



Monthly Newsletter of Electrical and Electronics Engineering Department

F E B R U A R Y 2 0 2 6

Editorial Message

The February 2026 edition of WAVE showcases a month of achievement, skill development, and industry engagement for the Department of Electrical and Electronics Engineering, Basaveshwar Engineering College, Bagalkote. We are proud to announce that five students have been placed in Torrent Power Ltd., reflecting our strong academic foundation and industry-oriented training.

The department conducted a 10-day SDP on "Implementation of Linear Data Structures Using Python" and a 3-day SDP on "Embedded Systems Using ARM Controller," enhancing students' technical competencies. A 5-day FDP on "Smart Irrigation Systems – Design, Automation, Integration and Sustainable Practices in Agriculture" and active faculty participation in various FDPs and training programmes strengthened our academic and research capabilities.

The Industry–Academia Conclave 2026 fostered meaningful collaboration with industry experts, while the Anti-Ragging Awareness Programme reaffirmed our commitment to a safe and inclusive campus environment. We thank our students, faculty, alumni, and industry partners for their continued support as we strive toward excellence and innovation.

Placement Highlights

The Electrical and Electronics Engineering Department recorded a commendable placement season, with students securing roles in prominent core and technology-driven companies. The achievements highlight the department's focus on skill development, practical learning, and industry-oriented training. Each placement stands as a testament to the hard work of our students and the department's commitment to nurturing competent and future-ready engineers.



Mr. Kartik Biradar
Engineer, Torrent Power Ltd
CTC: 4.8 LPA
"Every step in the process increased my confidence in my fundamentals"



Ms. Srushti Mathapati
Engineer, Torrent Power Ltd
CTC: 4.8 LPA
"During this placement my interview session was very good and they asked me about major project"



Mr. Sumanth Veeraghantimath
Engineer, Torrent Power Ltd
CTC: 4.8 LPA
"The path may test you, but it cannot defeat you if you keep moving"



Ms. Shivaranjini Malipatil
Torrent Power Ltd with CTC: 4.8 LPA
TCS with CTC: 3.36 LPA
"The Interview process was a valuable experience where I got to know my strengths and the areas to improve"



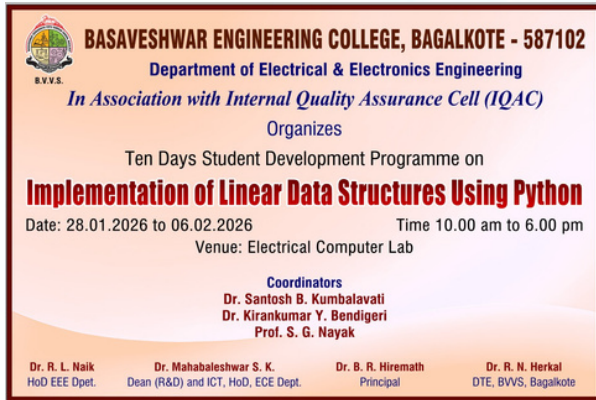
Ms. Srusti
Engineer, Torrent Power Ltd
CTC: 4.8 LPA
"The interview was challenging, but it gave me a rewarding experience"

Ms. Srushti Mathapati has been selected from our college for the IEEE EE Summer School Training Programme held at the Indian Institute of Science (IISc), Bangalore. During the programme, she appeared for an internship interview and was successfully selected to pursue her internship at IISc under the guidance of Prof. Gurunath Gurrula.

The department heartily congratulates her on this remarkable achievement and wishes her great success in her academic and research journey.



