



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

Autonomous Institute, Affiliated to VTU

### REPORT ON COLLEGE ACTIVITIES – MAY 2025

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

- Dr. Vandana M., Assistant Professor, Department of Physics co-authored and published a research paper titled, 'Turning mango kernel waste into high-energy porous carbon: a sustainable electrode material for high-performance supercapacitors with exceptional stability' in Journal of RSC Advances, Q2 journal with impact factor 3.9, Vol. 15, Page NO: 14183, ISSN: 2046-2069

[DOI: 10.1039/d5ra02129d](https://doi.org/10.1039/d5ra02129d)

- BMSCE Cricket Men team secured 2<sup>nd</sup> Runners-up position in VTU State Level Cricket Championship 2025-26 organized by MIT, Mysuru from 28<sup>th</sup> April to 1<sup>st</sup> May 2025.



- Publication titled, 'Blockchain-Based Healthcare Recommender System using Deep Learning', Blockchain-Assisted Technologies for Sustainable Healthcare System, Springer, May 2025, ISSN: 2661-8338 was published by Alumni of department of ETE, Ms.J. L. Hamsapriya, Ms.Tharanga Shetty, Ms.B. Neha and Ms.G. Pallavi, under the guidance of Dr. C. Gururaj, Professor, department of ETE.

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

- The CHEM-E-KALAKAR club of Chemical Engineering Department conducted an event, 'The Challengers', a dynamic and engaging event curated by the newly formed core committee under the guidance of the faculty coordinator, Smt. Shabnam Siddiqui, Assistant Professor in the Department of Chemical Engineering.





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- Lecture on the topic, 'Earthquake resistant Masonry Structures' by Dr.S.Raghunath, Professor (Retd.), Civil Engineering was organised in the Department of Civil Engineering for the benefit of the students.



- Dr.R.Suresh Kumar, Associate Professor, Department of Mechanical Engineering & Head, CEHSC was invited to conduct a workshop on Outcome-Based Education (OBE) at Narula Institute of Technology, Kolkata during May 2<sup>nd</sup> & 3<sup>rd</sup>, 2025.

#### May 3<sup>rd</sup>, 2025

- Dr. Y. K. Suneetha, Professor in the Department of Chemical Engineering attended a program at Bangalore Bioinnovation Centre organized by BBC jointly with LA TROBE University, Australia. Dr. Suneetha presented her start-up products and application as a part of it. The AUS-IND Connect Program was conducted with an objective of exposure to opportunities in Australia to the start-ups incubated at BBC with the

incubator-Founders and Funders at LA TROBE University incubation centre.



- Dr.Shivashankar R Srivatsa, Assistant Professor, Department of Mechanical Engineering was invited by R. N. S Institute of Technology to be the External Expert for conducting NBA Audit and Mock NBA for better preparation towards NBA process and practising OBE.
- Dr.Mohan Reddy R., Assistant Professor, Dept. of Chemistry co-authored & published a research paper titled, 'Synthesis, Characterization, Electrochemical Sensing, DFT Analysis, Molecular Docking and Anticancer Activity of a Novel Thiadiazole-Based Azo Dye Incorporating a Barbituric Acid Scaffold' in Journal of Molecular Structure – Elsevier. (Q2) Volume 1341 (2025)

<https://doi.org/10.1016/j.molstruc.2025.142576>

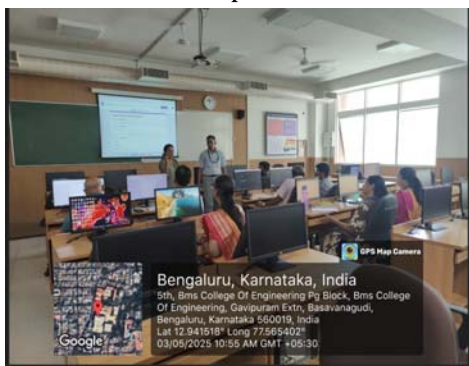


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Department of Electronics and Communication Engineering organized 'Skill Development Program' for the technical and office staff of the department. Sri.B.Rajatha, Assistant Instructor, Dept., of ECE was the resource person.



Dr.Karthik Kumara, Assistant Professor, Department of Physics attended Faculty Development Programme on 'QT-02 - Foundations of Quantum Technologies' and successfully completed the 40 hours (3-Credits equivalent) Faculty Development Programme jointly organized by Electronics & ICT Academies, MNIT Jaipur, NIT Patna, IIT Kanpur, IIT Roorkee, IIT Guwahati, IIITDM Jabalpur, NIT Warangal, funded by MeitY and endorsed by DST - NQM / AICTE / UGC.

