



## B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

### REPORT ON COLLEGE ACTIVITIES – APRIL 2025

April 1<sup>st</sup>, 2025



Dr.Nindra Sekhar and Dr. Venkata Madhavaram Tatabhatla, Assistant Professors in the department of Electrical & Electronics Engg., co-authored & published an article titled, 'A novel single sensor maximum power point tracking algorithm for standalone photovoltaic systems' in International Journal of Modelling and Simulation, Taylor and Francis (Q2): Sekhar, N., Tatabhatla, V. M. R., & N, K. (2025).. International Journal of Modelling and Simulation, 1-20.  
<https://doi.org/10.1080/02286203.2025.2485441>



Department of Electronics and Instrumentation Engineering in association with ISA Bangalore section organized 'ISAB BMSCE WEEK 2025'. The following workshops were scheduled.

- Pepper Board - FPGA Open-Source Platform conducted by Sri. Santosh and Sri.Mruthunjaya from Pantherun Technologies.
- PLC Automation Workshop conducted by Ms. Vandana N and Ms.Kavya from Strategi Automation.
- 'HMI Workshop: Human-Machine Interface Design with Python (Tkinter)' by Sri.Anand Iyer, Principal Consultant, ICI.

- Industrial Safety Standards Session by Sri. P. S. Krishna, Consultant, Control Systems & Senior lifemember, ISAB.
- Soft PLC CODESYS Programming with Raspberry Pi by Dr. Pavanraj Rangegowda and Sri. Aditya Lal from Modelicon Infotech.
- Panel Discussion on Research and Innovation, 5G and Beyond- Sri. Sunil Ranjan, DoT, India, Sri.Sunil G, Nokia, India, Sri.Kandasamy, Signaltron, Sri.Vineeth, GE, Healthcare, Bangalore, Dr.Jayeah Barve, GE , Bangalore





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April 2<sup>nd</sup>, 2025

- Dr. Harish K N, Assistant Professor, Dept. of Chemistry co-authored & published a research paper titled, 'Fabrication of Zirconia-doped  $\text{Cu}_2\text{O}/\text{CuO}/\text{Cu}$  heteronanocomposite: Enhanced electrochemical sensor, antibacterial and photocatalytic activity', Ionics (Springer Nature Link) (2025). 2<sup>nd</sup> April 2025. Q3 Journal. Impact factor: 2.6, ISSN: 0947-7047. DOI: <https://link.springer.com/article/10.1007/s11581-025-06278-1>

- Singularity, the Astronomical Society of the college organised Space Week during April 2<sup>nd</sup>-4<sup>th</sup> 2025, a space festival to bring together astronomy enthusiasts to re-ignite the spark of astronomy within them. Following events were organised:

- She Among the Stars: An Astronomical Talk was organized in collaboration with BMSCE IEEE WIE and sponsored by CosmoFluencer. The event was followed by the official orientation of Space Week 2025, marking the beginning of a week full of celestial learning and cosmic exploration.



- OR[BIT]2 - A workshop and Code-A-Thon on Signal Processing of Astronomical Data was organised in collaboration with BMSCE IEEE PELS and IES. The event was successfully conducted during April 2<sup>nd</sup> & 3<sup>rd</sup>, 2025 under the guidance and collaboration of Sri.Amit Vishwas, Research Scientist, Cornell University, USA.



- BMSCE Cricket Men team secured Runners-up position in VTU Inter-Collegiate Bengaluru Central Division Cricket Tournament for Men 2025-26, organized at East Point College of Engineering & Technology, Bengaluru during 21<sup>st</sup> March - 2<sup>nd</sup> April 2025.





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April 3<sup>rd</sup>, 2025

MOU was signed between M/s Prasanna Technologies Pvt. Ltd., Mangalore & the college. Dr. Anil Chandra A.R, Assistant Professor in the department of Mechanical Engineering is the Principal Investigator and Dr.Sangamesh C. Godi, Assistant Professor in the department of Mechanical Engineering is the Co- Principal Investigator.

Singularity, the Astronomical Society of the college organised the event, “STELLAR WARS”, as a part of Space Week in collaboration with IEEE SSIT. CosmoFluencer sponsored the event. Mr.Kshitij D, second year student from the department of ECE & JCC Singularity, Ms.Gayatri Jayprakash Sonawane second year student from the department of ASE & JCC Singularity and Mr.Rohith Naragund, second year student representing IEEE SSIT coordinated the event.



