



B.M.S. COLLEGE OF ENGINEERING, BENGALURU

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REPORT ON COLLEGE ACTIVITIES – JULY 2025

July 1st, 2025

- The Department of Computer Applications organized two-day workshop titled, 'Hands-on Training on ETL Workflows' on July 2nd & 7th, 2025. Mr.Vamshi K. V., Freelancer and Data Associate at IES, Bengaluru and also an esteemed alumnus of the MCA program (Batch 2021) was the resource person for the event. Smt.S.Shilpa, Smt.K.P. Shailaja, Sri.Girish K., and Smt.Sunitha, Assistant Professors in the department coordinated the event.



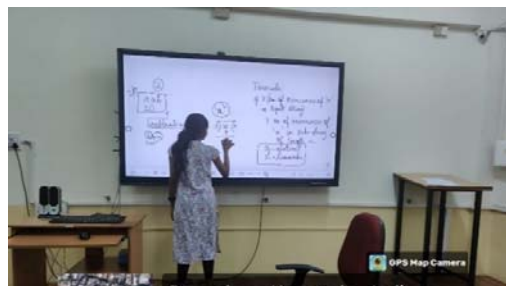
- Dr.B.L.Suresha, HOD, Physics co-authored & published a research paper titled, 'Improvement in electro-optical and dielectric properties of Silver nanoparticles dispersed in a nematic

liquid crystal', in Solid State Communications available online with impact factor 2.4, Q2 Journal, ISSN: 0038-1098

DOI: <https://doi.org/10.1016/j.ssc.2025.116068>

July 3rd, 2025

- The Placement Club of the Department of Computer Applications organized a coding contest on HackerRank. The session aimed at preparing the students for technical interviews.



July 4th, 2025

- Dr.Rajeshwari Hegde, Professor, Department of Electronics & Telecommunication Engineering and Dean(Student Affairs) attended the



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faculty Development Programme on 'The Power of Gender Equality-SDG 5', organized by IIT Bhubaneswar in collaboration with Heartfulness Institute during June 30th to July 4th, 2025.



Coupling of Indian Ocean and Its Climatic Responses'.

July 5th, 2025

Ms. Jyothi A Goudar, Research Scholar, Department of Physics presented a research paper titled, 'Dielectric Conductivity and Dielectric Properties of Co-doped NiFe_2O_4 at Room Temperature' in International Conference Innovations in Science and Technology for a Resilient Future (ICISTRF 2025–Online mode) organised by Society for Progressive Learning and Research in Collaboration with Department of Biochemical Engineering, HBTU, Kanpur & Atomhive Biotech Pvt. Ltd., and secured First Prize in Oral Presentation (Technical Session-II).

July 7th, 2025

Dr. Ram Rohit V., Associate Professor, Department of Mechanical Engineering participated in AICTE-QIP PG Certificate Program on 'Drone Technology (Unmanned Aerial Vehicles (UAV): Design, Development and Application)' organised at IIITDM, Kurnool during June 30th to 7th July 2025.

Department of Machine Learning organised five days Staff Development

Sri.V.C.Rudramurthy., Assistant Professor, Department of CSBS was awarded Ph.D. in Annual Convocation organized by VTU, Belgaum.



Ph.D. viva-voce of Research Scholar, Ms.Nisha P G., under the guidance of Dr.T.S.Pranesha, Retired Professor, Department of Physics of the college was conducted. Research topic : 'Air-Sea



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Program on 'Python for Machine Learning' to equip lab instructors with Comprehensive knowledge & practical skills in Python programming and its application in machine learning during July 7th-11th, 2025. The Lab instructors from various engineering colleges participated in the program. The faculty members in the department, Dr.Sowmya Lakshmi B.S, Smt. Varsha R, Dr.Jahnavi S, Smt.Maithri K, Smt.Chethana V., Smt.Lavanya B Koppal, Smt. Supriya P, Smt.Soniya L, Dr.Vinutha H., and Smt.Spoorthy G S., were instrumental in organizing & conduction of the program.



Dr.Rajeshwari Hegde, Professor, Department of Electronics & Telecommunication Engineering and Dean (Student Affairs) was invited to attend the Board of Studies meeting convened by the Department of Electronics and Communication Engineering, Bangalore Institute of Technology, Bangalore.

The Department of Management Studies and Research Centre organized a lecture on 'Ensuring Business Continuity through Site Reliability Engineering: Lessons from E-Commerce Giants' by Ms. Rashmi Math, Senior Manager at Walmart Global Tech India. The lecture focused on introducing the foundational principles of Operations Research and linking them with real-world applications in ensuring digital infrastructure stability, particularly in the e-commerce sector. Ms.Rashmi provided valuable insights into the role of Site Reliability Engineering (SRE) in maintaining seamless business operations amidst high demand and unexpected disruptions. Second Semester MBA students attended the lecture and through industry examples, the students were able to understand the criticality of proactive systems monitoring, risk mitigation strategies and infrastructure scalability.