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

Dr.K.L.Nagashree, Assistant Professor, Dept. of Chemistry co-authored and published a research paper titled, 'Electrochemical sensing of nitrite by Cu and Zn based metal-organic frameworks – A green synthesis approach', Molecular structure May 2025. Journal of Molecular Structure 1343 (2025) 142801 [www.elsevier.com/locate/molstr](http://www.elsevier.com/locate/molstr)

BMSCE Cricket Men team secured Runners-up position in M.V. Jayaram Cricket Championship 2025-26, organized by MVJ College of Engineering, Bengaluru during May 5<sup>th</sup> to 8<sup>th</sup>, 2025.



Department of Chemical Engineering arranged a lecture by Dr.Hemanth L.R., Manager R&D, Samco Inc, Kyoto, Japan on 'Emerging Materials in



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Semiconductor Industry' for the benefit of chemical engineering students. Dr.Hemanth highlighted the role of chemical engineers in the semiconductor industry, importance of a strong foundation in the concepts of undergraduate chemical engineering and their application in the industry.



Journal of Nanoparticle Research, Volume 27 (2025)

<https://doi.org/10.1007/s11051-025-06319-w>

- ✚ The valedictory session of the Value-added course, 'Harnessing Data' offered by Department of CSE (Data Science) was conducted. 43 students received course completion certificates.



#### May 6<sup>th</sup>, 2025

- ✚ Dr. Shivakumar R., Associate Professor in the Department of Chemical Engineering attended FDP titled, 'Statistical Analysis with Excel' during May 1<sup>st</sup> to 6<sup>th</sup>, 2025, organized by research foundation of India.
- ✚ Dr. Mohan Reddy R., Assistant Professor, Dept. of Chemistry published a research paper titled, 'Hybrid ZnO-CuO nanoparticles: for MCPE in dopamine detection, dye degradation and antibacterial assessment' in Journal of Nanoparticle Research – Springer (Q3),

- ✚ A paper titled, 'Deep learning architectures for detection of acute myeloid leukemia' co-authored by Dr.Vijayakumar K., Professor, MCA, Dr.Divijendranatha Reddy, Professor, Bio-technology and others has been published by INDERSCIENCE Publishers in International Journal of Computational Science and Engineering, 2025 Vol.28 No.3, pp.278 – 291.

#### May 7<sup>th</sup>, 2025

- ✚ Department of CSE (Data Science) organized seminars on Universal



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Human Values focusing on fostering ethical living, inner harmony and value-based education. Distinguished speakers from Brahma Kumaris conducted the sessions.



'Machine Learning for Civil Engineering' for 8<sup>th</sup> semester students in the department of Civil Engineering during April 7<sup>th</sup>, 2025 to May 8<sup>th</sup>, 2025. Dr. Sureka Naagesh, Prof & Head, Department of Civil Engineering, along with Dr. Shamanth Gowda T and Sri. Manjunath N K., Assistant Professors in the department coordinated the event.



- Dr. Santosh R. Desai, Professor, Department of Electronics and Communication Engineering, published a research paper titled, 'Graphic Operation Terminal-Incorporated Experimental Prescheduled Auto-Configurable Centralized Rational Water Distribution System' in Water Practice and Technology (2025) Q3 Journal. DOI: <https://doi.org/10.2166/wpt.2025.074>

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

- The Department of Civil Engineering in collaboration with Department of Machine Learning and BMSCE IEEE Computer Society, successfully organized a Value-Added Course on

- Dr. Shubha B. N., Professor in the department of MBA was invited as resource person for Faculty Development Program on 'NBA: Awareness and Importance for Faculty' organised at Kalpataru Institute of Technology, Tiptur.





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✚ Dr.Vandana M., Assistant Professor, Department of Physics co-authored and published a research paper titled, '2-Dimensional nanosheets derived from graphitic carbon doped copper oxide@nickel oxide composite for electrochemical properties of CO<sub>2</sub> and HER application' in Journal of Diamond and Related Materials, Q2 journal with impact factor 4.3, Vol. 156, Page No: 112431, ISSN: 0925-9635  
DOI:  
<https://doi.org/10.1016/j.diamond.2025.112431>

✚ The following Assistant Professors & Students of department of Mechanical Engineering attended Google Gemini Workshop.

#### Faculty Members:

Dr. Shivashankar R Srivatsa

Dr. Santhosh D.

Prof. Tripti Pachori

Dr. Sangamesh C Godi

Dr. Chidanand Mangrulkar

#### Students:

Mr.NIHAL J SABITH

Mr.SHIRISHA N

Mr.SHYAM V NAMBIAR

Ms.SPOORTHY N

Mr.TOM JOBY

Mr.VAMSHIK P J

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

✚ UTSAV 2025, themed ANANTHA was conducted during May 9<sup>th</sup> – 11<sup>th</sup>, 2025. With 100+ events happening over the course of three days, UTSAV 2025 was an absolute success.