April 4<sup>th</sup>, 2025

Singularity, the Astronomical Society of the college in collaboration with the IEEE Communication Society organised the event, ‘Astral Escape: Mission to the Unknown’ as part of Space Week.



Department of Physics organised a Guest Lecture on the topic, ‘The story of Sir C V Raman - His Scientific outlook & How he won the Nobel Prize’ by Dr. P Basavaraju, Educationist & Author of Engg., Physics Text Books.





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- Department of Electronics and Communication Engineering organised a talk on 'Novel Image Based Representations for Authenticating Users Based on Continuous Mouse Dynamics' for the students of the department. Dr.Suresh Sundaram, Associate Professor, Dept., of EEE, IIT Guwahati was the resource person. Dr.Archana H R, Assistant Professor, in the department coordinated the event.



- Dr.B Kanmani, Professor in the department of Electronics & Telecom. Engg., was invited to conduct one day Workshop for faculty on, 'Outcome Based Education', organized jointly by the Tamil Nadu State Council for Higher Education (TANSCH) and the Directorate of Technical Education (DoTE) at Anna University Campus, Chennai, Tamil Nadu.



- Dr. G. Giridhara, Professor, Department of Mechanical Engineering attended the Academic Council meeting (Virtual mode) of G. Pulla Reddy Engineering College (Autonomous), Kurnool, Andhra Pradesh as a member.

April 5<sup>th</sup>, 2025

- Dr. Sharanappa Chapi, Assistant Professor in the department of Physics co-authored and published a research paper titled, 'Electron Beam Irradiation's Effect on Polyaniline/LiClO<sub>4</sub>/CuO Nanocomposite: A Study of Dielectric, Conductivity and Electrochemical Properties' in Applied Sciences, Impact factor-2.5, Volume 15(7), Q2 Journal, ISSN: 2076-3417. <https://doi.org/10.3390/app15074001>

- Dr.S.B. Bhanu Prashanth, Professor in Medical Electronics & Dean(First year BE) was invited as a Guest / Motivational Speaker on 'Discipline & Team work' at WH Technology Pvt. Ltd., Bannerghatta, Bengaluru.





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✚ Stoicheiodis Scientia Private Limited, a start-up founded by Dr. Y. K. Suneetha, Professor in the department of Chemical Engineering exhibited its products in the Start-up Mahakumbh-2025, with the tag, 'Bharath Innovates' organised at Bharath Mandapam, New Delhi during April 3<sup>rd</sup> to 5<sup>th</sup>, 2025.

✚ Dr.Bheemsha, Principal of the college inaugurated the conduction of Value Added Course on the topic, 'Harnessing Data: Analysing, Modelling & Visualisation' organised by the department of CSE(CS &DS) in association with BMSCE IEEE PES & Sensors Council. The 30-hour course scheduled to be conducted in the college for over a month.



✚ Dr. B Kanmani, Professor, Department of Electronics & Telecom. Engg., was invited to conduct one day workshop for faculty on, 'Outcome Based Education', organized jointly by the Tamil Nadu State Council for Higher Education (TANSCH) and the Directorate of Technical Education

(DoTE), at the Anna University Campus, Chennai, Tamil Nadu.



✚ Graduation Day-II for students batch of 2024 was organised in the college. Dr.Mahadeva Prasanna, Director, Indian Institute of Information Technology, Dharwad was the chief guest for the programme. Sri.Aviram Sharma, Trustee, BMSET presided over the program.





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April 6<sup>th</sup>, 2025

- Dr. Venkata Madhavaram Tatabhatla, Assistant Professor in the department of Electrical & Electronics Engg., 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 during April 6<sup>th</sup> - 11<sup>th</sup>, 2025.

April 7<sup>th</sup>, 2025

- Department of Medical Electronics organised a lecture on 'The Art of the Conference Paper Writing with Impact' by Dr. Sainath K, Assistant Professor in the Department of Chemical Engineering for the benefit of fourth and sixth semester students in the department.



- Department of Electronics and Communication Engineering organised an event, 'Industry Interaction with Silicon Microsystems (SIMs)' for the

faculties of the department. The event aimed at briefing about recent industry trends in the field of VLSI and Embedded systems and the solutions offered by Silicon Microsystems for academic collaboration. The event was coordinated by Mrs. Radha R C., Assistant Professor in the department.



