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REPORT ON COLLEGE ACTIVITIES – JUNE 2025

June 1st, 2025

✚ Sri. Santhosh Somashekar, Assistant Professor in the department of Mechanical Engineering attended the live workshop on Generative AI Tools conducted by Sri. Hardik Raja, Microsoft Certified Expert, Co-Founder & COO, Skill Nation.

✚ Dr.Shubha A., Assistant Professor, Department of Physics co-authored and published a research paper titled, 'Multifunctional polyvinylpyrrolidone-graphene nanocomposites: Unlocking synergistic electrical, dielectric and antimicrobial properties' in Journal of Diamond & Related Materials, Q2 journal with impact factor 4.3, Vol.157, Page NO: 112488, ISSN: 0925-9635.

<https://doi.org/10.1016/j.diamond.2025.112488>

June 3rd, 2025

✚ Dr. Ravi Shankar P N, Assistant Professor Department of Chemistry co-authored & published a research article titled, 'Interplay between Fluorescence and Isomerism: The Excited-State Intramolecular Proton-Transfer Phenomenon in Chiral Liquid Crystalline Dimers', in the Journal of Physical Chemistry B, 248, 03, June, 2025, Q3, impact factor 2.8.

<https://pubs.acs.org/doi/10.1021/acs.jpcb.5c00>.

June 4th, 2025

✚ Dr.Karthik Kumara, Assistant Professor, Department of Physics published a research paper titled, 'Electronic Waste-Derived Silver Nanoparticles for Drug Interactions and Antioxidant Applications', BioNanoScience (2025) published online with impact factor 3.2 SJR: Q3, ISSN : 2191-1630 (print) 2191-1649 (Electronic) DOI: <https://doi.org/10.1007/s12668-025-02006-1>.

✚ Dr.Karthik Kumara, Assistant Professor, Department of Physics was awarded reviewer certificate in recognition of his contribution to review research paper for Journal of Chemical Crystallography.

✚ The 'Projects Exhibition - 2025', showcasing the project works of final year students was organised by the department of Mechanical Engineering. Final year students exhibited their technical project works through working model, simulated results and posters. Dr.A.N. Viswanatha Rao, Retired Scientist-H, GTRE-DRDO, Dr.Karthikeyan N., Scientist, CSIR-NAL were Chief Guests for the inauguration



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of the exhibition and Dr.H.M.Shivaprasad, HOD of the Mechanical Engineering presided over the function. Dr.Sudarshan, Assistant Professor in the department coordinated the event. The external reviewers evaluated the projects.



June 5th, 2025

The students of MCA & NSS volunteers of the college participated in World Environment Day celebrations organized by Adamya Chetana foundation. To mark the occasion, Adamya Chetana foundation had organized two impactful events: Tree Plantation Drive at Sarjapur – Anekal Road, Kommasandra and Green Lifestyle Showcase at Anantana Vana, Swacha Kalika Kendra, HSR Layout. Dr.Tejaswini Ananthkumar, Co-founder, Adamya Chetana Foundation delivered an insightful talk on the significance of trees in maintaining ecological balance. Dr.Sujatha N., Assistant Professor, Mathematics & NSS program officer of the college and Smt.Pushpa, Assistant Professor, MCA coordinated the event.





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✚ Sri.Shankru Guggari, Research Scholar, Dr.Umadevi V., Professor, Department of CSE and Dr.Vijayakumar K., Professor, MCA co-authored & published an eBook titled, 'Advances in Partitioning Techniques: A Prospective Towards Artificial Intelligence'.
DOI:<https://doi.org/10.1201/9781003471905>
Publisher: Chapman and Hall/CRC.

✚ Placement Club, Department of Computer Application conducted a Hackerrank Coding Assessment for second semester students in the department to strengthen placement readiness, offering students hands-on experience with real-time online coding tests commonly used by recruiters. The individual, timed assessments simulated actual placement environments, helping students gain confidence with the interface, question patterns and time constraints of technical evaluations.



June 6th, 2025

✚ Dr. Ravikumar M., Assistant Professor, Department of Mechanical Engineering published a paper titled, 'Investigation on the tensile strength, hardness and wear properties in n-B₄C reinforced Al7075 composites' in Fracture and Structural Integrity, 19(73), 219–235.

<https://doi.org/10.3221/IGF-ESIS.73.15>

DOI: 10.3221/IGF-ESIS.73.15

✚ Dr.Murugendrappa M.V., Associate Professor, Department of Physics attended BOS meeting convened at Department of Physics, Dr.Ambedkar institute of Technology, Bengaluru as an External Member.