✚ BMSCE Kho-Kho Women team secured Runners-up position in both VTU Inter Collegiate Bengaluru Division & State Level Kho-Kho Championship 2025-26 organized by MVJ College of Engineering, Bengaluru on May 6<sup>th</sup> & 9<sup>th</sup>, 2025 respectively.



✚ Twenty one (21) student projects have been approved by Karnataka State



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Council for Science & Technology(KSCST) for the sanction of financial assistance under Student Project Programme-48<sup>th</sup> Series.

- Dr.Malini S., Assistant Professor in the department of chemistry presented the paper titled, 'Development of Resin from Liquefied Wood by Solvolysis and its applications' in the International Conference on 'Recent Innovations in Engineering Science & Technology (ICRIET-2025)' organized by K.S. Institute of Technology, Bengaluru during May 9<sup>th</sup> – 10<sup>th</sup>,2025.



- Dr.Kalyan Raj, Professor, department of Chemistry & Ms. Shylaja K.R., Research Scholar co-authored and presented the paper titled, 'Copper based nanomaterials to improve plant Rhizosphere' in the International Conference on 'Recent Innovations in Engineering Science & Technology (ICRIET-2025)' organized by K. S. Institute of Technology, Bengaluru, during May 9<sup>th</sup> –10<sup>th</sup>,2025 and was

awarded the best research paper award.

- Dr. Gururaja H S., Assistant Professor in the department of Computer Science & Business Systems was recognized by UiPath for his contributions to shape the future of automation in higher education and was one among the 35 participants from India and Europe to participate in the UiPath Academic Summit 2025 at Le Méridien, Goa.



- Dr. Sureka Naagesh, HOD, Civil Engg., and Dr. K Ganesh, Professor, Civil Engg., along with research scholar, Mr.D M Suman co-authored & published a journal paper titled, 'Analogy of Blended Copper Slag and Lime as sub-grade Materials in Flexible Pavement Layers- A Sustainable Construction' in ELSEVIER, Q 2 Journal of Engineering and Technology Management, ISSN-1879-1719, May 2025, volume 76.
- Dr. Prathima Bhat, Associate Professor and Dr. Satyanandini A., Professor in the department of Management



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Studies and Research Centre were the resource persons for a faculty development workshop on 'Course Outcomes (CO) and Programme Outcomes (PO) Mapping' organized for the MBA faculty members of Bapuji B-Schools, Davanagere. The session was conducted at the Lake View Campus, Davanagere. The workshop aimed to enhance faculty understanding of outcome-based education by focusing on effective alignment and mapping of course outcomes with programme outcomes. The session was well-received and included interactive discussions, practical examples and hands-on exercises, contributing to the academic enrichment of the participants.



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

- Dr. Netravathi S., Associate Professor and Smt.Soniya Agrawal, Assistant Professor in the Department of

Electrical and Electronics Engineering were invited as jury members for the Intercollegiate Project Exhibition - ĀVIṢKĀRA 2025 organised at Vemana IT, Bangalore in association with the ISTE and IEEE Student Branch Chapter Bangalore Section.

- Dr. Latha Kumari, Associate Professor, Department of Physics attended internal Academic Audit at RVCE Bangalore.



- Dr. M Shekar, Assistant Professor, Dept. of Mathematics presented the paper titled, 'Effect of General Boundary Conditions on the Brinkman – Benard Convection of Newtonian Nanoliquid Using Local Thermal Non- Equilibrium Model' in the Journal of Nanofluids 2025. Vol. 14, No. 1, Page No. 59-68  
DOI: <https://doi.org/10.1166/jon.2025.2218>

- Dr.Chandra Shekara G., Assistant Professor, Department of Mathematics delivered a talk in the National Level



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Mathematics FDP on 'MATLAB with Computational Mathematics' and 'CoreEL LED Matlab Software Training' organized by the Department of Mathematics, Karnatak University, Dharwad during May 10<sup>th</sup> -13<sup>th</sup>, 2025.

- Dr.Y.S.Rammohan, Professor, Department of Mechanical Engineering chaired a session at the International Conference on Recent Innovations in Engineering Science and Technology (ICRIET-2025) organised at K.S.Institute of Technology, Bengaluru.

#### May 12<sup>th</sup>, 2025

- Department of Chemical Engineering organized industrial visit to M/s Vidya Herbs in Jigani Industrial Area, Bengaluru, for sixth and eighth semester Chemical Engineering students. Dr.K.Sainath and Smt.Shabnam Siddiqui, Assistant Professors in the department coordinated the event.