- Department of Electronics and Communication Engineering organised a talk on 'Technology Trends Global and Indian Perspective' by Sri. Pathy Iyer, Director, ELTECH Consulting. This was followed by an inter-department faculty meeting to overview quantum scenarios and training options. The event organised by the department of ECE and IEEE SPS Student Branch was coordinated by Dr. Poornima G., Professor, Department of ECE.





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Department of Electronics and Communication Engineering organised 'Arduino Bootcamp', the flagship event of ELSOC for the first and second year students of the department during April 7<sup>th</sup>-9<sup>th</sup>, 2025. The participants were educated about the basics of Arduino, applications of sensors using Arduino and applications of actuators. At the end of each day, the participants were given a statement problem based on the concepts that were covered on the respective days. The submitted solutions were graded by the instructors. Dr. Archana H R, Assistant Professor, Dept., of ECE coordinated the event.



Departments of Electronics and Telecommunication Engineering, Electronics & Instrumentation Engineering, CS & IoT and CSDS in collaboration with Arohana Foundation organized a talk on 'Cyber crime and drug abuse awareness'.



The IICChE-BMSCE Student Chapter, Department of Chemical Engineering conducted two-day workshop titled, 'AI Tool Integration to Automate Research in Academics' during April 7<sup>th</sup>- 8<sup>th</sup>, 2025. Dr.G.N.Rameshaiah, Professor, Department of Chemical Engineering coordinated the event.



The ninetieth meeting of Board of Governors of the college was convened at the college.



April 8<sup>th</sup>, 2025

Dr.Raghu Yogaraju, Assistant Professor, Department of Mechanical Engineering attended Faculty Development Program on 'AICTE-ATAL IDEA LAB' at VTU



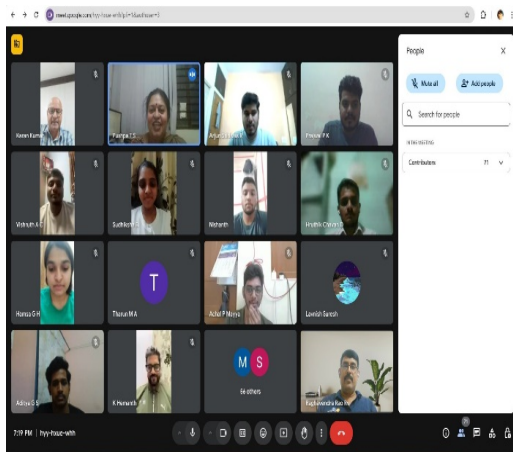
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Center for Post-Graduation Studies, Muddenahalli during April 8<sup>th</sup>-12<sup>th</sup>, 2025.

- The Placement Club of department of Computer Applications organised a virtual session by Sri.Karan Kumar, Head of Shruth & Smith Group and serial entrepreneur to explore internship opportunities for fourth semester MCA students. The session provided insights into current internship openings and highlighted projects like the Rural Enablement Program (REP), which promotes rural development through technological and entrepreneurial initiatives. The session aimed to bridge academic learning with practical experience, preparing students for meaningful, socially impactful internships. Sri. R V Raghavendra Rao and Smt. T S Pushpa, Assistant Professors in the department coordinated the event.



April 9<sup>th</sup>, 2025

- Department of Electronics and Communication Engineering in association with IEEE SSCS chapter organised lecture on 'Verification in VLSI Industry' as a part of C2S Project Training for six semester students in the department. The lecture aimed to offer a deep dive into the world of functional verification, a critical aspect of the VLSI design process. The resource person, Mr.Mahesha Shankarathota, Principal Engineer in IP Group at Synopsys India Pvt. Ltd., walked attendees through modern verification methodologies, tools and the real-world significance of verification in chip design. Dr. Kiran Bailey, Smt. Radha R C, Assistant Professors and Smt. K Sujatha, Associate Professor in the department coordinated the event.



- The Department of Electronics and Telecommunication Engineering organized an online talk on 'Ethics in Entrepreneurship' by Sri.Suyash Bhatt, Alumnus, Fellow - Judge Business School,

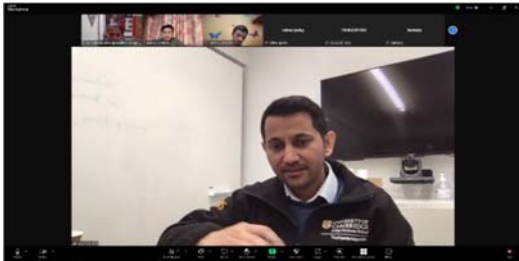


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University of Cambridge, Founder - Foodbud, Founder - Cambridge Education Lab, Co-founder-The Interactive Lab, for the benefit of fourth semester students in the department.



