



B. V. V. Sangha's

# BASAVESHWAR ENGINEERING COLLEGE

Department of Electrical and Electronics Engineering



## Monthly Newsletter

Volume-1

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### Institute

#### Vision

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

#### Mission

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

### Department

#### Vision

To be in the global forefront of education, research and innovation in Electrical and Electronics Engineering to meet energy, ecology, industrial and societal needs

#### Mission

1. Develop globally competent professionals adapting to technological transformations in the field of Electrical and Electronics Engineering
2. Promote collaborations with higher learning institutes and industries for research, innovation and entrepreneurship
3. Imbibe moral & ethical values and render empathetical services to energy, ecology & environmental issues.

### About the Department

The Department of Electrical and Electronics Engineering at Basaveshwar Engineering College (BEC), Bagalkote, is a premier center of academic excellence, known for its commitment to innovation, quality education, and societal impact. Established in 1963 with the inception of the institution, the department has consistently maintained high academic standards and produced skilled professionals who contribute significantly to the fields of energy, power systems, electronics, and sustainable technologies.

## Programme Educational Objectives (PEO)

1. The graduates will be able to design the solutions to industrial challenges
2. The graduates will be able to take up higher studies and research
3. The graduates will be able to engage in multidisciplinary innovation and entrepreneurship activities
4. The graduates will be able to adopt emerging technologies to provide solutions to the societal and environmental issues

Participation and Presentation in IEEE NKSS 4th Edition of the International Conference NKCon-2025, held from 27th-28th September 2025 in KLE Institute of Technology, Hubballi:

- Dr. Sangamesh Goudappanavar
- Dr. B. F. Ronad
- Dr. R. L. Naik
- Prof. Santhoshkumar Kandagal
- Prof. Basavaraju Hadapad
- Prof. Mahantesh Chikkadesai,
- Mr. Sumanth Veeraghantimath
- Mr. Annadanesh Gudimani
- Ms. Srushti Mathapati

## Programme Specific Outcomes (PSO)

1. Graduates shall be able to specify, formulate and analyze concepts used in power systems and electrical machines as per requirements of power & energy sector
2. Graduates shall be able to identify, analyze, design and test technologies used in power electronics, electronic & signal processing circuits and control systems
3. Graduates shall be able to apply conventional concepts and contemporary tools to design, simulate and analyze electrical and electronic systems for real time applications through hands on learning gained in SCADA, energy systems and power electronics laboratories



## IEEE Resource Person Recognition

Dr. Sangamesh Goudappanavar served as a Resource Person in the "IEEE Day 2025 Power-Tech Session" on October 15th, 2025, an event organized by the IEEE Bangladesh Section.

## Student Development Programme (SDP)



The Department of EEE successfully conducted a Five-Day SDP on "Electric Vehicle Training With 3-Wheeler Loader Components" from September 16th to 20th, 2025. A total of 60 students from the 3rd year participated in the hands-on training, gaining practical exposure to essential Electric Vehicle components. The program was effectively coordinated by Prof. (Smt.) Sunita Tambakad.

## Patents & Publications Book Chapter Publication



The EEE department celebrates a achievement with the granting of a design registration by the patent office, Government of India.

Inventors: Dr. Sangamesh Y. Goudappanavar, Dr. Suresh H. Jangamshetti, Ms. Veena S. Gidaganti, Mr. Paramanand Hanchinal, Mr. Vinayak B. Hosamani, and Mr. Shrinivas Bandiwaddar.



Dr. Sangamesh Y. Goudappanavar contributed to the global scientific community with a newly published book chapter: "Development and Performance Analysis of ATS for IoT-Enabled SPV-Based RO Water Purifier in Academic Campus."



Mr. Shashidhar Pawadiyaware and Mr. Amaranath Patil of IV year, have emerged as the Volleyball Zonal Winners for the 2025-2026 academic year held in Basavakalyan Engineering College, Gulabarga.

## Faculty Professional Development

| Faculty               | Program                                                                   | Type/<br>Organizer               | Host<br>Institution                                   | Date                           |
|-----------------------|---------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------|--------------------------------|
| Mr. R. S. Allurkar    | Application of Semiconductors, Sensors and Drones in Smart Agriculture    | 1-week<br>ATAL<br>Academy<br>FDP | Tulsiramji<br>Gaikwad-Patil<br>College,<br>Nagapur    | 06-10-2025<br>to<br>11-10-2025 |
| Mr. S. S. Kandagal    | Advances in Battery Management Systems (BMS) for Hybrid Electric Vehicles | 5-day<br>Online FDP              | Annnant<br>Gyan<br>Knowledge<br>and Skills Pvt<br>Ltd | 6-10-2025<br>to<br>10-10-2025  |
| Mr. M. L. Chikkadesai | Python for Data Science                                                   | 4-week<br>NPTEL-<br>AICTE FDP    | IIT Madras                                            | July – Aug<br>2025             |

# Industry & Student Connect



## MOU Renewal and Industry Visit

The EEE Department is pleased to announce that its Memorandum of Understanding (MOU) with AG Electro Services, Karad, Maharashtra, has been successfully renewed and extended until 2029 on October 5th, 2025, by a team of faculty members, including : Dr. Basanagouda Ronad, Smt. Sunita Tambakad, Mr. Santhoshkumar Kandagal, Mr. Mahantesh Chikkadesai and Mr. Basavaraju Hadapad.

## KSCST Project Grant and Exhibition

Faculties along with student team secured a grant from the Karnataka State Council for Science and Technology (KSCST), Bengaluru, and successfully presented their work at the State-Level Exhibition.



The Department of Electrical and Electronics Engineering celebrated Teachers' Day with great enthusiasm and joy. Students organized various fun activities and cultural performances to express their gratitude and admiration for their teachers. The faculty members shared inspiring words and experiences, motivating students to strive for excellence. The event created a joyful atmosphere filled with respect, appreciation, and memorable moments between teachers and students.

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