- Dr. M.Umavathi, Associate Professor in the Department of Electrical and Electronics Engineering published a research article titled, 'Enhancing Performance toward Torque and Flux Control Through a Hybrid Approach of Intelligent and DTC for SRM Drives' in the Web of Science Journal in IEEE Access, which has an impact factor of 3.4.

<https://doi.org/10.1109/ACCESS.2025.3569277>

#### May 13<sup>th</sup>, 2025

- Smt.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 17<sup>th</sup> edition of ECCE Asia IEEE conference organised during May 11<sup>th</sup> -14<sup>th</sup>, 2025 at Hilton and Hilton Garden Inn, Embassy Manyata Business Park, Bengaluru.





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

- Department of Electrical and Electronics Engineering in association with IEEE Power Electronics Society (PELS), Bangalore Chapter organised PELS Distinguished Lecture Program featuring an expert session by Prof.Sanjib Kumar Panda, 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'.



- SINGULARITY, the Astronomical Society of the college organized an educational visit to the Jawaharlal Nehru Planetarium, Bengaluru. A group of enthusiastic club members attended a show, which offered a fascinating insight into various astronomical concepts, space missions and the night

sky.



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

- Dr.Y K Suneetha, Professor in the Department of Chemical Engineering and Founder, Stoicheiodis Scientia Private Limited, delivered a talk on '*Start-up to Make in India*', a journey from teaching to entrepreneurship at the college during innovation week organised by Institute Innovation Council of the college during May 15<sup>th</sup> -20<sup>th</sup>, 2025 .



- Dr.Supriya, Assistant Professor, Department of Chemistry presented research paper titled, 'Absorption of Methylene Blue Dye by Activated Carbon Material' in the national conference,



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POLYCON 2025 organised at JSS Science and Technology University during May 15<sup>th</sup> -16<sup>th</sup>, 2025.

- Dr. Jisha P, Assistant Professor, Department of Electronics and Communication Engineering along with UG students, Ms. Prathiksha, Mr. Prajval Prakash and Mr. Krithik Raj in the department secured the 'Best Poster Award'-1<sup>st</sup> Place for their project titled, 'Dual-Sensor Exoskeleton with Real-Time Pain Classification for Post-Knee Injury Rehabilitation' at IEEE Sensors in Spotlight 2025, a prestigious international forum for Advancements in Sensor Technology and biomedical systems organised at Northeastern University, Boston, Massachusetts, USA during May 15<sup>th</sup>-17<sup>th</sup>, 2025.



- The Placement Club, department of Computer Applications organized two focused sessions, LeetCode Practice Session and Company Analysis Session for second semester MCA Students to

support students in their placement preparation. The coding-focused session aimed at improving problem-solving skills through real interview questions, covering topics like arrays, strings and dynamic programming and the company analysis session facilitated students to understand recruitment trends and interview formats, offering insights into company expectations and preparation strategies for both technical and HR rounds.



- Dr. Mohan Reddy R, Assistant Professor, Dept. of Chemistry co-authored & published Research paper titled, 'Surface Modification of Sustainable Bio-Derived Areca Sheath Fibers for Enhanced Mechanical and Thermal Properties in Epoxy-Based Biocomposites' :



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Spectroscopic, Thermogravimetric and Crystallographic Insights' in Journal of Natural Fibers – Taylor & Francis. (Q1) Title –, in Journal of Natural Fibers, Volume 22 (2025)

<https://doi.org/10.1080/15440478.2025.2497914>

- Mr.Yashwanth CH, Mr.Siddesh C., Mr.Shridhar Gajanan Hegde and Mr.Shreenivas Ganpati Naik, second semester MCA students secured third place among 35 teams in Terminal X (Hackathon- 8 hours) in the fest Xenith organised by Dayanand Sagar Academy of Technology and Management.



- Dr.Vandana M., Assistant Professor, Department of Physics co-authored and published a research paper titled, 'Flexing the Future: Strategic Insights into Wearable Sensor Development' in Journal of ChemNanoMat, Q3 journal with impact factor 2.6, Vol. 10, Page NO: 202500063, ISSN: 2199-692XDOI: <https://doi.org/10.1002/cnma.202500063>

- Dr.G.N.Rameshaiah, Professor in the Department of Chemical Engineering attended 10 days faculty development program on 'AI Innovations in Computer Vision and Medical Imaging: Emerging Trends and Research Perspectives', organized by Department of ECE, National Institute of Technology (NIT) Raipur, Chhattisgarh, sponsored by Ministry of Electronics and Information Technology, Govt. of India, during May 15<sup>th</sup> - 26<sup>th</sup> 2025.

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

- Mr.Parikshith N Y & Mr.Sudheendra Rao S., second semester students in the department of Computer Applications secured first place in IT Quiz



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organized by MSRIT, Bengaluru.