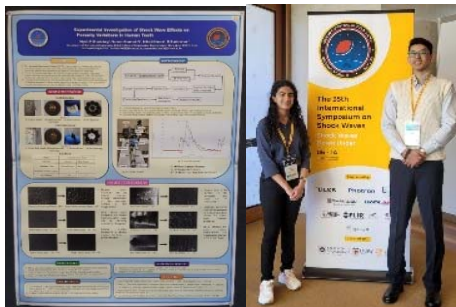
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✚ The students of VIII Semester BE (Mechanical Engg) participated in the 35th International Symposium on Shock Waves (ISSW35) organized at the University of Queensland, Brisbane, Australia and presented two technical papers under the guidance of faculty members in the department as cited below:

- Paper titled, 'Shock Wave Impact Effects on Surface Morphology of an Arecanut Leaf Sheath' presented by the students, Mr.Numan Ahamed N., Ms.Niyati P. Shanbhag and Mr.Nihad Ahmed under the guidance of Dr.B.Sudarshan and Dr.Anil Chandra A.R., Assistant Professors & Dr.N.R.Prabhu Swamy, Professor in the department.
- paper titled, 'Experimental Investigation of Shock Wave Effects on Porosity Variations in Human Tooth' presented by Ms.Niyati P. Shanbhag, and Mr.Nihad Ahmed under the guidance of Dr.B.Sudarshan, Assistant Professor in the department.



- ✚ Dr. Vardhaman S. Mudakappanavar, Professor, Department of Mechanical Engineering attended the AICTE-QIP PG Certificate Programme on Cybersecurity organised at IIIT Dharwad July 7th – 18th, 2025. The program aimed at strengthening faculty knowledge in critical areas of digital security and equipping them to integrate these insights into academic and research activities.





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✚ Dr. Shivashankar R. Srivatsa, Assistant Professor, Department of Mechanical Engineering attended the first session of the AICTE-QIP PG Certificate Programme in Machine Learning 2025 conducted at the Indian Institute of Science (IISc), Bengaluru, during July 7th – 18th, 2025. The program was designed to enhance faculty expertise and promote capacity building in advanced technologies.

July 9th, 2025

✚ Dr.G.S.Ananthnag, Assistant Professor, Department of Chemistry co-authored and published a journal article titled, 'Design, synthesis, crystal structure of novel hydrazone analogues as SARS-CoV-2 potent inhibitors: MD simulations, MM-GBSA, docking and ADMET studies' in the Journal, 'Royal Society Open Science', a web of science indexed Q2 journal published by The Royal Society Publishing.
DOI: <https://doi.org/10.1098/rsos.250373>.

✚ Department of Computer Science and Business Systems organised Industrial visit to UR Rao Satellite Centre Exhibition at Indian Space Research Organization (ISRO) for second semester students. Smt. Tejaswini K,

Assistant Professor, Department of CSBS accompanied the students. This visit inspired students by exposing them to real-world space missions and advanced technologies. It enhanced their understanding of theoretical concepts through practical insights.



July 10th, 2025

✚ Dr.B.Kanmani, Professor, department of Electronics & Telecom. Engg., was invited to conduct one day workshop on, 'Outcome Based Education', jointly organized by Tamil Nadu Council for Higher Education (TANSCH) and Directorate of Collegiate Education at Sri Meenakshi Government College for Women, Madurai.





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The Patent Office of the Government of India granted a Certificate of Registration of Design for the innovation titled, 'High Speed Punching Machine' of the team consisting of Dr. Prakash H. R., and Dr. Ram Rohit V., Associate Professors, Department of Mechanical Engineering.

July 11th, 2025

Dr. B Kanmani, Professor, Electronics & Telecom. Engg., was invited to conduct one day workshop on, 'Outcome Based Education', jointly organized by Tamil Nadu Council for Higher Education (TANSCHÉ) and Directorate of Collegiate Education at Rani Anna Government College for Women, Tirunelveli.

The Department of Management Studies & Research Centre organized a guest lecture for the second semester MBA students, with an aim of providing awareness and guidance for choosing their specialization. The session featured distinguished industry experts, Mr. Abhilash Samuel, Ms. Sahana Sirish and Ms. Smruthi Joshi, each bringing valuable insights from versatile professional domains. The speakers shared their career journeys, highlighted industry expectations and discussed emerging opportunities in various

functional areas, enabling students to make informed decisions about their specialization. They also addressed students' queries, offering practical tips for skill development and career planning. Around 200 students participated in the session. The event was well-received and proved to be an enriching experience for all the participants.