- ✚ Workshop on Competitive Programming was organized by Department of CSE (Data Science) for third year students. The workshop featured Mr.Sunag P from Ansys and Mr. Navaneeth Suresh from Moneyview as the speakers.

April 10<sup>th</sup>, 2025

- ✚ Dr. Jahnavi S., and Smt. Supriya P., Assistant Professors in the department of Machine Learning(AIML) attended four-day VGST Faculty Development Program conducted at NMIT, Bengaluru during April 7<sup>th</sup> – 10<sup>th</sup>, 2025.

April 11<sup>th</sup>, 2025

- ✚ Dr. Manish S., Assistant Professor in the department of Civil Engineering delivered a technical talk at SPICON-4 invited by Association of consulting Civil Engineers, Bidar center.

- ✚ BMSCE Kabaddi Men team were the Winners in VTU Inter Collegiate Bengaluru Central Division Kabaddi Men Tournament 2025-26 organized at SEA College of Engineering, Bengaluru.



April 12<sup>th</sup>, 2025

- ✚ The Department of Machine Learning organized an industrial visit to Cyberverspace in Mysore. Cyberverspace Foundation, a Section 8 company supported by KDEM, Bherunda Foundation and MYRA Trust, focuses on building a cybersecurity ecosystem through experiential, role-based learning. The visit aimed to provide practical exposure to applications in machine learning, cybersecurity and related technologies. A group of 30 students from fourth semester, accompanied by three faculty members in the department, Dr. Arun Kumar N, Smt.Varsha R., and Dr.Vinutha H., participated in the visit. Students engaged with industry



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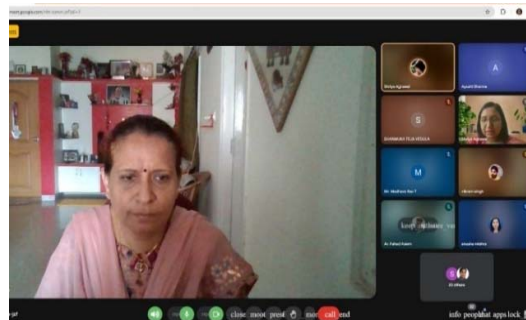
professionals, explored live projects, and gained insights into real-world technological infrastructure.



- Dr. Pradeepa S M, Assistant Professor, Dept. of Chemistry co-authored & published a research paper titled, 'Optimizing Parthenium waste: biomass-derived carbon adsorbents for adsorbing Amido Black 10B dye analyzed through graph theory for stability and reactivity', Biomass Conversion and Biorefinery (Springer Nature Link) (2025), 12<sup>th</sup> April 2025. Q2 Journal. Impact factor: 3.5, ISSN: 2190-6823. DOI: <https://link.springer.com/article/10.1007/s13399-025-06786-0>

- Dr. Umavathi M., Associate Professor in the Department of Electrical and Electronics Engineering was invited as a jury member for the project exhibition 2025 organised in the department of EEE, BNM Institute of Technology, Bengaluru.

- Dr. Rajeshwari Hegde, Professor, Department of Electronics and Telecom. Engg., was invited to deliver an online session on 'Meditation- A Scientific Tool for Wellbeing' organized by Integral University, Lucknow in collaboration with School of Planning and Architecture, Vijayawada.



- The student teams under the guidance of Smt. Varsha R., Assistant Professor in the Department of Machine Learning participated in the State-Level Project Competition - 'Inovate, Exhibit and Archive 2025' organised by Department of Computer Science and Engineering, Bangalore Institute of Technology bringing together innovative student projects from various institutions across the state. Among the teams, the project titled, 'Tumor Growth Monitoring using Dynamic Imaging' presented by Ms. Diksha C R, Ms. Gowri Kanekal and Ms. Hamsika A S, 6<sup>th</sup> semester students stood out by winning the Best Project Award. The team secured first place in



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the competition.