Mr. Rakshak H M., Mr. Ranjith B and Mr. Parineeth Gowda, second semester students in the department of Computer Applications secured second place in coding contest organized by MSRIT, Bengaluru



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

Ms. Rakshitha K M & Ms. Reethya Giridhar, eighth semester students in the Department of Chemical Engineering, under the guidance of Dr. Sainath K., Associate Professor in the Department of Chemical Engineering presented their

final year research project work titled, 'Comparative Study of Modified Hydrochar for Hexavalent Chromium Removal Using CCD and ANN Modelling' in the conference, INSIGNIA-25 organized by Shri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dhavalagiri, Dharwad and won 1<sup>st</sup> prize.

Department of Electronics and Communication Engineering organised 'World Telecommunication and Information Society Day'. The event aimed to promote awareness about the importance of telecommunications and information technology in today's society, with a special emphasis on this year's theme - Gender Equality in Digital Transformation. Dr. K N Madhusudan, Associate Professor, Dept., of ECE was the faculty coordinator. The following experts were the resource persons for the technical sessions:

- Mr. C. Satyanandan, Governing Council Member, IETE provided valuable insights into the evolution of communication systems and the role of IETE in nation-building.
- Dr. Ranga Rao, Professor in Electrical Engineering in University of Netherlands elaborated on the societal and technical implications of gender disparity in digital access and roles.



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- Dr. Sukhdeep Singh, Software Engineering in Bosch India conducted a session on 'Delivering on the 5G Vision: From 2G to 5G', exploring AI-enabled intelligent network management and the implementation of Radio Intelligent Controllers (RICs) in modern telecommunication infrastructure. His session was especially enlightening for students interested in next-gen wireless technologies.



- ✚ Department of Electronics and Instrumentation organized Proctor-Parent Meeting. Dr. Santosh R Desai and Smt. Kumuda co-ordinated the meeting. The Head of Department provided an overview of the department's progress during the previous academic year. They also outlined strategies to improve overall performance, such as remedial classes, mentoring sessions and workshops. The

proctors addressed the specific questions from parents.



- ✚ Department of Computer Science and Business Systems in association with Kushi.You organised a Workshop on 'Student - Study and Stress Management Integrative Module' by Dr. Shashikanth S Kumar, MBBS, M.D. (Yoga and Rehabilitation).





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- Ms. Pallavi U Sharma, Alumnus and Dr. Rajeshwari Hegde, Professor, Department of Electronics and Telecommunication Engineering received IEEE Protsahan Award for their high quality publication in the field of communication during the award ceremony held at RV University.



Dean(Student Affairs) received a certificate of appreciation from RED FM for coordinating the Walkathon event organized by RED FM.



- Dr. G. Giridhara, Professor, Department of Mechanical Engineering was invited to conduct Academic audit at Vignan University, Guntur, A.P.



- Students of fourth semester MCA, participated in 490<sup>th</sup> Green Sunday organized by Adama Chetana, following the Sasyagraha path laid by late Sri. Ananth Kumar ji at Magaji Karthik Kalyana Mantapa, opp Adama Chetana, Gavipuram,



May 18<sup>th</sup>, 2025

- Dr. Rajeshwari Hegde, professor, Department of Electronics and Telecommunication Engineering &



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

- The fourth semester students of Department of CSBS visited Cybaverse Foundation at Mysore. Smt. Tejaswini K., Assistant Professor in the department accompanied the students



Considerations' for the students in the department as a part of Industry driven course, Mixed Signal Design. Mrs.Prabhavathi, Co-founder and CEO of Skillsoc Technologies was the resource person. Dr. Archana H R, Assistant Professor, Dept., of ECE coordinated the event.



- Dr. Gnanendra P M, Assistant Professor in the department of Aerospace Engineering presented a paper titled, 'Experimental studies on the influence of primary air on a co-current bottom-lit biomass gasifier' in the 15<sup>th</sup> Asia Pacific Conference on Combustion organised at Singapore during May 19<sup>th</sup> - 22<sup>nd</sup>, 2025.



- Department of Electrical and Electronics Engineering organized Final Year UG Students' Project Competition, 'Anvesh-25' sponsored by Entuple technologies, EEE Association, IEEE SSIT and IEEE PES & SC BMSCE SBC. The event was coordinated by Smt. Soniya Agarwal Assistant Professor in the department.



- Department of Electronics and Communication Engineering organised a lecture on 'Unit-3-OpAmp Design

- Department of Electrical and Electronics Engineering in collaboration with EEE Association



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organized a workshop titled, 'Understanding VLSI & FinFET Technology: Hands-on Cadence Tool Usage'. The session was conducted by Dr.Vasundhara Patel, Professor, Department of ECE during May 19<sup>th</sup>-20<sup>th</sup>, 2025.



