B.M.S COLLEGE OF ENGINEERING, BENGALURU-19
(Autonomous Institute, Affiliated To VTU)
Department of Electrical and Electronics Engineering

Activities in the month of January 2025

1. 13th January 2025: Dr. Prema V, Associate Professor, EEE delivered a technical session on 'Advancements in Power Electronics with Wide Band Gap Devices' during a two-week Faculty Development Program at New Horizon College of Engineering, Bengaluru.
2. Dr. Nethravathi.S, EEE was invited as an External Session chair for the paper presentation session at the IEEE International Conference on "Intelligent and Innovative Techniques on Computing, Electrical and Electronics" on 16th January 2025 at BNM Institute of Technology, Bengaluru.
3. 17th January 2025: Department of Electrical & Electronics signed an MoU with Reliamotive labs to set up the training centre CHARGE (Centre for Holistic Advancements in Renewable Grid and Electrification).
4.

Activities in the month of February 2025

17th february 2025: "Sai Karthik Academic Achievement Award" for the year 2024-2025 was presented to Ms. Ananya G (1BM21EE005) along with a cash Price of Rs.10,000 for being the Topper in Power Electronics Course.

21st february 2025: CS Coders are winner of gold medal in the 2 day Skillfit on 21st Feb 2025 held as a part of FDP on "Empowering Educators: Leadership, Research, and Pedagogical Excellence"

21st February 2025: Dr.A.N.Nagashree, Runner-up winner (Silver medal) for " PRODUCT LAUNCH" in the 2 day Skillfit on 21st Feb 2025 as a part of FDP on "Empowering Educators: Leadership, Research, and Pedagogical Excellence"

20th February 2025: Soniya Agrawal, Assistant Professor, Department of Electrical & Electronics Engg. published a paper titled "A Five-Level Switched Capacitor-Based Common-Ground Inverter for Photovoltaic Applications" in the International Journal of Circuit Theory and Applications (Q2).

22nd February 2025: IEEE PELS BMSCE Student Branch chapter received Highest Membership Award from IEEE PELS Bangalore chapter

22nd February 2025: Dr. Prema V, Associate Professor, Department of Electrical & Electronics Engg. received best faculty award for the year 2024 from IEEE PELS Bangalore chapter

22nd February 2025: Prof. Chaitanya L, Assistant Professor, Department of Electrical & Electronics Engg. received outstanding ex-officio award for the year 2024 from IEEE PELS Bangalore chapter

.

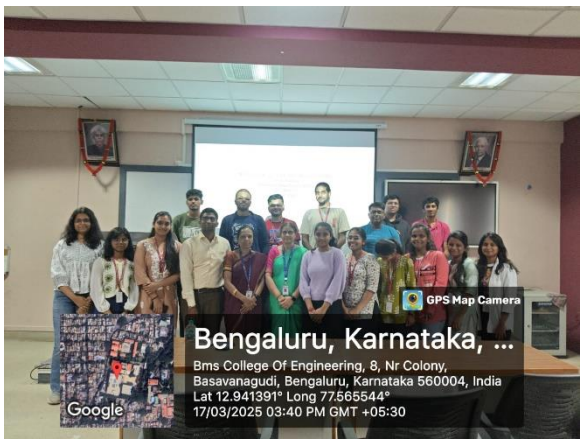
22nd February 2025: Dr.UMAVATHI M., Assistant Professor in the department of EEE invited as a Department Advisory Board (DAB) Meeting for the academic year 2024-2025,in BNM Institute of Technology, Bengaluru.