April 14<sup>th</sup>, 2025

- ✚ Ms.Seema N Poojary (8<sup>th</sup> semester), Ms.Vaishnavi K (8<sup>th</sup> semester), Mr.K R Yadava Priyan (4<sup>th</sup> semester) and Mr.Mohammed Farhan (4<sup>th</sup> semester), students of department of Chemical Engineering won the first prize for their project titled, '3D printed PLA filters reinforced with HAp and CS for flouride removal' in the Smart Materials and Additive Manufacturing category in the 9<sup>th</sup> National Level Techno-Exhibition organized at Dr. Ambedkar Institute of Technology, Bengaluru during April 13<sup>th</sup> -14<sup>th</sup>, 2025. The project was carried out by the students under the guidance of Smt. Shabnam Siddiqui, Assistant Professor in the department of Chemical Engineering.



- ✚ Dr. Pratibha S., Assistant Professor, Department of Physics co-authored & published a research paper titled, 'Facile Fabrication and Characterization of Sm<sup>3+</sup> doped LaAlO<sub>3</sub> nanophosphors for enhanced Luminescence and photocatalytic dye degradation' in the International Q2 Journal, Solid State Communications published in Elsevier Publications, with impact factor 2.1, Online ISSN: 1879-2766  
<https://doi.org/10.1016/j.ssc.2025.115960>

April 13<sup>th</sup>, 2025

- ✚ Dr. Ram Rohit V, Associate Professor, Department of Mechanical Engineering co-authored and published a Journal Paper/article titled, 'Deciphering the customer satisfaction of Indian online clothing stores' in Journal of Marketing & Social Research, Volume 2 Issue: 2 (March-April, 2025) | Pages 351 – 363  
DOI : <https://doi.org/10.61336/jmsr/25-02-30>

- ✚ Bharata Ratna Dr.B.R. Ambedkar's jayanthi was celebrated in the college.





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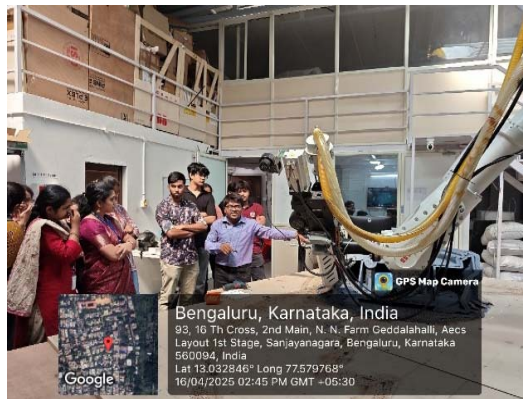
### REPORT ON COLLEGE ACTIVITIES – APRIL 2025

April 15<sup>th</sup>, 2025

- AICHE Student Chapter, Department of Chemical Engineering organized an event 'CHEMBINGO'. Dr. Samita Maitra, Professor, Department of Chemical Engineering & Faculty in-charge of the Chapter coordinated the event.



Smt.B.Pallavi B and Smt. Chethana V participated in the visit.



April 16<sup>th</sup>, 2025

- Department of Machine Learning (AI&ML) organized industry visit to GND Solution, Bengaluru for the fourth semester students. The industrial visit to GND Solutions provided valuable insights into cutting-edge technologies used in IoT, digital twins and smart monitoring systems. It provided an unique opportunity to connect theoretical knowledge with industrial applications, inspiring innovation and sustainability in engineering practice. A group of 37 students from fourth semester accompanied by two faculty members in the department,

- Dr.Abhishek Appaji, Associate Professor in the department of Medical Electronics co-authored and published an article titled, 'Optimal Ballistocardiography Sensor Placements for Vascular Health Monitoring' in Journal of Computational Methods in Science and Engineering, April 2025.

- Dr.Monika Puttaramaiah, Associate Professor, Dept. of Machine Learning(AI&ML) attended the 2-Day Faculty Training program organized by M/s Nvidia Graphics India Pvt. Ltd., & VTU on 16<sup>th</sup> and 17<sup>th</sup> of April, 2025 at Mahadevapura office, Bengaluru and secured DLI Certificate of Competency for the course, "Fundamentals of Deep Learning". She also provided technical support to organize the Faculty Training Program jointly with M/s Nvidia



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Graphics India Pvt.Ltd., at Mahadevpura office, Bengaluru during April 11<sup>th</sup> –17<sup>th</sup>, 2025.