✚ Dr.B L Suresha, Associate Professor & Head, Dept. of Physics co-authored and published a research paper titled, 'Electrochemical studies on tin selenide and fullerene decorated MWCNTs for sensor and dye degradation applications' J Mater Sci: Mater Electron (2025) 36:966) published online with impact factor 2.478 SJR: Q2, 0957-4522 (Print) and 1573-482X (Online) DOI <https://doi.org/10.1007/s10854-025-15011-7>



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✚ Department of Computer Applications organized a visit to 'Param Innovations' for the second semester students. The faculty members in the department, Dr.D.N.Sujatha, Dr.V.Padmapriya, Sri.Girish K & Dr.Vijayakumar K along with Dr.Savithri Bhat, Dean Innovation accompanied the students. The visit helped in gaining practical insights on the innovation ecosystem, understanding the process of innovation and potential collaborations with Param.



June 7th, 2025

✚ Dr.Karthik Kumara, Assistant Professor, Department of Physics attended & successfully completed Faculty Development Programme on 'QT-03 - Foundations of Quantum Technologies', 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 during May 16th - June 07th, 2025 . The programme was funded by MeitY and endorsed by DST - NQM / AICTE / UGC.

✚ Ms.Sandhya M S of 2nd Semester MCA and Mr.Sammith of 6th Semester BE(Aerospace Engineering) secured 1st and 5th place respectively in the 21-25 years Women's and Men's categories at the Karnataka State Yogasana Sports Championship 2025, organized by the Karnataka State Amateur Yoga Sports Association® during June 7th - 8th, 2025.



June 8th, 2025

✚ Students of fourth semester MCA, participated in 493rd Green Sunday



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organized by Adamyia Chetana at Subramanyapura Lake, Uttarahalli-Subramanyapura Road, Bengaluru.



June 9th, 2025

- Intellectual Property India, the Patent Office of Government of India has granted certificate of registration for design titled, 'Precision Module Inclinator' of Sri. Suresh Erannagari, Assistant Professor, Department of Mechanical Engineering et al.

June 10th, 2025

- BMSCE Handball Men team secured 2nd Runners-up position in VTU State Level Handball Championship 2025-26, organized by MIT Mysore.



June 11th, 2025

- Dr.Prathima B., Assistant Professor, department of Civil Engineering delivered expert lecture at Vellore Institute of Technology (VIT), Chennai for the sixth semester engineering students.

- Dr. Manjunath N K, Assistant Professor, Department of Civil Engineering attended Two-Day Gatekeepers Training and Teachers training for Youth Champion organised at NIMHANS, Bangalore as part of a collaborative project between ICMR and NIMHANS. The training aimed at equipping faculty with the skills to identify and support students in



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distress, as part of a broader mental health and well-being initiative.

June 12th, 2025

✚ Dr. Manish S., Assistant Professor in the department of Civil Engineering took part in the Structural condition Assessment of two iconic heritage structures namely, Devaraj Market and Lansdowne Building in Mysore during June 12th & 13th, 2025.

✚ Sri.Devaraj K., Assistant Professor, Department of Mechanical Engineering was invited as a Resource person for Two-Day Faculty Development Program (FDP) on 'Sustainable OBE: Mapping, Accreditation and Continuous Improvement' organized under the aegis of the Internal Quality Assurance Cell (IQAC) at NMIT, Bengaluru. The program aimed to deepen the faculty's understanding of Outcome-Based Education (OBE), focusing on effective implementation, curriculum mapping, accreditation preparedness and strategies for continuous improvement.

June 13th, 2025

✚ Dr. Shivakumar R., Associate Professor in the Department of Chemical Engineering published a research paper titled, 'Polyglycerol fatty acid esters from biodiesel-based crude glycerol: the

impact of esterification studies on structural alterations' in the journal Indian Chemical Engineer, a Q4 web of science indexed journal, with an impact factor 0.9. DOI:

<https://doi.org/10.1080/00194506.2025.2511718>

✚ Department of Computer Applications conducted a Value Added Course on 'Information Security Risk Management' for second Semester MCA Students (32 hours) during June 10-13, 2025. The resource person was Mr. Joe Bastian, Co-founder and Managing Director of an International Recruitment Company & Department Alumnus(1985-88 Batch). Dr. D N Sujatha, Professor in the department coordinated the event.





