



Monthly Newsletter of Electrical and Electronics Engineering Department

M A R C H 2 0 2 6

Editorial Message

The Department of Electrical and Electronics Engineering, Basaveshwar Engineering College, Bagalkote, continues to foster innovation, technical excellence, and student engagement through a series of impactful initiatives conducted during March 2026. The activities this month reflect a strong commitment to experiential learning, research-driven development, and creative exploration.

A major highlight was WAVE 3.0 – National Level 24-Hours Hackathon, which brought together over 600 students from across the state to collaborate, innovate, and solve real-world challenges. The event not only provided a competitive platform for showcasing technical skills but also encouraged teamwork, problem-solving, and innovation. The success of our institution in securing top positions further demonstrates the strength of our student community.

The department also takes pride in the selection of student projects under the 49th Series of the KSCST Student Project Programme. The projects on AI-based fault prediction in transmission lines and solar-based DC microgrid systems reflect the integration of advanced technologies with practical power system applications. These initiatives highlight our focus on research, sustainability, and the development of intelligent energy solutions for the future.

In addition to technical advancements, efforts were made to enhance students' creative and digital competencies through a Canva design session, which equipped participants with essential skills in visual communication and content creation. Further encouraging creativity, the department organized "INKSPIRE" as part of IEEE PES Day celebrations, providing a platform for students to express innovative ideas related to power and energy systems.

Through these diverse activities, the department continues to nurture a holistic learning environment that balances technical knowledge, innovation, and creativity. We remain committed to empowering our students to excel in both academic and professional domains while contributing meaningfully to society and the evolving energy landscape.

Upcoming Events:-

**Basaveshwar Engineering College, Bagalkot - 02**
Department of Electrical & Electronics Engineering
BEC-IEEE-PES-SBC(35261A)

**Technical and Educational Activity**

Alumni Webinar
on
Practical Design of DC-DC Power Converters


Registration


Resource Person
Mr. Gangadhar Akki
Power Electronics Engineer
Robert Bosch Ltd, Bangalore

29th Mar. 2026
2.30 – 3.30 PM (IST)

**Karnataka, INDIA**




B. V. V. Sangha's
BASAVESHWAR ENGINEERING COLLEGE, BAGALKOTE-587102
IEEE STUDENT BRANCH (STB35261)
BEC-IEEE CASS (SBC35261I)

Presents
IGNITE
THE CIRCUIT

4th – 5th April 2026
Day 1-Time : 2:00 PM to 6:00 PM Day 2-Time: 10:00 AM to 2:00 PM
EEE Dept. Seminar Hall

For any queries feel free to contact:
Kiran Timmapur: 9902599639
Shradha S: 93809 86598

Scan here and register:


BEC-IEEE
beciee.org

Placement Highlights:



Prajwal M Kadam
Company: TCS
CTC: 3.36 LPA

"The experience taught me more than the result ever could — grateful for both."



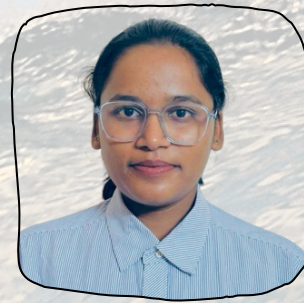
Srusti
Company: TCS
CTC: 3.36 LPA

"The interview was challenging, but it gave me a rewarding experience."



Soundarya Iranna Walikar
Company: Torrent Power Ltd.
CTC: 4.8 LPA

My interview at Torrent Power proved that preparation and a positive mindset can create great opportunities.
Keep believing in yourself



Ashwini Ravindra Bidaralli
Company: JSW
CTC: 5.5 LPA

"Believe in your effort, stay consistent, and success will follow."

WAVE 3.0 - National Level 24 Hours Hackathon



Basaveshwar Engineering College organized WAVE 3.0 - A National Level 24-Hours Hackathon during 13th to 14th March 2026. Dr. Muralidhara V. N. Professor, IIIT Bangalore was the chief guest, with the gracious presence of Shri. Mahesh Athani Hon. Secretary B. V. V. Sangha, Dr. R. N. Herkal, Director of Technical Education B. V. V. Sangha and Dr. B. R. Hiremath, Principal BEC Bagalkote.