- Dr. Vandana M., Assistant Professor, Department of Physics co-authored & published a research paper titled, 'One Step Self Assembled Bio-waste Carbon Material derived from Maize Cob Doped ZnO/Co Composite Electrode Material for Battery type and High Energy Density Supercapacitor' in Journal of Inorganic Chemistry Communications, Q1 journal with impact factor 4.4, Vol. 179, Page NO: 114712, ISSN: 1387-7003.DOI: <https://doi.org/10.1016/j.inoche.2025.114712>

May 20<sup>th</sup>, 2025

- Department of Electronics and Communication Engineering organised an Industrial visit for a group of 100 students to 'U R Rao Satellite Centre', Bengaluru. Mrs.Priyadarshini Jainapur, Sri. Eesha D & Sri. Suprith Kumar K S, Assistant Professors in the department coordinated the event.



- FAREWELL function for the outgoing UG & PG students(2025 batch) of the college was organised. Sri.Madan Mohan C., Chief Administrative Officer & Secretary, BWSSB, Project Director, Dept. of E-Governance, GOK was the Chief Guest for the function. The Principal, Vice Principals, Deans, HODs and other dignitaries graced the



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occasion.



Institute of Technology, Tumkur.



- Department of Electronics and Communication Engineering organised an Industrial visit for the UG & PG students in the department. Dr. Suma M N, Professor and Dr Hemavathi D, Assistant Professor coordinated the event.



- SINGULARITY, the Astronomical Society of the college conducted Orientation and COSMO Talk for the AY 2025-26.



- Dr.S.Uma, Professor and Head, department of Computer Applications was invited as a jury member for UI/UX PRINT (Building Web Pages) event in BROWSE 2025, a National level Technical Symposium conducted by Siddaganga

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

- Open Day- final semester students' projects exhibition(2025 batch) was organised across the departments. Experts from the industry were invited



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as jury members for selecting best projects.



- Dr. Sharanappa Chapi, Assistant Professor and Dr. Murugendrappa M V, Associate Professor, Department of Physics co-authored & published a research paper titled, 'Recent progress in Ni-PPy based supercapacitor energy storage: a comprehensive review on structural insights, fabrication and electrochemical mechanisms' in Taylor & Francis Group: Critical reviews in solid state and materials sciences, Q1 Journal with 10.3 (2023) 5 year IF. <https://doi.org/10.1080/10408436.2025.2504057>

- Dr. Kalyan Raj, Professor of Chemistry delivered an invited talk at Rajajinagar composite college, Rajajinagar, Bengaluru.



- Department of CSE (Data Science) organized seminars on Universal Human Values focusing on fostering ethical living, inner harmony and value-based education. Distinguished speakers from Brahma Kumaris led the sessions.



- The department of Computer Applications organised Industry Driven Course on 'Practical Approach to Software Project Management (SPM)' for second semester students in the department for 30 hours on every Wednesdays during 3 PM to 5 PM and



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Saturdays during 11 AM to 1 PM from 21<sup>st</sup> May, 2025 till the end of the semester. Sri.Ravikumar Kalose N., Founder, ProPM Academy and Department Alumnus(1985-88 Batch) is the resource person. Dr. D N Sujatha, Professor, department of Computer Applications is coordinating the event.



Students were grouped to enable preparation through company-specific research, mock interviews and aptitude practice. The session covered commonly asked questions in areas like quantitative analysis, logical reasoning and verbal ability, enhancing their placement readiness.



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



The Placement Club of the Department of Computer Applications conducted a session on analysing Companies, where students explored the skill sets required to get into their target companies. The session focused on understanding company expectations, helping students to align their preparation accordingly.



Second semester MTech Environmental Engineering students attended World Water Day event organised at BWSSB office, Malleshwaram, Bengaluru.





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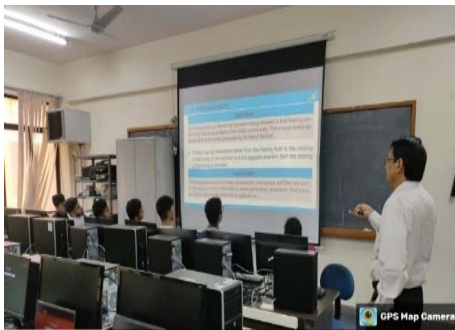
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May 23<sup>rd</sup>, 2025



A bootcamp on Rotating Machinery – Compressors developed by M/s Modelicon Bengaluru as part of the Samriddhi Skill-building Initiative of Ministry of Heavy Industries, under mentorship of Indian Institute of Science (IISc), Bengaluru was organised by the Department of Chemical Engineering under the guidance of Dr. Chetan A Nayak, HOD-Chemical Engineering during May 23<sup>rd</sup>-24<sup>th</sup>, 2025. The boot camp included Concept videos, Hands-on tutorials, 3D interactive models, Virtual Reality (VR) and Assessments & certifications. The session commenced with a series of lectures, explaining the fundamentals of rotating machines and everything from basic unit systems to rotor dynamics and diagnostics. Dr. Sreelakshmi Diddi, Associate Professor in the department coordinated the event.



