



Monthly Newsletter of Electrical and Electronics Engineering Department

JANUARY 2026

Editorial Message

The January 2026 edition of E-WAVE highlights another month of vibrant academic engagement, professional development, and societal outreach by the Department of Electrical and Electronics Engineering, Basaveshwar Engineering College, Bagalkote. Our initiatives this month reflect a balanced focus on technical excellence, sustainability, industry collaboration, and student empowerment.

Activities such as Eco Vision – National Energy Conservation Day and Poster Presentation, Three-Day Empowerment Programme on Electrical Energy, Power Systems, and Safety Practices for HESCOM powermen, technical staff, and electricians, project demonstrations and presentations by first-year and final-year students provided valuable experiential learning opportunities. These programmes strengthened practical knowledge, industry readiness, and awareness of responsible energy practices among participants.

We also take pride in the remarkable achievements of our faculty members, who continue to contribute as resource persons, trainers, and leaders in professional bodies. The appointment of our faculty as IEEE EXECOM members, recognition of Dr. S. Y. Goudappanavar with the Outstanding Student Branch Counselor Award, and the accolades earned by our IEEE Student Branch reflect the department's strong culture of mentorship and professional engagement. Participation in national-level training programmes and invited expert sessions further demonstrates our commitment to continuous learning and knowledge sharing.

As we move ahead, we remain dedicated to nurturing innovation, strengthening industry and community connections, and empowering our students and faculty to excel both technically and ethically. We thank all stakeholders—students, faculty, alumni, parents, and industry partners—for their continued support and hope this issue inspires collective growth and progress.

Upcoming Events:-



BASAVESHWAR ENGINEERING COLLEGE, BAGALKOTE - 587102
Department of Electrical & Electronics Engineering
In Association with Internal Quality Assurance Cell (IQAC)
Organizes
Ten Days Student Development Programme on
Implementation of Linear Data Structures Using Python
Date: 28.01.2026 to 06.02.2026 Time 10.00 am to 6.00 pm
Venue: Electrical Computer Lab
Coordinators
Dr. Santosh B. Kumbalavati
Dr. Kirankumar Y. Bendigeri
Prof. S. G. Nayak
Dr. R. L. Naik
HoD EEE Dpt.
Dr. Mahabaleswar S. K.
Dean (R&D) and ICT, HoD, ECE Dept.
Dr. B. R. Hiremath
Principal
Dr. R. N. Herkal
DTE, BVVS, Bagalkote

About the Department :
The Department of Electrical and Electronics Engineering was started with the inception of the college in the year 1963. It has well-equipped laboratories with state-of-the-art equipment. The department offers a graduate program of four years leading to a B.E. degree in electrical and electronics engineering. The UG program has an intake of 60 students per year. Department also offers M.Sc. engineering by research & Ph.D. programs. It is a recognized research centre of VTU Belagavi and QIP centre under MHED.

Best Practices of the Department :

- Professional Society – IEEE-PES Students Chapter (2025/26)
- R & D Labs – Research based Projects for UG Students
- ACITE 100 Activity Points – Data Sheets for Community Information
- Alumni Mentorship Program – Projects, Internship & Career Guidance
- Alumni – Industry Webinar Series – Knowledge Dissemination
- Multi Industry Partners – For Internships, Projects and Technical Guidance
- Outreach Activities – Energy Conservation Public Awareness Programs

Target Participants of the FDP :
The program is designed for a diverse group of participants, including:

- Faculty members from Engineering & Agricultural disciplines
- Research scholars (Ph.D. / M.Sc. Engg. by Research)
- Professionals from irrigation, power and agri-technology sectors
- Industry practitioners and start-up innovators

About the College
Basaveshwar Engineering College, is a premier autonomous technical institute located in Northern Karnataka. It is a Govt.-aided institution recognized by AICTE, New Delhi, accredited by NBA and NAAC with A grade. College has been under TQP Phase-I, Phase-II and Phase-III during the periods 2004-06, 2006-14 and 2015-2022. It is permanently affiliated to Visvesvaraya Technological University, Belagavi. Presently, college offers 11 UG & PG (including MCA and MBA) and 8 Research Centers (recognized by VTU) with student strength of 3500+ on campus. Highly qualified and committed faculty drive the academic, curricular and co-curricular excellence on the campus.

Vision and Mission of the Institute
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.
• Instill moral and ethical values.
• Foster ecological and environmental consciousness.