The coordinators Dr. Mahabaleshwar S. K. Dean (R&D) and ICT, HoD ECE Department, Dr. R. L. Naik, HoD EEE Department and Dr. B. M. Reshmi, HoD AI&ML Department were present during the function. More than 600 Students across the state actively participated in the event. A total of Rs. 50,000 was the pool prize money. BEC Bagalkote bagged First and Second prize, and BIT Bangalore got Third prize in the competition.



Two Innovative Projects Selected Under KSCST SPP 2025–26

1.AI Based Development of Algorithm to predict the fault Type in Transmission Line

The Department of Electrical and Electronics Engineering, Basaveshwar Engineering College, Bagalkote, proudly presents a student project titled “AI-Based Development of Algorithm to Predict Fault Type in Transmission Line,” selected under the 49th Series of the KSCST Student Project Programme. The project has received a funding support of ₹4,000 to facilitate its development. It focuses on developing machine learning-based models to accurately detect and classify faults in transmission lines, thereby improving fault detection speed, accuracy, and overall power system reliability. By utilizing advanced techniques such as Decision Trees, Random Forest, Support Vector Machines, and other algorithms, the system enables real-time fault identification and contributes towards the development of intelligent and smart grid systems. This innovative work highlights the integration of Artificial Intelligence with electrical power systems to enhance automation and efficiency in modern energy infrastructure.



Dr.S.Y.Goudappanavar
Project guide



Nikita S Nivaragi
USN No.:2BA22EE027



Anand Kuruballi
USN No.:2BA22EE008



Aishwarya Teli
USN No.: 2BA22EE004



Prajwal P Badadal
USN No.: 2BA22EE033

2.Automation and Analysis of Solar-Based DC Microgrid Integrating SPV and Grid Supply Source

The Department of Electrical and Electronics Engineering, Basaveshwar Engineering College, Bagalkote, presents another innovative student project titled “Automation and Analysis of Solar-Based DC Microgrid Integrating SPV and Grid Supply Source,” selected under the 49th Series of the KSCST Student Project Programme. The project has received a funding support of ₹5,500 for its development. It focuses on designing an intelligent energy management system that integrates solar photovoltaic (SPV) sources with grid supply to ensure reliable and efficient power utilization. The system incorporates sensors, Arduino-based monitoring, real-time data logging, and automatic power source switching to maintain uninterrupted operation. By enabling efficient energy usage, reducing dependency on conventional power, and supporting sustainability, the project contributes towards smart grid technologies and future-ready energy solutions.



Dr.R.L.Naik
Project guide



Vandana Pawar
USN No.:2BA22EE054



AISHWARYA IANGADI
USN No.:2BA23EE401



Muskan R Doddamani
USN No.:2BA23EE403



Shirisha K
USN No.:2BA23EE407

Event Highlight's

DesignVerse



The poster features logos for PES, CAS, PELS, IEEE Bangalore Section, and BEC-IEEE. It identifies the event as 'DESIGNVERSE Canva Workshop & Competition' organized by B. V. V. Sangha's at Basaveshwar Engineering College, Bagalkote-587102. It mentions affiliations with BEC-IEEE PES (SBC35261A) and BEC-IEEE CASS (SBC35261I) and PELS (SBC35261J). A QR code is provided for registration.

B. V. V. Sangha's
BASAVESHWAR ENGINEERING COLLEGE, BAGALKOTE-587102
Department of Electrical and Electronics Engineering
BEC-IEEE PES (SBC35261A)
in association with
BEC-IEEE CASS (SBC35261I) and BEC-IEEE PELS (SBC35261J)
Presents
DESIGNVERSE
Canva Workshop & Competition
★ Learn to create stunning designs using Canva
★ Showcase your creativity in the competition
SCAN ME
Scan here and register



A session on Canva was successfully conducted on 26th March 2026, from 5:15 PM to 6:30 PM, at the Department of Electrical and Electronics Engineering.

The session was delivered by Bharatesh B Karbhari, a 3rd-year student of Electrical and Electronics Engineering. The objective of the session was to introduce participants to the fundamentals of graphic design using Canva and to familiarize them with its user-friendly interface and versatile design tools.



During the session, various features of Canva were demonstrated, including template selection, customization, use of design elements, typography, and layout techniques. Participants were guided on how to create visually appealing presentations, posters, and social media content effectively. Practical insights and tips were also shared to help students enhance their creativity and design efficiency.