BMSCE Handball Men team secured Runners-up position in VTU Inter Collegiate Bengaluru Central Division Handball Championship 2025-26 organized by Cambridge Institute of Technology.



Sri.Karthik Shenoi, Alumnus from Electrical Batch of 1990 gave an insightful talk on the 'Money Matters: Smart Finance for a Better Future'. This session emphasized the importance of financial literacy. Attendees gained valuable knowledge on budgeting, investment strategies and informed financial decision-making. The event featured an interactive Q&A, real-world case studies and networking opportunities, making it a highly engaging experience for students and alumni alike.



Dr.Nirupama Mohan, Assistant Professor, Department of Mechanical Engineering attended International Conference, 'CSME-CFDSC-CSR 2025' to present the paper titled, 'Corrosion



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Performance of boronized martensitic stainless steels' organised at ETS Higher Technology School, Canada during May 23<sup>rd</sup> – 29<sup>th</sup>, 2025.



two faculty members visited the plant.



The Training and Placement Department organized an Industrial visit to TVS Electronics Plant, Tumukuru for sixth Semester students of ECE, Mechanical Engg., and EEE. The program aimed at educating students about the various cutting-edge technology used in manufacturing aspects related to electronic components, actuators and sensors. Sri.Vijaykumar, plant in-charge directed students towards manufacturing facility related to mobile printers, cash counter machine, web-cam and OEM models. He also provided overview related to Remote Management System (RMS) and its significance. The students also visited Diagnosis and Repair unit which emphasizes on motherboard and microprocessor repair along with PCB design and DC EV charger component check. Around 45 students along with

Invention titled, 'Dry waste Collector with compactor' of Dr. Y. S. Rammohan Professor and the student, Mr.R. Madhu, department of Mechanical Engineering has been granted Patent.

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

Dr. Kammara Kishore Kumar, Assistant Professor in the department of Aerospace Engineering was invited as resource person to deliver a talk on 'Significance of Literature Survey in Research and the Current Trends in Literature Survey' during a three day student development program on Research Methodology, organised at Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari, jointly by department of Mechanical Engineering, Rao Bahadur Y Mahabaleswarappa



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Engineering College and Internal Quality Assurance Cell of the institution of Engineers (India), Munirabad (Local Centre). The students were apprised about the significance of literature survey in research and were also made aware of the latest AI tools available to air their research work.



Dr. Rajanikanth K N, Associate Professor, Department of Electronics and Communication Engineering was invited as resource person to deliver a talk on 'ARM Processor and Microcontroller' for the students of ISE branch at Siddaganga Institute of Technology, Tumkur.



Department of Electronics and Instrumentation Engineering organized Industrial visit to Bullwork Mobility Industries located at Nelamangala, Bengaluru. Around eighty students participated in the visit. Bullwork Mobility Industries is known for its innovative work in the automation of agricultural vehicles, focusing on hybrid models that combine electric and diesel power, with a primary emphasis on battery-driven technology.



Department of CSE (Data Science) organized hands-on workshop on 'Data Visualization using Tableau' by Sri. Ajeet Singh, Senior Manager, Strategic Business Development, Dell Technologies for fourth semester students. Students gained practical



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experience in creating visualizations in Tableau using multiple datasets.



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

- Students of fourth semester MCA, participated in 491<sup>st</sup> Green Sunday organized by Adama Chetana, following the Sasyagraha path laid by Shri. AnanthKumar ji at Anantavana, Basavanagudi Boys Middle School, B. P. Wadia Road, Basavanagudi.



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

- The Department of EEE in collaboration with EEE Association organized a talk on

'Semiconductor Manufacturing: Opportunities and Prospects in India for Fresh Engineers', by Prof.Sushobhan Avasthi from CeNSE, IISc, Bangalore. Dr. Chandasree Das, Professor, EEE coordinated the event.



- The Department of Medical Electronics Engineering organized IEEE Signal Processing Society (SPS) Sponsored Distinguished Lecture on 'Easy and Lazy Technical Writing: Solid Logic to Invoke an Aha-Experience' by Prof.Akihiko K. Sugiyama (Ken), Damas.Cus Corporation / Tokyo Metropolitan University, Tokyo, Japan.





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- ✚ Dr.Sainath K., Associate Professor, Mrs.Shabnam Siddiqui, Assistant Professor, Department of Chemical Engineering cleared the exams of all eight module courses offered by NITTT, under AICTE.