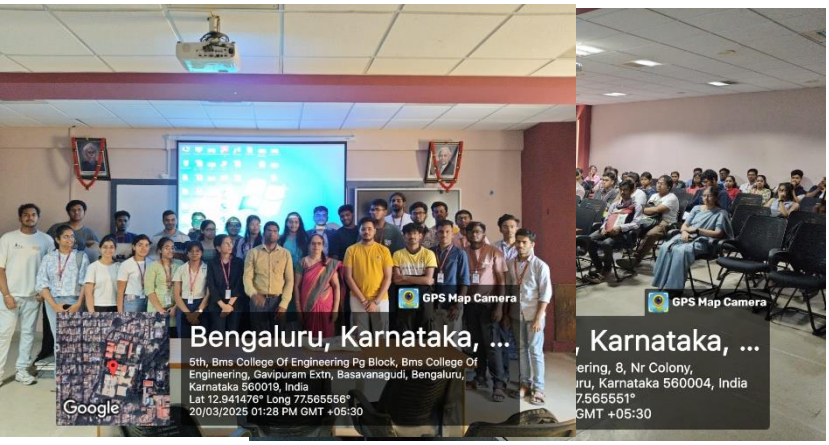
15th February 2025: Dr. B. Venkatesh, Dr. Prakash DB and Dr. Nindra Sekhar organized an insightful talk on "Electromagnetic Compatibility (EMC)" from Bosch Global Software Technologies Private Limited,Bangalore has been organised on 15th February 2025 at 10 am in EEE Department. The talk is scheduled from 10 to 11.15 am .Resource persons Sri. Deepesh Rao, Associate Technical Director - V&V Hardware, Sri. Lohith Kumar, Technical Director, and Dr. Bibhu Prasad Nayak, EMC Simulation Expert, provided valuable insights into EMC principles, challenges, and real-world applications. Bo UG and PG students and faculty have participated in the talk.

February 19, 2025: Dr. Madhavaram T, Dr. Ravulakari Kalyan, and Dr. Nindra Sekhar were honored with the Silver Medal for their outstanding contributions to "FDP Activity in Teaching." This recognition was awarded as part of the Faculty Development Program (FDP) titled **"Empowering Educators: Leadership, Research, and Pedagogical Excellence."**

Dr. R.Kalyan, Dept. of Electrical and Electronics engineering co-ordinated for the first year induction programme (phase-2). The sessions details are follows:

1. New Curriculum and regulations by **Dr.Champa V.**
2. Honors and Minor degree programs and their significance for career growth by **Dr. Balachandra K.**
3. Vertical progression, readmissions and attendance policies by **Dr. A.N.Nagashree**
4. Examination patterns by **Dr. K. Padmavathi**
5. Skill Enhancement programs and their significant for career growth by **Dr.S.Pradeepa**





Dr.Nindra Sekhar and **Dr. Venkata Madhavaram Tatabhatla** published an article in *International Journal of Modelling and Simulation, Taylor and Francis (Q2) on 01.04.2025*, Sekhar, N., Tatabhatla, V. M. R., & N, K. (2025). A novel single sensor maximum power point tracking algorithm for standalone photovoltaic systems. *International Journal of Modelling and Simulation*, 1–20. https://doi.org/10.1080/02286203.2025.2485441

Dr. Venkata Madhavaram Tatabhatla has attended a Workshop titled "Smart Technologies for Sustainable Energy Systems", jointly organized by IEEE Uttar Pradesh Section with support from IEEE Region 10 Educational Activities Committee and IEEE India Council, from April 6, 2024, to April 11, 2025.

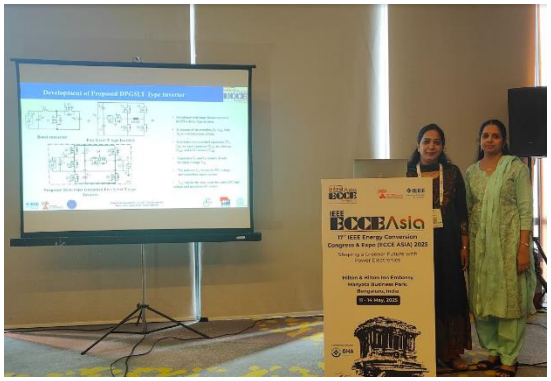
Dr. Venkata Madhavaram Tatabhatla has attended the **MATLAB EXPO** on **22nd April 2025** at Radisson Blu, Marathahalli, Bengaluru, Karnataka 560037

12th April 2025 : Dr.Umavathi.M, Associate Professor in the Department of Electrical and Electronics Engineering,invited for a project exhibition 2025 in the dept. EEE BNM Institute of Technology,Bengaluru.