The session witnessed enthusiastic participation from students, with active interaction and engagement throughout. It served as a valuable learning experience, enabling students to develop essential design skills that can be applied in both academic and professional contexts.

If you want, I can make it:

Faculty Achievements



Prof. Mahantesh Chikkadesai from the Department of Electrical and Electronics Engineering, Basaveshwar Engineering College, Bagalkote, participated in a one-week International Virtual Faculty Development Program on “Data-Driven Mathematics.” Organized by S.S.K.V College of Arts & Science for Women in association with DiGi Skill Development Centre, the program was held online from 18th to 24th March 2026 and enhanced knowledge in data-driven and modern mathematical applications.

Prof. Mahantesh Chikkadesai has been selected as an Ambassador for **IEEE PES Day 2026**.

This recognition highlights his dedication, leadership, and significant contributions toward promoting power and energy awareness, inspiring students and professionals alike.

Prof. S. S. Kandagal served as a Panel Member for the Idea Forge event at KSHITIJ, a two-day technical fest organized by the IEEE Student Branch (STB35261) of Basaveshwar Engineering College, Bagalkot.



IEEE PES DAY 2026



BHARATESH B
COMMUNICATIONS LEAD
IEEE Region 10

We are happy to share that Bharatesh B Karbhari has been selected as the Communications Lead for IEEE PES Day 2026.

This achievement reflects his dedication, leadership, and active involvement in IEEE activities. The department congratulates him on this accomplishment and wishes him continued success in his future endeavors.



PES Day

IEEE PES Day was created in 2018 as a new platform to engage the IEEE Power & Energy Society members with our organization's history and vision: "More Power to the..."

 IEEE Power & Energy Society

Ambassador's

We are proud to announce that the following representatives from the Department of Electrical and Electronics Engineering have been selected as part of IEEE PES Day 2026:

Mr. Shrikant G Patil – 3rd Year, EEED

Ms. Arpita Durve – 2nd Year, EEED



Mr. Shrikant G Patil
3rd Year, EEED



Ms. Arpita Durve
2nd Year, EEED

This recognition highlights their enthusiasm, commitment, and active participation in IEEE initiatives. As ambassadors, they will contribute to promoting energy awareness and engaging the global community through various impactful activities.

The department congratulates all the selected ambassadors and wishes them great success in representing the institution at an international level.

Inkspire



The Department of Electrical and Electronics Engineering, Basaveshwar Engineering College, Bagalkote, organized “INKSPIRE” on 28th March 2026 to mark the celebration of IEEE PES Day. The event was conducted with the theme “Innovating Today, Energizing Tomorrow,” encouraging students to explore and present creative ideas related to power and energy systems through innovative drawings and designs.

The programme witnessed enthusiastic participation from students, who showcased impressive and meaningful concepts reflecting their understanding of modern energy challenges and solutions. The event provided a platform for creative expression while also promoting technical awareness in the field of electrical engineering.

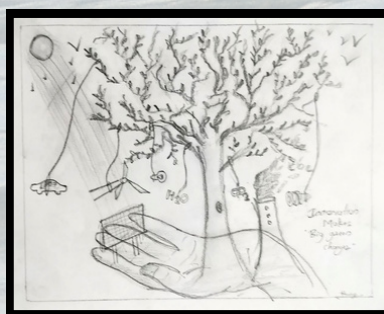


The event also created an interactive and inspiring environment where students could exchange ideas and gain new perspectives on sustainable energy solutions. It encouraged participants to think beyond conventional approaches and apply creativity to real-world engineering challenges. Such initiatives play a vital role in enhancing students’ confidence, presentation skills, and awareness of emerging trends in the power and energy sector.

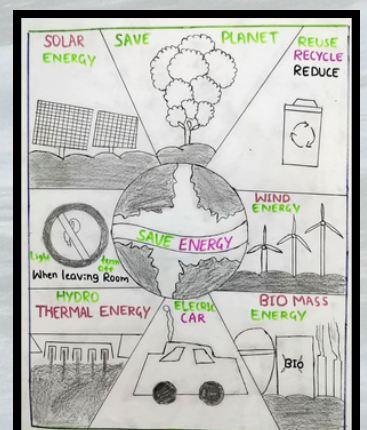
Overall, the event successfully fostered creativity, collaboration, and innovative thinking among participants, making it both engaging and intellectually enriching.