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June 14th, 2025

- Dr. Sainath K., Associate Professor in the Department of Chemical Engineering was invited as a jury member to evaluate the Oral presentations of Chemical Engineering stream for the conference, 'BioChESS-2025' organised at the Department of Chemical Engineering, Siddaganga Institute of Technology, Tumakuru.



- Ms.Rakshitha K M and Ms.Reethya Giridhar, eighth semester Chemical Engineering students presented the research work titled, 'Comparative Analysis of Pristine and Modified Banana Peel Hydrochar for Cr (VI) Adsorption: Insights from CCD and ANN Modeling', co-authored by Dr. Sainath K, Associate Professor in the Department of Chemical Engineering and Dr.Prathima B., Assistant Professor in the Department of Civil Engineering, in BioChESS-2025 held at the Department of Chemical Engineering, Siddaganga Institute of Technology, Tumakuru. They won the best presentation award.

- Dr. Sainath K., Associate Professor in the Department of Chemical Engineering completed the 'IUCEE Felder Brent Effective Teaching and Learning course 2024-25', with distinction, which involved 12 Webinars and Assignments conducted by Dr.Richard Felder and Dr.Rebecca Brent.

- The Department of Chemical Engineering hosted the 'Best project award and Best outgoing student award' event, an annual event organized by the Indian Institute of Chemical Engineers (IChE), Bangalore Regional Centre (BRC), in partnership with the core committee of the IChE-BMSCE student chapter. The distinguished chief guests, Dr. Y J Rao, Emeritus Professor, BRC-IChE, Dr. K S Rajanandam, Former Principal, MSRIT, BRC-IChE, Dr.Koteswara Rao Jammula, Hon. Secretary, BRC-IChE, Dr.Bheemsha, Principal, Dr. Chetan A Nayak, Professor & HoD-Chemical and Dr. G. N. Rameshaiah, Professor & IChE Coordinator graced the occasion.





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✚ Mr.Aniruddh Vedula, Mr.Aravind Sreekanth, Mr.Jadhav Ritesh and Mr.Pranav Karanth M S., eighth semester students of the Chemical Engineering department won 2nd Prize in the prestigious Best Project Award by Indian Institute of Chemical Engineering (IChE) Bangalore chapter 2024-25, Bengaluru, for their the project titled, 'Biochar Doped Cerium Oxide: Synthesis, Characterization and Electrochemical Studies', guided by Dr. Shivakumar R, Associate Professor, as guide and Dr. Hari Prasad Uppara Assistant Professor in Chemical Engineering Department as co-guide.



✚ Stoicheiodis Scientia Pvt. Ltd., a start-up, registered by Dr.Suneetha Y K, Professor in the Department of Chemical Engineering has been selected for the NEST, Design Impact Movement Program. The idea of the start-up is chosen under 'Projects focused towards innovating for social impact'. NEST (National Entrepreneurship Program for Social Transformation) is launched

by Titan company limited jointly with Indian Institute of Management, Calcutta Innovation Park, IIMCIP. The program gives teams access to incubation support, mentorship and seed fund access. Program is a social initiative by Titan Company Limited.

✚ Dr.Srinidhi Raghavan M., Assistant Professor, Department of Chemistry co-authored & published a research paper titled, 'Engineered ZnFe₂O₄/C nanocomposite for efficient hexavalent chromium removal', Hybrid Advances(Elsevier 2025). 14th April 2025. Q4 Journal. ISSN: 2773-207X

<https://doi.org/10.1016/j.hybadv.2025.100518>

✚ Dr.Ravi Shankar P N, Assistant Professor, Department of Chemistry published a research article titled, 'Interplay between Fluorescence and Isomerism: The Excited-State Intramolecular Proton-Transfer Phenomenon in Chiral Liquid Crystalline Dimers', in Journal of Physical Chemistry B, 248, 03, June, 2025, Q3, impact factor 2.8. <https://pubs.acs.org/doi/10.1021/acs.jpcb.5c00>.

✚ Dr. K Asha, Assistant Professor in the department of Civil Engineering was invited as the Chief Guest for the World



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Environment Day celebration at Vijaya School, Maddur District and delivered an awareness talk on environmental conservation to the school students and also participated in sapling plantation drive as part of the celebrations.