The superannuation function of Mr. Sukumaran P.R. , Helper at EEE Dept. was conducted on **29.04.2025** both at institution level and department level.

10th May 2025 : Dr. Netravathi S Associate Professor and Soniya Agrawal, Assistant Professor in the Department of Electrical and Electronics Engineering, invited to serve as a jury member for the Intercollegiate Project Exhibition - ÄVIṢKÄRA 2025, in association with the ISTE and IEEE Student Branch Chapter Bangalore Section at Vemana IT, Bangalore.

12th MAY 2025: Dr. Umavathi .M Associate Professor in the Department of Electrical and Electronics Engineering, published a research article in the Web of Science Journal titled "Enhancing Performance toward Torque and Flux Control Through a Hybrid Approach of Intelligent and DTC for SRM Drives" in IEEE Access, which has an impact factor of 3.4. https://doi.org/10.1109/ACCESS.2025.3569277



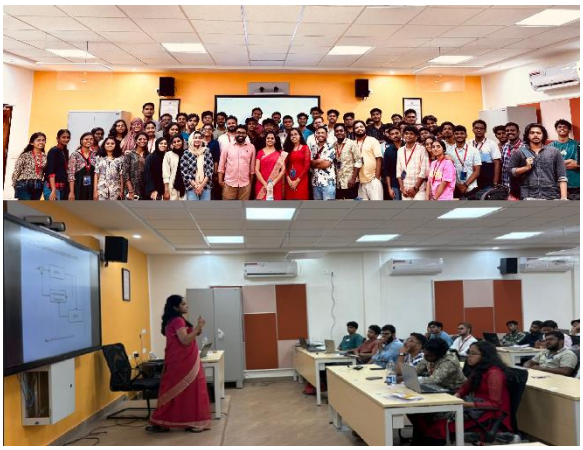
13th May 2025 : Soniya Agrawal, Assistant Professor and Dr. Prema V Associate professor in the Department of Electrical and Electronics Engineering, Presented a paper titled "**Dual Point Grounded Five-Level T-type Inverter for Photovoltaic Applications**" in the 17th Edition of ECCE Asia IEEE conference, held from 11th–14th May 2025 at Hilton and Hilton Garden Inn, Embassy Manyata Business Park, Bengaluru.

14th May 2025 : Department of Electrical and Electronics Engineering In association with IEEE Power Electronics Society (PELS) Bangalore Chapter PELS Distinguished Lecture Program featured an expert session by Prof. **Sanjib Kumar Panda an Associate Professor, National University of Singapore (NUS)** and Area Director, Power & Energy Research Group,on the topic "A Plug and Play Operational Approach for Implementation of an Autonomous Microgrid System."

19th May 2025:-Department of Electrical and Electronics Engineering organized Final Year UG Project Competition **" Anvesh-25"** Sponsored by Entuple technologies, EEE Association, IEEE SSIT and IEEE PES & SC BMSCE SBC.The event was coordinated by Soniya Agarwal Assistant Professors in the department.

26th May 2025: Dr. Chandasree Das, Professor, in the Department of EEE in collaboration with EEE Association organized an Invited talk on "Semiconductor Manufacturing: Opportunities and Prospects in India for Fresh Engineers", by Prof. Sushobhan Avasthi from CeNSE, IISc, Bangalore

.

29th MAY 2025: Dr. Umavathi .M Associate Professor in the Department of Electrical and Electronics Engineering,along with the Research scholar Hemavathi .R, et al. published a research article titled "Electroluminescence Imaging For Defect Analysis in Polycrystalline Solar Cells" in Web of Science Metallurgical and Materials Engineering, which has an impact factor of 0.9. https://doi.org/10.63278/1705

23rd June 2025: Dr. Prema V delivered a technical talk and hands-on session during a one-week training course on 'Integrated Skills in Power Electronics and Embedded Systems' at National Institute of Technology, Calicut, Kerala