Implementation of Linear Data Structures Using Python



The Department of Electrical and Electronics Engineering, Basaveshwar Engineering College, Bagalkote, successfully organized a Ten Days Student Development Programme (SDP) on “Implementation of Linear Data Structures Using Python” from 28th January 2026 to 6th February 2026

The programme was inaugurated in the presence of Dr. R. N. Herkal, Director, B.V.V. Sangha, with Mr. Vivek Pandey, Senior Technical Trainer, Talent Battle, Kolhapur, serving as the Resource Person for all ten days

The SDP aimed to strengthen students’ understanding of linear data structures and enhance their programming skills using Python. The sessions covered arrays, stacks, queues, linked lists, searching, sorting techniques, and time complexity analysis. The training followed a hands-on approach with live coding, problem-solving sessions, and exposure to competitive programming platforms such as LeetCode, HackerEarth, and HackerRank

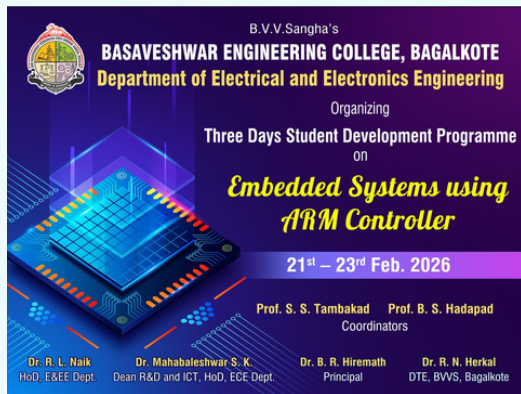


A total of 60 sixth-semester students actively participated in the 60-hour programme, demonstrating strong engagement and enthusiasm throughout. At the end of the programme, students were able to implement data structures using Python, analyze algorithm efficiency, and confidently approach placement-oriented coding problems. The feedback received was highly positive, reflecting the effectiveness and impact of the initiative

The department congratulates the coordinators and organizing team for successfully conducting this enriching Student Development Programme and contributing to the academic and professional growth of the students.



Embedded Systems Using ARM Controller



The Department of Electrical and Electronics Engineering, Basaveshwar Engineering College, Bagalkote, successfully organized a Three Days Student Development Programme (SDP) on “Embedded Systems Using ARM Controller.” The programme was inaugurated on 21st February 2026 at 9:30 AM in the Gallery Hall.

The inaugural session was presided over by Dr. B. R. Hiremath, Principal, BEC Bagalkote, in the gracious presence of Dr. R. N. Herkal, DTE, B.V.V. Sangha

The programme provided intensive hands-on training on ARM architecture and Embedded C programming. Sessions covered data types in Embedded C, Special Function Registers (SFRs), LED interfacing, alternate LED blinking, serial lighting techniques, input-output programming, stepper motor interfacing, and 7-segment display control

The SDP offered valuable exposure to real-time embedded system development, enhancing students’ practical skills and industry readiness. The department congratulates the coordinators and organizing team for successfully conducting this technically enriching programme.

The department extends its heartfelt congratulations to the coordinators, Prof. Sunita S. Tambakad and Prof. Basavaraju S. Hadapad, for their dedicated efforts and successful completion of the programme.



Smart Irrigation Systems - Design, Automation, Integration and Sustainable Practices in Agriculture



The Department of Electrical and Electronics Engineering, Basaveshwar Engineering College, Bagalkote, successfully organized a Five Days Faculty Development Programme (FDP) on “Smart Irrigation Systems: Design, Automation, Integration and Sustainable Practices in Agriculture” from 9th to 13th February 2026.

The programme was inaugurated on 09-02-2026 by Dr. Selva Balan, Joint Director, Central Water & Power Research Station, Pune. In his inaugural address, he emphasized the importance of integrating automation, sensing technologies to achieve sustainable irrigation practices.

The FDP covered important aspects of smart irrigation, including IoT-based monitoring, automation, renewable energy integration, and decision support systems, with expert insights from academia and industry.