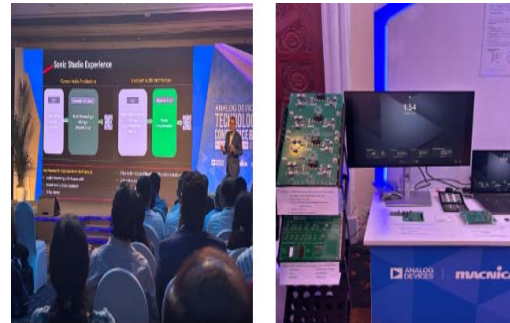
June 15th, 2025

Students of fourth semester MCA participated in 494th Green Sunday organized by Adama Chetana at Bengaluru University Campus, NGEF Bio-Park, near Gandhi Research Centre, Bengaluru.



June 17th, 2025

Mr. Suprith Kumar S., Assistant Professor, Department of Electronics and Communication Engineering participated in 'Analog Devices Technology Conference 2025' organised at Leela Palace, Bengaluru. The sessions focussed on Automotive Electronics, Aerospace, Defence and Communication, Industrial and Digital Healthcare and Power You Can Trust. Industry experts were the resource persons. Project exhibition on the latest chips developed by Analog Devices for various applications was also organised.



June 18th, 2025

Dr. G. Saravanakumar, Professor, Department of Mechanical Engineering attended Technical Seminar on 'Fluid Power Professionals Day' organised at Hotel Taj Yeshwantpur, Bengaluru during June 18th-19th, 2025.

Department of Physical Education & Sports conducted Intramural Sports



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Competitions for PG Students during June 18th - 20th, 2025.



June 20th, 2025

✚ Dr.K.Asha, Assistant Professor, department of Civil Engineering, nominated by VTU as member of Board of Studies (BOS) for Department of Civil Engineering, RR Institute of Technology, Bangalore, attended the BOS meeting convened at RR Institute of Technology.



✚ Mr.Tarun of second Semester BE(CSBS) secured 1st place in the 15-20 years Boys (Common) category and 4th place in the 15-20 years Boys (Advanced) category and Ms.Adithi G. Rao of eighth Semester BE(Mechanical Engineering) & Ms.Smruthi Sathish of eighth Semester BE(ECE) secured 1st and 2nd place respectively in the 20-30 years Women's (Advanced) category at the State Level Yogasana Championship, organized by Sri Punarvasu Yoga Kendra, Bengaluru.



June 21st, 2025

✚ On the occasion of the 11th International Day of Yoga (IDY) – 2025, the Department of Physical Education & Sports in association with NCC, NSS and the Heartfulness Institute successfully organized two sessions of Yoga and Meditation to promote the theme, 'Yoga for One Earth, One Health'. Sri. Ramesh Krishnan, Director – Heartful Campus was the Chief Guest and Sri. Nitin Nirmal, Associate Director – Youth Initiatives, Heartfulness Institute was the Guest of Honour. The Principal,



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Vice Principal (Academics), Dean(Student Affairs), Assistant Director of Physical Education and the Physical Education Instructor graced the occasion. The Chief Guest & Guest of Honor emphasized the importance of incorporating yoga in daily life for holistic well-being.



The Department of Computer Applications in collaboration with Vipra Software Pvt. Ltd., successfully organized a 30-hour hackathon titled, 'Hack-The-Work 2025', focused on building smart workplace solutions during June 19th - 21st, 2025. Sri..Rahul Anand, Co-founder, Vipra Software & Consultant at SquareShift, Sri.Ravi Kumar Mishra, Technical Lead, Wipro, Sri.Prasanna Kumar, Data Architect, Anko GCC,

Sri.Pradeep Maharana, Data Analytics Architect, Wipro, Ms. Sowmya Nayak Sujir, Software Manager, SLK Global Solutions were the jury members. The winners were felicitated. Smt.S.Shilpa & Smt.K.P.Shailaja, Assistant Professors in the department coordinated the event.



Department of Computer Applications organized a field trip to Bio-methanation Plant - Yediyur Ward, as part of the institute's societal activity initiative. The aim was to expose students to real-world environmental sustainable practices. Smt. Pushpa T S, Assistant Professor in the department coordinated the event.





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Additionally, the students had the opportunity to visit a wormiculture farm, where earthworms are used for organic waste management and also Yediyur park, which is equipped with solar-powered lighting, improving air quality and providing a habitat for pollinators.