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Basaveshwar Engineering College, Bagalkote
Department of Electrical and Electronics Engg.
Organizing
Five Days Faculty Development Programme
on
Smart Irrigation Systems
Design, Automation, Integration and Sustainable Practices in Agriculture
9th to 13th February 2026



SparkVision 2K26

Paper Presentation Competition



The Department of Electrical and Electronics Engineering, Basaveshwar Engineering College, Bagalkote, organized “SparkVision 2K26” on 3rd January 2026, offering students an engaging platform to present research ideas, technical solutions, and innovative concepts. The event promoted research culture, technical writing, and professional presentation skills, encouraging learners to address real-world engineering challenges.

Presented 14 papers across emerging areas such as Renewable Energy, Smart Grids, Power Electronics, IoT, AI/ML, Electric Vehicles, Robotics, and Automation, highlighting practical and sustainable solutions including smart energy meters, automated microgrids, predictive maintenance systems, and intelligent fault detection.

The competition enhanced students’ analytical thinking, documentation, and communication abilities, while strengthening interdisciplinary learning and academic excellence.



The event was successfully coordinated by Dr. B. F. Ronad, with the support of faculty and student volunteers, making SparkVision 2K26 a vibrant celebration of innovation and technical excellence.



Three Days Empowerment Programme on Electrical Energy, Power Systems and Safety Practices



The Department of Electrical and Electronics Engineering, Basaveshwar Engineering College (BEC), Bagalkote, in association with Hubli Electricity Supply Company Limited (HESCOM), jointly organized a Three Days Empowerment Programme on Electrical Energy, Power Systems and Safety Practices for HESCOM powermen, technical staff, electricians, and students to enhance technical skills and safety awareness.

The programme was inaugurated in the presence of Chief Guest Sri C. B. Yankanchi, Superintending Engineer, HESCOM, presided over by Dr. P. N. Kulkarni and HoD Dr. R. L. Naik.

HESCOM officials including Er. Chandrashekhar (EE, HRD) and Er. Aravind L. Naik (AEE) addressed the participants, emphasizing safe practices and continuous skill upgradation.

The event was coordinated by Dr. B. F. Ronad, Associate Professor, E&EE.



Technical Sessions & Resource Persons

Expert sessions on distribution systems, protection schemes, transformer maintenance, vigilance, metering, earthing, and electrical safety were delivered by:

- Er. Chandrashekhar, EE, HRD, HESCOM Hubballi
- Er. R. I. Uppaladinni, AEE, HESCOM Bagalkote
- Er. Deepak Katawkar, AEE, HESCOM
- Er. Madiwalappa Indi, AE, O&M Division, HESCOM
- Dr. Raghuram L. Naik, HoD-E&EE, BEC
- Smt. Sunita Tambakad, Asst. Prof., E&EE, BEC
- Er. N. R. Dasappanavar, AEE, LTMR Sub Division
- Er. Prashant Pattar, AE, HTMR Sub Division
- Dr. Rashmi Hunnur, Assoc. Prof., MBA, BEC
- Mr. Mahantesh Chickkadeasi, Asst. Prof., E&EE, BEC

The programme provided practical exposure, strengthened industry-academia collaboration, and enhanced participants' competence in electrical operations and safety practices. The valedictory session concluded with feedback and certificate distribution.



Project Exhibition



The Department of Electrical and Electronics Engineering, Basaveshwar Engineering College, Bagalkote, organized a Project Exhibition on 7th and 8th January 2026, providing students with a dynamic platform to demonstrate their technical creativity, practical knowledge, and innovative problem-solving skills through working models and prototypes.



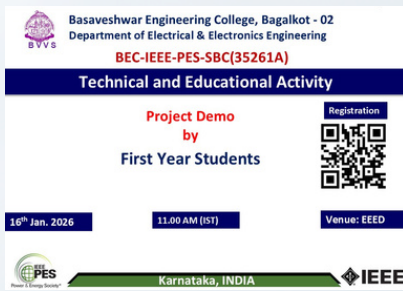
The exhibition showcased 14 major projects by final-year students and 17 mini projects by third-year EEE students, spanning areas such as renewable energy, smart grids, IoT, automation, electric vehicles, and energy-efficient technologies, reflecting strong industry relevance and sustainable engineering practices.

The event was inaugurated by Dr. R. N. Herakal, Director of Technical Education, BVVS, in the presence of Principal Dr. B. R. Hiremath, Dean R&D Dr. Mahabaleshwar S. K., and HoD Dr. R. L. Naik. The programme was successfully coordinated by Prof. S. G. Nayak and Prof. S. S. Kandagal.

The exhibition fostered experiential learning, teamwork, and innovation, inspiring students to translate classroom knowledge into real-world engineering solutions.



