my professional journey, I carry with me your bright faces, cherished memories, and the promise of your future achievements. Please know that my pride in you, my best wishes, and my unwavering support will always remain with you. Go forward with confidence. Create your mark. Contribute positively, and help build a better and more compassionate world.

Thank you for being the most meaningful and rewarding part of my service as a teacher. Thank you, one and all. With warm regards and lasting respect.



THE CHOICE IS YOURS
DON'T RAG



The Choice is Yours

Say **NO** To Ragging

VISION

To be an institution of excellence in education, research and innovation for sustainable future.

MISSION

- Develop globally competent professionals for future talent requirements.
- Nurture a culture of research, innovation and entrepreneurship.
- Promote collaborations, extension and outreach programs for addressing industrial and societal needs.
- Imbibe moral and ethical values.
- Foster ecological and environmental consciousness.

VISION

To achieve excellence in electronics and communication engineering through quality education and research for developing competent professionals.

MISSION

- Foster a dynamic teaching and learning process.
- Encourage research through innovation and collaboration.
- Imbibe moral, ethical values and social responsibilities.

EDITORIAL BOARD

Ms. Apoorva K.

Student Coordinator

- **Dr. Vijaylakshmi S. J.**
- **Dr. Sharanappa P. H.**
- **Dr. B. M. Angadi**

Faculty Coordinators

Dr. Mahabaleshwar S. K.

Head of the Department



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