July 12th, 2025

Dr. H.M. Shivaprasad, Professor and Head, Department of Mechanical Engineering was felicitated under the Excellence in Academics category during the JNN College of Engineering Alumni Meet 2025, held in Bengaluru.





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- ✚ Sri.Shashiraj, Assistant Professor, Department of Mechanical Engineering delivered an awareness lecture to the students of Government Higher Primary School, Mortu, Kundapura Taluk on the topic, 'Digestion, Food & Health'. The session included video demonstration on digestion, nutrients, junk food & the importance of healthy food choices and harmful effects of tobacco, alcohol & Drugs.



July 13th, 2025

- ✚ The fourth semester MCA students participated in the 498th Green Sunday event organized by Adamya Chetana at Sri Jayachamarajendra Polytechnic (SJP), K.R. Circle, Bengaluru.



- ✚ Department of Physical Education & Sports organized the Prize Distribution Ceremony to felicitate the winners in the Intramural Sports Competition conducted for PG students (academic year 2025–26) during June 18th-19th, 2025. The Principal presided over the function and felicitated the winners.



July 15th, 2025

- ✚ Dr.B.L.Suresha, HOD, Physics published a research paper titled, 'Electrical and Dielectric studies on MWCNT and Fullerene-Doped SnSe Nanocomposites for Thermoelectric Applications', in the Journal of Electrostatics, with impact factor 2.1, Q2 Journal, 0304-3886 (print) and 1873-5738 (online).



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Dr. Rajeshwari Hegde, Professor, ETE and Dean(Student Affairs) , Dr.Santhosh Desai, Professor, ECE & Dr.Geetishree Mishra, Associate Professor, ECE participated in the meeting convened with researchers from Heartfulness Institute, Heartmath Institute USA and professors from Gogte Institute of Technology, Belagavi to discuss about the collaborative project on Global Consciousness.



July 16th, 2025



Mr.Shivank V , 2nd Semester UG student in the department of ECE participated in the Rhine - Ruhr 2025 FISU World University Games organised at Berlin, Germany during July 16th -27th July, 2025 representing Indian Universities Men's Swimming team.



July 17th, 2025



Dr. H. R. Prakash and Dr.V. Ram Rohit, Associate Professors, Department of Mechanical Engineering co-authored and published a research article titled, 'Investigating the Impact of Silver on Magnetostriction in Ni41-xAgxMn50Sn9 ($x \leq 2.0$) Heusler Alloys' in Discover Applied Sciences (2025)

<https://doi.org/10.1007/s42452-025-07396-1>.

July 18th, 2025



Smt.K.Tejaswini, Assistant Professor, Department of CSBS successfully completed Faculty Development Program on 'Data Science with GenAI' approved by Innomatics Research Labs.

July 19th, 2025



Dr. Monika Puttaramaiah, Associate Professor in the Department of Artificial Intelligence and Machine Learning, successfully completed a 15-day Industrial Training Program on the topic: 'Automated Media-Generation using Multi-Agent Workflow' at Digi9 Reach Info Systems Private Limited, Bengaluru



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starting from 19th June 2025.



July 20th, 2025

- The fourth semester MCA students participated in the 499th Green Sunday event organized by Adama Chetana at Anantavana, Basavanagudi Middle School, B.P. Wadia Road, Basavanagudi, Bengaluru.



- Dr.R.Jayagowri, HOD-Medical Electronics, invited as a tutorial speaker, conducted a tutorial session titled, 'Scan based Testing and Test security challenges: Scan and security can live together' in one of the premier VLSI conferences of India, "9th IEEE International Test Conference India 2025' organised at Radisson blu, Marathahalli Ring Road, Bengaluru during July 20-22, 2025.



July 22nd, 2025

- Dr. G. N. Rameshaiah, Professor in the Department of Chemical Engineering attended five days faculty development program on 'Interdisciplinary Manufacturing Process Advances and Characterization Techniques' organized by Jain College of Engineering and Research, Udyambag, Belagavi during July 22nd - 26th, 2025.



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- Dr. Sowmya Lakshmi B S, Smt.Varsha R, Dr.Jahnavi S, Smt.Maithri, Smt.V.Chethana, Smt.Supriya P, Smt.Soniya L, Smt.Spoorthi G S & Dr.Vinutha H., Assistant Professors in the Department of Machine Learning participated in Industrial Professional training on 'Generative Artificial intelligence' from 1st July 2025 to 22nd July 2025 organized by Techmiya Solutions India Pvt. Ltd., Bengaluru.