Project Demo by First Year Students'



The Department of Electrical and Electronics Engineering, Basaveshwar Engineering College, Bagalkote, organized “Project Demo 2025–26” on 16th January 2026, providing first-year students with an opportunity to showcase their creativity, technical curiosity, and hands-on learning through innovative mini-project demonstrations.

A total of 18 student groups presented working models across fundamental engineering themes, encouraging early exposure to design thinking, problem-solving, teamwork, and practical implementation of classroom concepts. The activity helped students build confidence and develop essential technical and presentation skills at the beginning of their engineering journey.



The programme was inaugurated by HoD Dr. R. L. Naik, with projects evaluated by Prof. S. S. Kandagal, and was successfully coordinated by Dr. S. Y. Goudappanavar and Prof. Apoorva Kulkarni. The event effectively nurtured innovation and experiential learning among budding engineers, laying a strong foundation for future academic and technical excellence.



BEC IEEE Student Branch Achievements

- The Department proudly congratulates Dr. Sangamesh Goudappanavar for receiving the “Outstanding Student Branch Counselor” Award from IEEE North Karnataka Subsection for his dedicated leadership and mentorship.
 - Under his guidance, the IEEE Student Branch of Basaveshwar Engineering College, Bagalkote achieved notable recognitions:
 - Outstanding Student Branch Award
 - Top 25 Student Branch Award
 - Membership Development Champion (MDC) Winner – IEEE Bangalore Section

The department congratulates Dr. Sangamesh and the entire IEEE team for these outstanding accomplishments.

- The Department of Electrical and Electronics Engineering proudly congratulates its faculty members on their recent professional recognitions. Dr. B. F. Ronad and Prof. M. L. Chikkadesai have been selected as Executive Committee Members (EXECOMs)-2026 of the IEEE North Karnataka Subsection, and Dr. S. Y. Goudappanavar has been selected to the IEEE Power & Energy Society Bangalore Chapter.

The department extends its heartfelt congratulations and best wishes to the faculty members.

Faculty and Students Achievements



The Department of Electrical and Electronics Engineering, Basaveshwar Engineering College, Bagalkote, congratulates Dr. Sangamesh Goudappanavar on his selection for the Training of Trainers (ToT) under the Vayumitra Skill Development Program (VSDP) organized by the National Institute of Wind Energy (NIWE), MNRE, Government of India.

The programme is being conducted at Skill India Centre, Courtallam–Kayathar, from 19th to 30th January 2026. This national-level training in wind energy technologies reflects his professional excellence and commitment to renewable energy skill development.

Dr. Sangamesh Goudappanavar served as a Resource Person in the National FDP on “Renewable Energy Sources in Smartgrid” at Basaveshwar Engineering College, Bagalkote, and delivered a session on “Foundations of Environment, Health and Safety” on 01st January 2026. The department appreciates his valuable contribution.



Prof. Sunita Tambakad delivered an expert session on “Wind Energy Conversion Systems” on 8th January 2026 during the Renewable Energy Workshop for diploma students at BVVS Polytechnic College, organized in collaboration with Bharatiya Vikas Trust. Her session provided practical insights into wind energy technologies and promoted awareness of renewable energy applications among students. The department appreciates her valuable contribution.

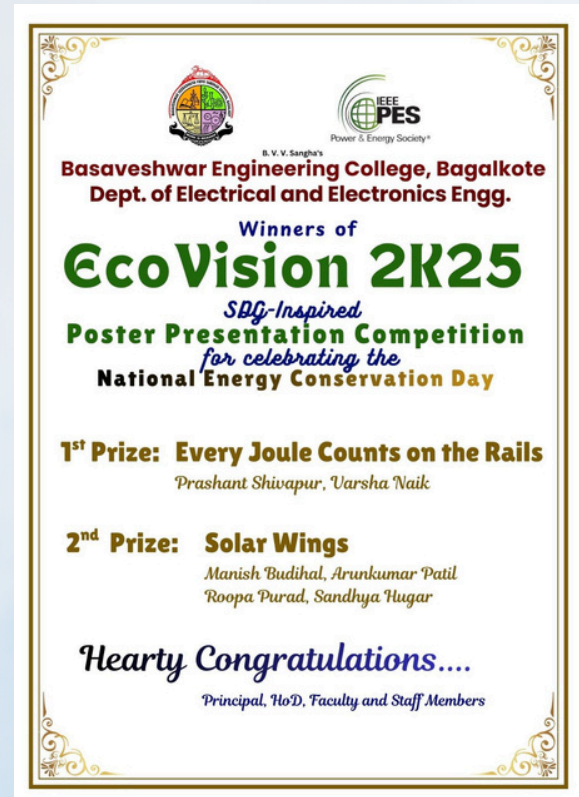
An online session on “IPR Basics for Innovators and Entrepreneurs” was held on 06th January 2026 via Google Meet by Prof. S. S. Kandagal, Assistant Professor, Department of EEE, Basaveshwar Engineering College, Bagalkote.