June 22nd, 2025

- Dr. Savithri Bhat, Professor & Dr. Rashmi Shenoy, Assistant Professor in the department of Bio-technology co-authored & published an article titled, 'Elucidation of the encapsulated triterpene glycosides of *Gymnema sylvestre* on GLUT4 expression and integrative in silico modeling of potential α -glucosidase inhibitors' in Journal of Molecular liquids (Elsevier), Q1.

June 23rd, 2025

- Col.Rajshekar S. Hiremath, research scholar defended his PhD Viva voce. Topic-'Ambient Air Quality Status, Trends and related Modelling in Bangalore city' under the guidance of Dr.Maya Naik, Former Professor, Department of Civil Engineering of the college.



- Dr.Rafiq Mulla, Assistant Professor, Department of Physics published a research paper(review) titled, 'What's new in PEDOT:PSS thermoelectrics?' in Chemical Communications(RSC), Volume 61, Page number: 02163, June 23rd, 2025, and Web of Science & Scopus Indexed, Quartile:Q2, Impact factor: 4.2 Online ISSN:1364-548X
DOI: <https://doi.org/10.1039/D5CC02163D>
- Department of ECE in collaboration with the department of EIE organised a Staff Skill development program on Vision-AI systems design, Edge AIOT



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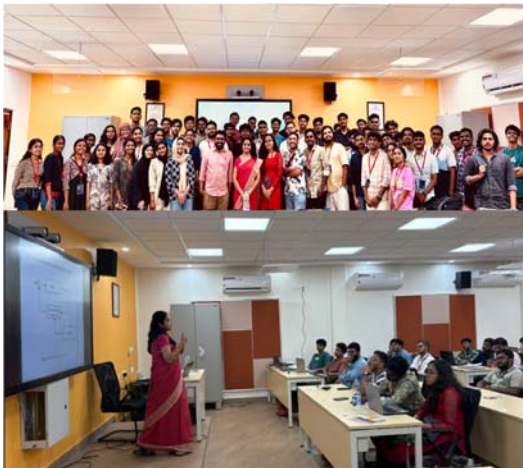
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and TULIP Robotics Kit during June 23rd – 27th, 2025. Around 25 technical staff members of the college participated in the said Program.



- Dr. Prema V., Associate Professor in the department of EEE delivered a technical talk and hands-on session during one week training course on 'Integrated Skills in Power Electronics and Embedded Systems' organised at National Institute of Technology, Calicut, Kerala.



- Dr. Ravikumar M, Assistant Professor, Department of Mechanical Engineering attended AICTE Sponsored 08-Day Faculty Development Program on 'Universal Human Values - II (UHV – II)' organised at Sri Venkateswara College of Engineering, Tirupati during June 23rd-30th, 2025.

June 24th, 2025

- Sri.Pradeep S., Assistant Professor, Department of Bio-technology was awarded the Doctor of Philosophy degree from the Indian Institute of Technology Bombay. His research focused on the development of a simplified mathematical model to understand glucose-insulin dynamics in healthy and Type 2 diabetic individuals. The thesis integrated clinical data and computational simulations to evaluate the effects of pharmaceutical and dietary interventions on glucose homeostasis.

- Dr.Vandana M, Assistant Professor, Department of Physics co-authored & published a research paper titled, 'Porous Carbon Nanospheres and MXene Nanocomposites for Enhanced Energy Storage Devices' in Journal of Chemistry Select, Q3 journal with impact factor 2.0, Vol. 10, Page No: 202500728,ISSN: 2365-6549

[DOI: doi.org/10.1002/slct.202500728](https://doi.org/10.1002/slct.202500728)



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✚ Dr.Vandana M, Assistant Professor, Department of Physics co-authored & published a research paper titled, 'Self-assembled micelle-based polypyrrole nanotube-incorporated copper oxidenanocomposite for the optical, structural and electrochemical detection of hydroquinone in water samples and HER application' in Journal of RSC Advances, Q1 journal with impact factor 4.6, Vol. 15, Page NO: 21898 , ISSN: 2046-2069

[DOI: 10.1039/d5ra03381k](https://doi.org/10.1039/d5ra03381k)

✚ Dr.K.Asha & Dr.Prathima B., Assistant Professors in the department of Civil Engineering successfully completed the 8-module course of the National Initiative for Technical Teachers Training (NITTT) under the AICTE scheme in June 2025 through online mode.

June 25th, 2025

✚ Dr.K.Parthan and Dr.Dheeraj N.Kumar, Assistant Professors in the department of Civil Engineering attended 1st World Water Symposium on Sustainable Transport and Livability organised at IISc, Bengaluru during June 25th -27th, 2025.