April 17<sup>th</sup>, 2025

- Dr. B Kanmani, Professor, Department of Electronics & Telecommunication Engg., was invited to handle the sessions on 'Outcome Based Education', in the event organized jointly by the Tamil Nadu State Council for Higher Education (TANSCH), Chennai, Tamil Nadu.



- Ms.Rakshitha K M., and Ms.Reethya Giridhar, eighth semester students of Chemical Engineering under the guidance of Dr.Sainath K., Assistant Professor in the department of Chemical Engineering, presented their research work titled, 'Amine Modified ZIF-8 for Enhanced Chromium Removal from Wastewater through Central Composite Design (CCD)' and 'Enhanced Hexavalent Chromium Removal Using Modified Banana-based Hydrochar: A CCD-Based

Optimization Study' in the Syntropy 2025, a tech fest organized by MIT-WPU, Pune. The team is bestowed with 2<sup>nd</sup> best paper award.

- BMSCE Taekwondo Women team were the winners & Taekwondo Men team secured Runners-up position in VTU State Level Taekwondo Championship for Men & Women 2025-26 organized at Bangalore Institute of Technology, Bengaluru. Women Team won 2 Gold medals, 1 Silver medal & 4 Bronze medals. Men Team won 1 Gold medal & 3 Silver medals.



April 19<sup>th</sup>, 2025

- The department of Chemical Engineering organized an expert lecture on 'Introduction to Oil and Gas Industry: Role of Chemical Engineers' by Sri.Manjunath Rao, Director – Process Engineering at Utthunga, Bengaluru and a former professional at FODE, Mott MacDonald and WorleyParsons. The lecture provided students with an insightful overview of how the oil and



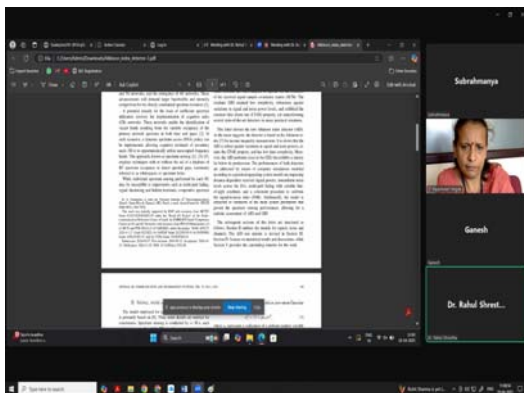
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gas industry functions across its upstream, midstream and downstream sectors. Sri.Rao elaborated on the essential contributions of chemical engineers in areas like plant design, safety, operations and optimization. A special focus was given to the importance of simulation tools in the oil and gas sector with real-world examples of how simulation enhances operational efficiency and process safety. The session witnessed enthusiastic participation from around fifty students and concluded with an interactive Q&A. The event was coordinated by Dr.Sreelakshmi Diddi, Associate Professor in the department.

Dr.Rajeshwari Hegde, Professor, Department of Electronics and Telecommunication Engineering organized a meeting with Dr.Rahul Shrestha, Alumnus & Associate Professor, IIT, Mandi to discuss the progress of a collaborative project.



Department of Electronics and Communication Engineering in association with ELSOC conducted 'Campus to Corporate - A one day Workshop' for the students in the department. Sri.Nikhil Bhatt, R&D Manager, Nokia Solutions Pvt. Ltd., was the resource person. Around fifty students actively interacted with the Industry expert in exploring various segment including Project Management, Effective Communication, Collaborative leadership, Critical thinking, Innovative and Design Thinking. Dr. Archana H R, Assistant Professor, Dept., of ECE coordinated the event.



April 21<sup>st</sup>, 2025

BMSCE Kabaddi Women team were the Winners in VTU Inter Collegiate Bengaluru Central Division Kabaddi Tournament 2025-26, organized at CMR Institute of Technology .





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April 22<sup>nd</sup>, 2025

✚ Dr. Venkata Madhavaram Tatabhatla, Assistant Professor in the department of EEE attended the MATLAB EXPO organised at Radisson Blu, Marathahalli, Bengaluru.

✚ Department of Physical Education & Sports of the college organized VTU Inter-Collegiate Bengaluru Central Division Volleyball Tournament for Men 2025-26 during April 22<sup>nd</sup>-23<sup>rd</sup>, 2025 at the campus.



✚ The Department of Bio-technology organized a visit to the C-CAMP, GKVK campus in Bengaluru for the fourth semester students.