He explained the fundamentals of Intellectual Property Rights (IPR), covering patents, copyrights, and trademarks, and guided participants on safeguarding their innovations. The session provided valuable insights for students and aspiring entrepreneurs.

B. V. V. Sangha's
BASAVESHWAR ENGINEERING COLLEGE, BAGALKOTE
Institute innovation Council 8.0
organizes
A Session on
IPR Basics for Innovators & Entrepreneurs
Prof. S. S. Kandagal
Innovation Ambassador
Assistant Professor
Dept. of EEE
BEC, Bagalkote
Dr. Santosh Malkapur
IIC Coordinator
Dr. B. R. Hiremath
Principal
21.11.2025 7:00 PM Google Meet

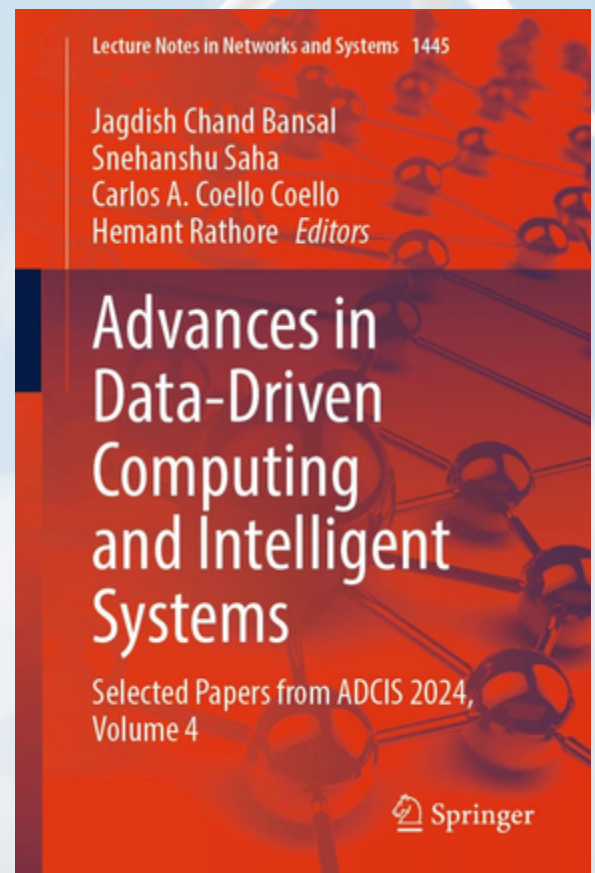
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The Department of Electrical and Electronics Engineering, Basaveshwar Engineering College, Bagalkote, in association with the IEEE Power & Energy Society, successfully organized SparkVision 2K26 – Paper Presentation Competition and “Eco Vision 2K25” – an SDG-Inspired Poster Presentation Competition to commemorate National Energy Conservation Day. The department heartily congratulates all the winners for their innovative ideas and outstanding technical contributions.



The Department of Electrical and Electronics Engineering, Basaveshwar Engineering College, Bagalkote, proudly congratulates our faculties and students for their research articles published in the Springer Lecture Notes in Networks and Systems (LNNS) book series on 2nd January 2026:

1. “Development and Analysis of Wake Effect of Vertical-Axis Wind Turbine Generator on HAWTG Based on Experimental Method” — authored by Sangamesh Goudappanavar, S. H. Jangamshetti, Basanagouda Ronad and Shrees hail Majjagi.
2. “Design, Development and Performance Testing of Multi-task Multi-tank Water Level Controller with Automated Power Supply for Multistoried Buildings” — authored by S. Spurthi, Balchandra Chandragirivar, Premkumar Kulekumatagi, Komal Teli, Girish Bhadr agond and Basanagouda Ronad.
3. “IoT Based Control Mechanism for Solar PV Water Pumps Employed for Water Distribution in Academic Campus”, — authored by Basanagouda Ronad, Sangamesh Goudappanavar, Basavaraj Hugar, Santosh Raikar, Santosh Kumbalavati & Kiran Bendigeri.



Institute

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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.

“Education is the key to creative thinking, and creative thinking leads to progress.”

– Dr. S. Radhakrishnan

Former President of India

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



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BEC IEEE PES



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