July 23rd, 2025

- Ms. Jyothi A Goudar, Research Scholar, Department of Physics presented a research paper titled, 'Coupled Electrical and Electrochemical Properties of Ni-Co Spinel Ferrite: Influenced Cation Substitution On Hopping Dynamics, Interfacial Polarization and Redox Activity' in the International Conference, Advanced Materials and Green Technologies – 2025 (ICAMGT – 2025), organised by Amrita Vishwa Vidyapeetham, Coimbatore during July 23rd - 26th, 2025.

July 24th, 2025

- Dr. Reshmi Devi T V., Associate Professor, Department of Civil Engineering attended one day Symposium organised at IISc, Bangalore to mark the 75th year celebration of the Department of Civil Engineering, IISc.
- Dr.B.Kanmani was invited to conduct the forenoon session on, 'Bloom's Taxonomy', during the one week FDP on, 'Strategic OBE implementation for accreditation compliance', organized by the department of ECE, SJB Institute of Technology, Bengaluru



- Department of Physical Education & Sports in association with Heartfulness Institute, Bengaluru conducted Online Yoga and Meditation session for staff &



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students during July 24th- 27th, 2025. Yoga experts handled the sessions.

July 25th, 2025



Dr. Sharanappa Chapi, Assistant Professor and Dr.Murugendrappa M.V., Associate Professor, Department of Physics co-authored and published a research paper titled, 'Recent Ferrite-polymer composites: A novel approach to high-performance energy storage materials' in Next Energy 8 (2025) 100367.Q2 Journal, ISSN 2949821X <https://doi.org/10.1016/j.nxener.2025.100367>



NBA expert team visited the college during July 25th - 27th, 2025 for the evaluation of the following PG programs.

- MBA
- MCA
- M.Tech-Electronics & Communication Engineering

July 28th, 2025



Department of Computer Applications organised a valedictory session for the value-added course titled, 'Practical Approach to Software Project Management (SPM)', conducted for second

semester MCA students from May 21st, 2025 to July 28th, 2025. The resource person for the course was Sri.Ravikumar Kalose N., founder of ProPM Academy and a distinguished alumnus of the department (Batch of 1985–88). Dr.D.N.Sujatha, Professor in the department coordinated the event.



The Department of Computer Science and Business Systems organized five Days online Industry Oriented FDP on 'Empowering Educators through Emerging Technologies in the IT Industry' in collaboration with TCS during July 28th to 1st August, 2025. The FDP aimed to bridge academic and industry practices by equipping faculty with insights into the latest IT trends. Experts from TCS delivered impactful sessions on GenAI, Cloud, Cybersecurity, Virtualization,

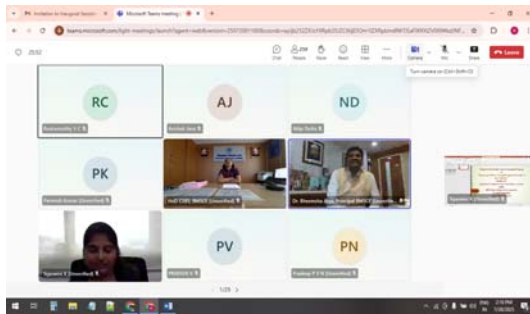


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Augmented Reality and Virtual Reality.



July 29th, 2025

Dr. Rajeshwari Hegde, Professor, Department of Electronics and Telecommunication Engineering published a paper titled, 'Impact of Heartfulness Practice on Mental Wellbeing' in the scopus indexed journal, Forum for Linguistic Studies, ISSN:2705-0610

July 30th, 2025

Dr. G. Chandrashekara, Associate Professor, Dept. of Mathematics, co-authored & presented the paper titled, 'Thermal and Fluid Flow Dynamics Over a Single-Walled Carbon Nanotubes in Converging and Diverging Channels Under Darcy-Forchheimer Flow Conditions: A Comprehensive Analysis' in Int. J. Appl. Comput. Math (2025) <https://doi.org/10.1007/s40819-025-01956-0>, Springer, July 2025.

July 31st, 2025

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

- Dr. K S Vasundhara Patel, Professor, Dept of E&C Engg.
- Dr. Suresh S M, Professor, Dept of Mechanical Engg.
- Dr. Dharmaprakash M S, Professor, Dept of Chemistry
- Sri. Yogesh M, Helper, Dept of Civil Engineering



NIRANTHARA, Solid Waste Management Unit distributed free compost generated at the unit to the employees of BMSCE. Around 250 Kgs. of compost was distributed to around 150 employees of the college. This initiative was to promote eco-friendly



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sustainable development through
organic farming.