✚ Ms.Sushmitha Acharya & Ms.A V Samanvitha Bhat, sixth semester students in the department of Chemical Engineering under the guidance of Dr.K.Sainath and Smt. Shabnam Siddiqui, Assistant Professors in the department presented their research article titled, 'Machine Learning Models for Prediction of Thermal Performance of Heat Pipes: A Different Approach' at first International Conference on Technological Innovations in Chemical Engineering towards Sustainability, organized at Sri Venkateswara College of Engineering, Tamil Nadu. The team is bestowed with 2<sup>nd</sup> best paper presentation award and the paper has been published in the form of a book with ISBN: 978-93-49566-57-6, Bharti Publications.

✚ Dr.Shambhavi B. R., HOD and Dr.N.Kalyan, Assistant Professor, Department of CSE(Data Science) attended the MATLAB Expo 2025 to gain insights of how to leverage MATLAB and Simulink applications and latest industry trends.





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- Dr. Harish K N, Assistant Professor, Dept. of Chemistry co-authored and published a research paper titled, 'Electrochemical sensitive detection of green-mediated Ag-CdFe<sub>2</sub>O<sub>4</sub> NPs against lithium ion with 4-hydroxyacetanilide and sunlight driven photocatalytic activity', Ionics (Springer Nature Link) (2025). 23<sup>th</sup> April 2025. Q3 Journal. Impact factor: 2.6, ISSN: 0947-7047. DOI: <https://link.springer.com/article/10.1007/s11581-025-06315-z>

April 24<sup>th</sup>, 2025

- Sri. Manoj Kumar S, Assistant Professor in the Department of CSE (Data Science) was invited as a guest speaker to deliver sessions on Deep Learning topics of ANN, CNN, RNN, Autoencoders and GAN at Cambridge Institute of Technology—North Campus, Bengaluru.



April 25<sup>th</sup>, 2025

- Dr. Manish S., Assistant Professor in the department of Civil Engineering

chaired a session in the conference, 'Adaptive Technologies in Engineering & Sciences' organised at K R Pet, Krishna Government College.

- Dr. B Kanmani, Professor, department of Electronics & Telecommunication Engg., was invited to conduct the Workshop on, 'Outcome Based Education', for faculty in the event organized by the Tamil Nadu State Council for Higher Education (TANSCHE) in collaboration with Directorate of Collegiate Education, Tamil Nadu.



- Mrs. Nisha P.G., Research Scholar, Department of Physics under the guidance of Dr. T.S. Pranesha, Professor (Rtd), Physics published a research paper titled, 'Asymmetrical warming in the Indian Ocean during 2010 and 2019' in the International Q2 Journal and Scopus indexed journal, "Ocean Dynamics, Springer-Verlag GmbH Germany, part of Springer Nature 2025", Volume 75,



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article number 41, (2025)  
Print ISSN: 0022-2755, Ocean  
Dynamics (2025) 75:41  
<https://doi.org/10.1007/s10236-025-01687-2>

April 26<sup>th</sup>, 2025

✚ Dr.B Kanmani, Professor, Dept. of Electronics & Telecommunication Engg., was invited to conduct Workshop on 'Outcome Based Education' for faculty members from Arts and Science Programs in the Trichy region, organized at Bharathidasan University Campus by the Tamil Nadu State Council for Higher Education (TANSCH), in collaboration with Directorate of Collegiate Education, Tamil Nadu.

✚ Dr.Rajeshwari Hegde, Professor, Department of Electronics and Telecommunication Engineering chaired a session in the 4<sup>th</sup> IEEE conference on 'Distributed Computing and Electrical Circuits and Electronics' organized by IEEE SB Ballari Institute of Technology and Management, Ballari.

✚ Dr.Rajeshwari Hegde, Professor, Department of Electronics and Telecommunication Engineering received best paper award for the papers titled, 'Measuring Psychological

and Physiological Effects in Healing Architecture' and 'The Impact of Heartfulness Practice on Mental Health and Wellbeing – A Conceptual Study' in the event organized by NSKD Techno Research & Innovation Solution at IISc, Bengaluru.



✚ Dr.Santosh R Desai, Professor, Department of Electronics and Instrumentation Engineering was invited as Resource Person for the Idea presentation event, 'The 7<sup>th</sup> Sense' organized by BMSCE IEEE PES & SC in collaboration with Cor Techs on the occasion of PES DAY 25.