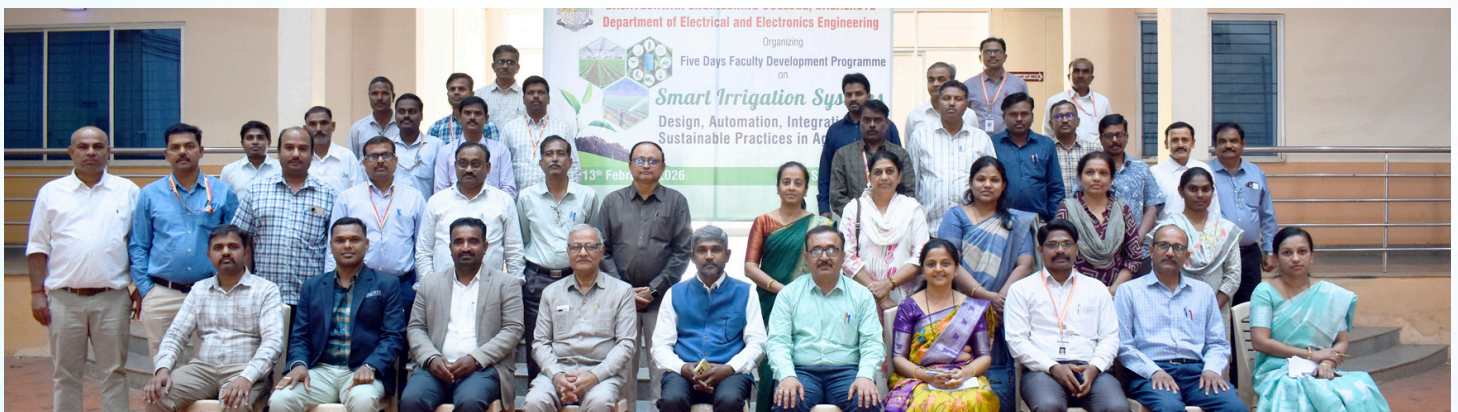
A key highlight was the field visit to the Netafim Irrigation Plant, where participants gained hands-on exposure to advanced drip irrigation systems and interacted with farmers, making the learning experience practical and enriching.



Resource Persons:

- Dr. Selva Balan – CWPR, Pune
- Dr. Sunil C. K. – IIT, Dharwad
- Mr. Jagadish Belagali – KREDL, Bangalore
- Mr. Mahadevgouda H. – WRD, GoK
- Prof. B. Venugopal Reddy – NIT Warangal
- Dr. S. M. Prasanna – College of Agriculture, Bidar
- Dr. Kawale Nagendra – UHS, Bagalkote
- Dr. R. L. Naik, Professor, BEC, Bgk
- Industry experts from Orbia (Netafim) and Krishi Tharanga Farmtech LLP

The FDP was coordinated by Dr. B. F. Ronad, whose dedicated efforts, along with the committed support of the department staff, ensured the smooth and successful conduct of the programme.



Photos of Faculty Development Programme



Photos captured during sessions from Mr. Mahadevgouda H., Dr. Selva Balan, Dr. S. M. Prasanna



Photos captured during field visit to smart irrigated farmlands of lakkundi, Gadag

Anti-Ragging Awareness Programme



The Department of Electrical and Electronics Engineering, Basaveshwar Engineering College, Bagalkote, organized an Anti-Ragging Awareness Programme on 20th February 2026 at the EEED Seminar Hall.

The programme was coordinated by Prof. Shivakumar Nayak, who also addressed the students and created awareness about the importance of maintaining a safe, respectful, and inclusive campus environment. In his talk, he emphasized the legal implications of ragging, the institutional policies in place, and the responsibility of students in upholding discipline and mutual respect within the campus.

The session highlighted the need to foster healthy interactions among students and encouraged them to report any form of harassment without fear. The programme reinforced the institution's commitment to a ragging-free campus and promoting a culture of dignity and harmony.

The department appreciates Prof. Shivakumar Nayak for effectively coordinating the programme and sensitizing students on this important social and ethical issue.



Industry–Academia Conclave 2026

Sustainable Power Systems and Energy Integration: Bridging Academia with Industry



The Department of Electrical and Electronics Engineering, Basaveshwar Engineering College, Bagalkote, in association with the IEEE PES Bangalore Chapter, successfully organized a flagship event, Industry–Academia Conclave 2026, on 28th February 2026. The conclave aimed to bridge the gap between industry practices and academic learning by bringing together eminent industry experts and academicians on a common platform.