✚ Dr.Darshan C Sekhar, Assistant Professor, Department of Civil Engineering was invited as a resource person for a training programme to ITI

holders organised at L & TC-TEA (Corporate Technology & Engineering Academy), Mysore during June 25th -28th, 2025.

June 26th, 2025

✚ Department of Computer Application conducted a placement-oriented coding contest on the Hackerrank platform. The challenge featured problems categorized into Easy, Medium and Hard levels.



✚ Department of Electronics and Communication Engg., organised a Lecture on 'Low Power VLSI Design' by Sri.Yogesh Agrawal, Senior Manager, Digital Design, Texas Instruments for the second semester PG students in the department. Dr.Veena M B, Professor in the department coordinated the event.





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June 27th, 2025

Department of Computer Applications in association with BMSCE ACM Student Chapter organized a technical talk on 'Fun with Algorithms' by Dr. Sachin P Lodha, Secretary, ACM India, Chief Scientist @ TCS Research. Dr. Seemanthini K, Associate Professor, Department of Machine Learning (AIML), Sri. Girish K and Smt. Sunitha K, Assistant Professors in the department of Computer Applications coordinated the event.



Dr. Venkatesh T Lamani, Assistant Professor, Department of Mechanical Engineering attended two days

Residential Training Programme for Standards Club Mentors (BIS Mentor Reinforcement Programme) organised at RG Royal Hotel, Bengaluru during June 27th-28th, 2025.

Dr. Pradeep S., Assistant Professor, Department of Bio-technology co-authored & published a paper titled, 'Synthesis, In silico studies and antitumor activity of new 4-bromo-2-(1H-1,2,4-triazol-3-yl)aniline derived Schiff bases' in a Q2 journal, Journal of Molecular Structure (Impact Factor: 4.7).

June 28th, 2025

Mrs. Sasha Azimi, research scholar successfully defended her PhD Viva voce under the guidance of Dr. K Asha and Dr. T Rajanna, Assistant Professors in the department of Civil Engineering. Research title-'Effect of pattern of stiffness on buckling characteristics of quasi-isotropic composite laminates with cut outs subjected to nonuniform in plane edge loads'.





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✚ Dr.Chandrashekara G., Associate Professor & Dr.Hemanth Kumar C., Assistant Professor, Department of Mathematics co-authored and published the paper titled, 'Linear and Nonlinear Stability Analysis of Nano- Fluid Flow through a Low-Permeable Porous Channel' in the CFD Letters 17, Issue 11 (2025) Page No. 160-186. In June 2025.
<https://doi.org/10.37934/cfdl.17.11.160186>

✚ Around 125 alumni (2000 batch) reunited at BMSCE campus. The years melted away like they were never apart; Laughter echoed louder than ever and memories came alive through every photo, anecdote and playful tease.



✚ Department of Computer Applications in association with ISO 14001- 2015 EMS, BMSCE organized a talk on 'Global warming - Eco Friendly and Sustainable Development - Can Indian Biofuel initiatives be a solution?' by Sri.Ramakrishna Y B, Former Chairman-Working Group on Bio Fuels, MoP&NG (2015-2018), Partner, BEST Associates. Dr.K.Vijayakumar, Professor & Smt.Pushpa T S , Assistant Professor in the department coordinated the event.





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June 30th, 2025

✚ Sri.Lakshminarayana, Associate Professor, Department of Computer Application along with the student, Ms.Chandana, published a research paper titled, 'Skin Disease Classification Using Explainable AI' in International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056, Volume: 12 Issue: 06 | Jun 2025.
www.irjet.net p-ISSN: 2395-0072.

✚ Dr.Santosh R Desai, Professor, Department of Electronics and Communication Engineering, Co-authored and published a research paper titled, 'Classified Unauthorized Attack Detection & Protection for Secured Experimental Water Distribution Incorporated Industrial Automation Tools' in International Journal of Intelligent Engineering and Systems (Scopus, Q2 Journal) vol. 18, no. 5, pp. 635-656, Jun. 2025.

DOI:<https://doi.org/10.22266/ijies2025.0630.45>

✚ The following employees who retired from service at the college on 30th June 2025 on attaining the age of superannuation were felicitated.

- Sri.K.S.Chandrappa, SDA, Academic Section
- Sri.C.V.Ramakrishna, Helper, Dept. of Mechanical Engg