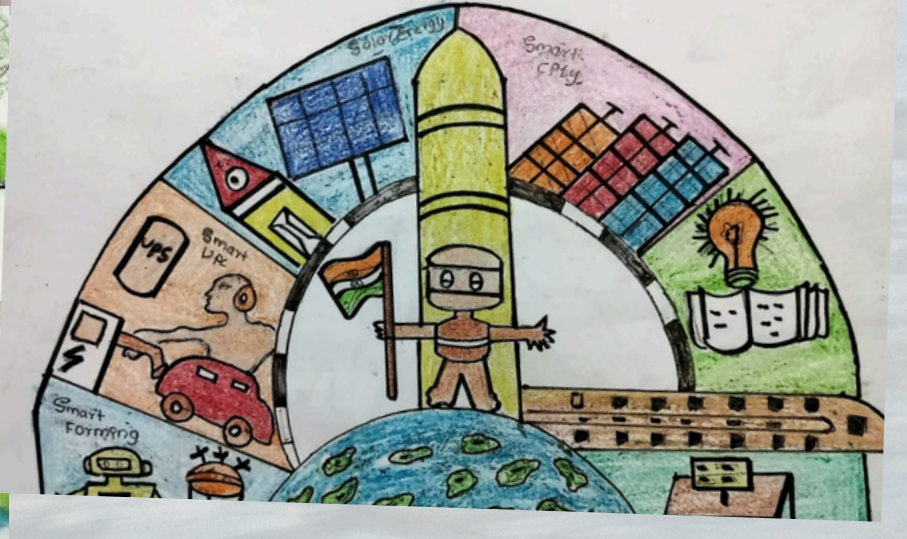
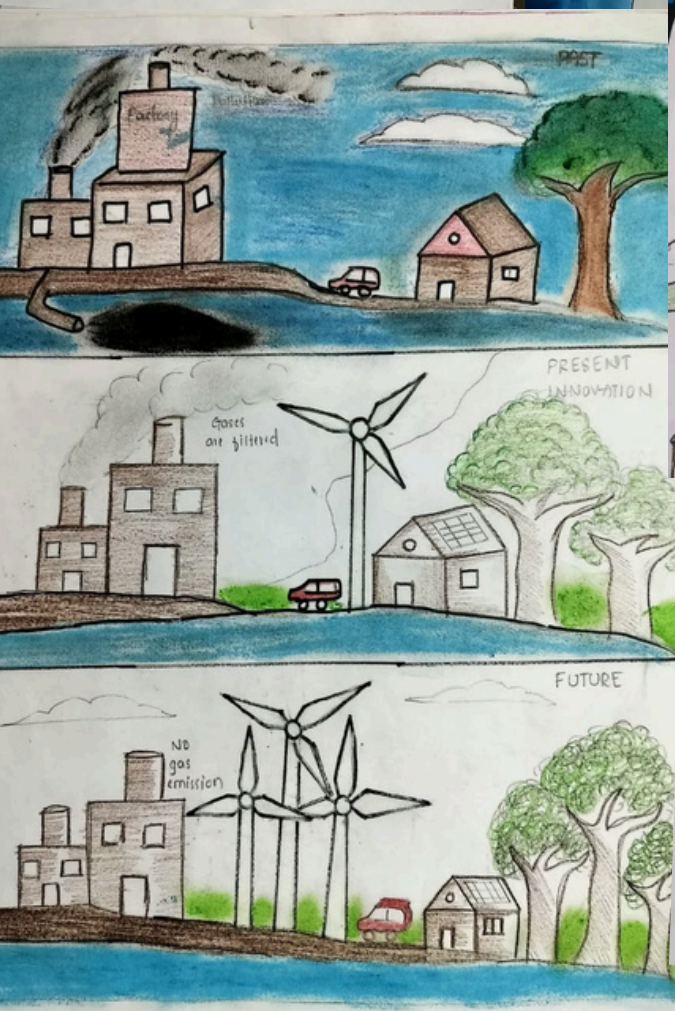
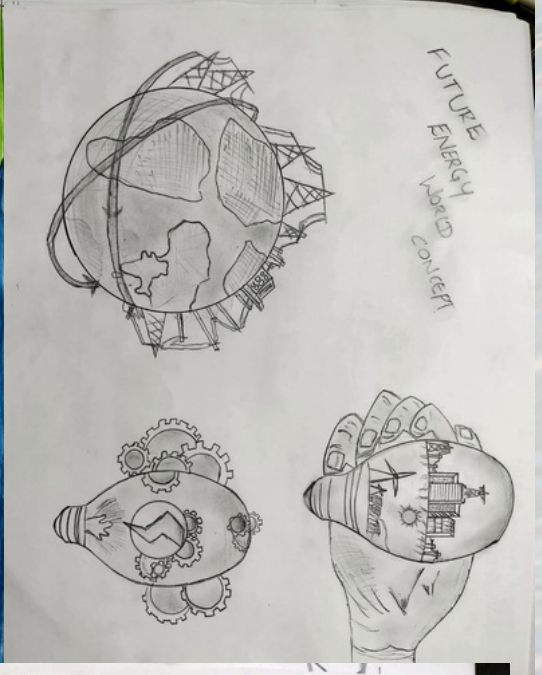
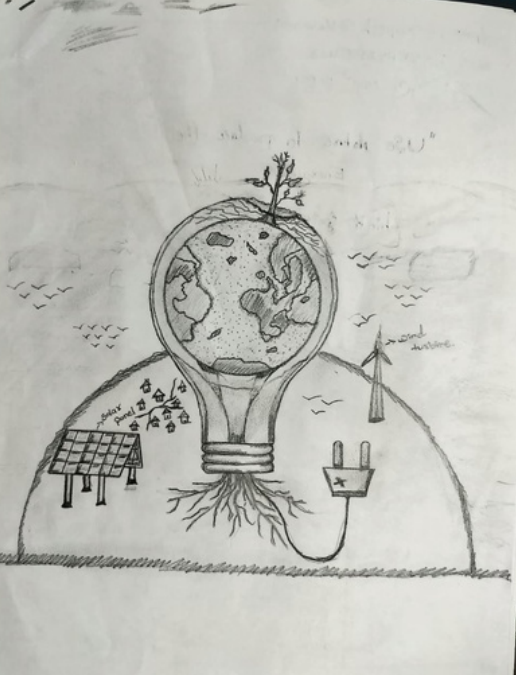
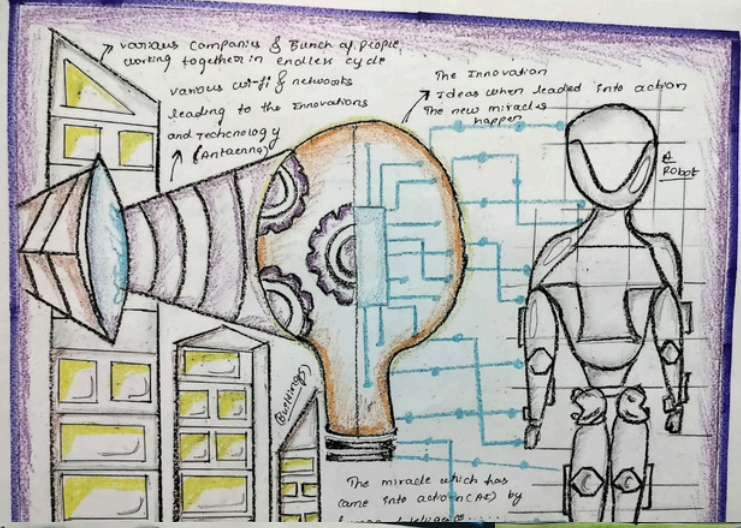
1st prize
Sampat M Vijapur
2nd semester ECE



2nd prize
Poornachandra Badiger
6th semester EEE



3rd prize
Pavitra S Shidraaddi
6th semester EEE



Institute

Vision

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

Mission

1. Develop professionals globally for future 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.

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.

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.

If you want something done right, do it yourself.

Charles-Guillaume Étienne

Editorial Team

Editorial Advisor

Dr. R. L. Naik

Head of the Department

Editor-in-Chief

Prof. Mahantesh Chikkadesai

Designed by

Mr. Bharatesh B. Mr. Shrikant G. Patil



bec_ieee_pes



BEC IEEE PES



Basaveshwar Engineering College

Department of Electrical and Electronics Engineering

Vidyagiri, Bagalkote, Karnataka 587103