✚ The Sanchara Saathis from BMSCE organized an awareness drive at Lalbagh in the morning to spread importance about telecom safety. The team focused on teaching people how to avoid online scams, understand telecom rules and protect their communication. The Sanchara Saathis from BMSCE feel motivated to continue



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spreading awareness and helping people to stay safe.



April 28<sup>th</sup>, 2025

- ✚ The Sanchara Saathis organized an awareness in B.M.S Women's College. The event focused on educating female students about telecom safety, including how to avoid online scams, understand telecom regulations and protect their personal communication. The team interacted with around seventy female students, distributing informative leaflets, sharing real-life stories and offering practical tips to help everyone stay safe online. Many students also shared their own experiences with online scams, making the sessions

interactive and highly impactful. Sri.Rajkumar and Sri.Subramanian from the Department of Telecommunications (DoT) graced the event.



- ✚ The Ph. D viva voce of Mrs. Pavithra N., research scholar under the guidance of Dr. C R Ramakrishnaiah, Professor, Civil Engineering was organised at the Department of Civil Engineering. Thesis title: Investigation on groundwater and Soil Quality with special reference to heavy metals in and around Peenya Industrial Area, Bengaluru.



## B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

### REPORT ON COLLEGE ACTIVITIES – APRIL 2025

- BMSCE in collaboration with BMSCA & BMSCL organised 134<sup>th</sup> Birth Anniversary celebrations of Bharat Ratna Dr.B.R.Ambedkar in the Indoor Stadium, BMSCE Campus. Hon'ble Justice Sri.Krishna S.Dixit, Judge, High Court of Karnataka was the Chief Guest for the function.



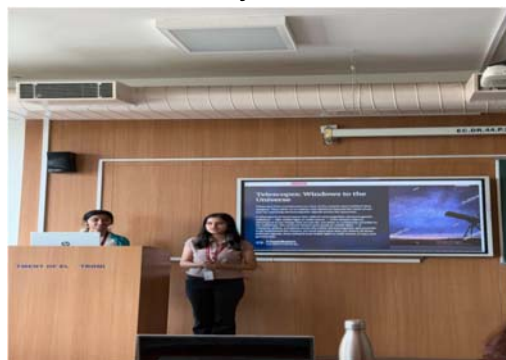
April 29<sup>th</sup>, 2025

- Dr.Maligi Anantha Sunil, Assistant Professor, Department of Electronics and Communication Engineering co-authored & published a research paper titled, 'Chalcogenide P-type Absorber Layer Studies of Spray Pyrolyzed CuZnS Thin Films for Heterojunction Solar Cell Applications' in the Optical Materials journal (Elsevier) Quartile: Q1, Impact factor: 3.8.

<https://doi.org/10.1016/j.optmat.2025.117036>

- Singularity-The astronomical society of the college organized second edition of Cosmo Talk, a session themed around 'Telescopes'. The event was an intellectually enriching experience focused on unravelling the technical and

functional aspects of telescopes in modern astronomy.



- BMSCE Kho-Kho Men team were the Winners in VTU Inter-Collegiate Bengaluru Central Division Kho-Kho Tournament for Men 2025-26 organized at the college.



- The following employees who retired from service at the college during April 2025 on attaining the age of superannuation were felicitated.
  - Dr.Ramachandra M., Professor, Department of Mechanical Engineering



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- Smt.Vijaya K., Assistant Professor, Department of ECE
- Sri.Sukumaran P.R., Helper, Department of EEE



April 30<sup>th</sup>, 2025

- ✚ Dr.Sharanappa Chapi, Assistant Professor and Dr.Murugendrappa M.V., Associate Professor, Dept. of Physics co-authored and published a research paper titled, 'Negative Temperature Coefficient of Resistance (NTCR) of Bismuth Manganite Nanoparticles: Polypyrrole Conductivity Enhancement' in Journal of Composites Science, Impact factor-3, Volume 9(5), 224, Q2 Journal, ISSN: 2504-477X.

<https://doi.org/10.3390/jcs9050224>

- ✚ Dr. B Kanmani, Professor, department of Electronics & Telecommunication Engineering was invited to conduct one day workshop for faculty members on, 'Curriculum design in the OBE Framework', organized by the Human Resource Development Centre (HRDC) of VelTech University, Chennai, Tamil Nadu.



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