May 27<sup>th</sup>, 2025

- ✚ Dr. Appaji M. Abhishek, Associate Professor in the department of Medical Engineering published an article titled, 'Accelerated and Accurate Cervical Cancer Diagnosis using a Novel Stacking Ensemble Method with Explainable AI' in Informatics in Medicine Unlocked.

- ✚ Dr. Ravikumar M., Assistant Professor, Department of Mechanical Engineering co-authored and published a research article titled, 'Study on mechanical, tribological and fracture behaviour of n-Al<sub>2</sub>O<sub>3</sub> reinforced Al7075 composites using Taguchi technique' under Q3, Web of Science indexed International Journal of Cast Metals Research. ISSN: 1364-0461 (Print) 1743-1336 (Online) Journal homepage: [www.tandfonline.com/journals/ycmr20](http://www.tandfonline.com/journals/ycmr20)

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

- ✚ Dr. Malini S., Assistant Professor in the department of Chemistry was invited to deliver a talk on 'Redefining

Possibilities: The Magic of Engineering Marvels' at K. S. Institute of Technology, Bengaluru.

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

- ✚ Dr.Punith Kumar V, Assistant Professor, Dept. of Physics co-authored and published a research paper titled, 'Investigation of Transport Properties and Dielectric Studies in La(0.9)Bi(0.1)MnO<sub>3</sub> Manganite', Acta Physica Polonica A (In Press) Polish Physical Society publications with impact factor 0.5 (0.6 five years), Quartile: Q3 (SCI), Q4 (WoS), ISSN (print) 0587-4246 ISSN (online) 1898-794X [Doi: 10.12693/APhysPolA.147.383](https://doi.org/10.12693/APhysPolA.147.383)

- ✚ Dr. Umavathi M., Associate Professor in the Department of Electrical and Electronics Engineering co-authored and 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>

- ✚ Placement Club of Dept. of Computer Applications conducted a session focused on enhancing students' placement readiness through a company-specific approach. Students were grouped based on their target



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companies and engaged in in-depth research, including assessment patterns and frequently asked questions. The session emphasized three key areas, Company Analysis, Aptitude Practice & technical preparation.



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

- The committee consisting of Sri.Aviram Sharma, Trustee, BMSET, Director,BMSET, Principal and Vice Principals reviewed the status of implementation of strategies(21 Nos.) at the departments.



- Mr.Chaithanya, second semester MBA student has been crowned the gold medalist at the NRJ State Senior Aquatic Waterpolo Championship.



May 31<sup>st</sup>, 2025

- Dr. Shambhavi B R , HOD- CSE(DS) was invited as VTU nominee for the 23<sup>rd</sup> IQAC meeting convened at Atria Institute of Technology.





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✚ Dr. Ravi Shankar P N, Assistant Professor in the Department of Chemistry was invited as a speaker in the three-day National Symposium on Materials Characterization Techniques organised at Kishkinda University, BITM Campus, Ballari during May 29<sup>th</sup> – 31<sup>st</sup>, 2025.

✚ Dr. G. Giridhara, Professor, Department of Mechanical Engineering was invited to attend BOS meeting convened at BNMIT, Bengaluru.



✚ Dr. Rudra Naik, Professor and Dr. Venkatesh T Lamani, Assistant Professor, Department of Mechanical Engineering attended COMSOL Multiphysics Software Training Program organised at VTU, Muddenahalli, Bengaluru.

✚ Dr. Suhas B.G., Dr. Chidanand K.M. and Sri.Kiran Kumar K U, Assistant Professors, Department of Mechanical Engineering co-authored & published a paper titled, 'Study on Mechanical and Tribological Characterization of Titanium Diboride (TiB<sub>2</sub>) Reinforced Al7075 Composites by Taguchi Technique' in Journal of Materials and Engineering Structures 12 (2025) 139–154 e-ISSN: 2170-127X, Impact Factor Value :0.4 (2025) WoS Journal Ranking: Q4

✚ Dr. L. Ravikumar, Professor, Dr. Raghu Yogaraju, Assistant Professor, Department of Mechanical Engineering co-authored & published a paper titled, 'Synthesis and Characterization of ZrO<sub>2</sub> Reinforced Al7075 MMC's: A Study on Mechanical Property Enhancement' in Journal of Mines, Metals and Fuels, 73(5): 1225-1236; 2025. DOI: 10.18311/jmmf/2025/48055 ISSN : 0022-2755



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✚ The following employees who retired from service at the college on 31st May 2025 on attaining the age of superannuation were felicitated.

- Dr. B. N. Sarada, Professor, Department of Mechanical Engineering
- Sri. Nagesh Acharya A, Programmer, Department of MCA
- Sri. Mahadeva B, Attender – office



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