The programme was inaugurated by Dr. Chandrasekhar Reddy Atla. The dignitaries and participants were welcomed by Dr. S. Y. Goudappanavar. Dr. Mahabaleshwar S. K. addressed by emphasizing the importance of strengthening industry–academia collaboration in sustainable power systems. Dr. R. L. Naik briefed the gathering about the objectives and significance of the Industry Conclave. The session concluded with a vote of thanks proposed by Mr. Bharatesh.



The keynote session by Mr. Ram Kumar, Chief Manager, Grid Controller of India, provided valuable insights into Indian power grid operations, SCADA-based monitoring, frequency control & challenges in RE integration. Technical session by Dr. Chandrasekhar Reddy Atla, General Manager, PRDC Bengaluru focused on RE integration and career guidance for engineering students.

A panel discussion featuring industry and academic experts addressed emerging trends such as AI in power systems, grid reliability, job opportunities, and industry expectations from graduates. The afternoon session included interactive student-centric activities and career guidance interactions.

The conclave was coordinated by Dr. S. Y. Goudappanavar, Branch Counselor of IEEE BEC-SB, whose efforts ensured the successful conduct of this flagship event. The department appreciates the organizing team and IEEE volunteers for making the conclave a grand success.



Faculty Achievements



Prof. S. S. Kandagal, Prof. M. L. Chikkadesai, Prof. B. S. Hadapad, participated in the Faculty Development Programme on “Industrial Automation” held from 29th January to 2nd February 2026. The programme was organized by the Department of Mechanical Engineering, Basaveshwar Engineering College, Bagalkote. The department congratulates them on this academic achievement.

- Dr. Sangamesh Y. Goudappanavar, Department of Electrical and Electronics Engineering, participated in the Conference Organizers Education Workshop (COEW) organized by the IEEE Mangalore Subsection on 16th, 18th, 20th, and 23rd February 2026. The workshop focused on enhancing knowledge and best practices in organizing high-quality IEEE conferences. The department congratulates him on this professional accomplishment and his continued contribution to IEEE activities.
- Prof. Santoshkumar Kandagal, successfully completed the Innovation Ambassador (IA) Training – Advanced Level conducted by MoE’s Innovation Cell & AICTE during the IIC calendar year 2025–26. The 30-hour online training focused on strengthening innovation and entrepreneurship mentoring capabilities. The department congratulates him on this achievement.
- Prof. Sunita Tambakad and Prof. Apoorva Kulkarni, participated in the one-week Faculty Development Programme on “Project Based Learning in VLSI using Industry Standard Tools” held from 3rd to 7th February 2026. The programme was organized by the Department of Electronics and Computer Engineering, BEC. The department congratulates them on this academic accomplishment.

Prof. Sunita S. Tambakad and Dr. S. Y. Goudappanavar served as Resource Persons for the 3-Day Faculty Pedagogy Training Programme on “Effective Teaching Practices” organized by the Departments of ECE and Mechanical Engineering in association with IQAC.



Prof. S. S. Kandagal, Prof. M. L. Chikkadesai, Prof. B. S. Hadapad, and Prof. Apoorva Kulkarni actively participated in the 3-Day Faculty Pedagogy Training Programme from 26th to 28th February 2026 organized by the Departments of ECE and Mechanical Engineering in association with IQAC. The department appreciates their contribution and involvement in strengthening effective teaching methodologies.

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.

“Discipline and dedication are the foundation stones of success.”

-Sir M. Visvesvaraya

Bharat Ratna Awardee & Father of Modern Engineering in 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



bec_ieee_pes



BEC IEEE PES



Basaveshwar Engineering College

Department of Electrical and Electronics Engineering

Vidyagiri, Bagalkote, Karnataka 587103