





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

Autonomous Institute, Affiliated to VTU

### REPORT ON COLLEGE ACTIVITIES – SEPTEMBER 2025

Technology Annual Conference - 2025 Glass East and West organised at Murray Edwards College, Cambridge University, Cambridge,UK during September 1<sup>st</sup>-3<sup>rd</sup>, 2025.



Two weeks Faculty Development Programme (FDP) on ‘Training Trainers for Developing Employability’, was organized during Sept.1<sup>st</sup> -13<sup>th</sup>, 2025 for the benefit of faculty members of BMS sister institutions. Dr.R.L.Nandeshwar, Consultant-Academic Assessment & Development was the resource person.

Department of Civil Engineering in association with Autodesk ISCT conducted Hands-on software training in Building Information Modelling (BIM) for seventh semester students during Sept. 1<sup>st</sup> -3<sup>rd</sup> & 8<sup>th</sup>-10<sup>th</sup>, 2025. Dr.A.Sreenivas Murthy and Sri.Chiranth Bore, Assistant Professors in the department coordinated the event.

#### September 2<sup>nd</sup>, 2025

Department of Aerospace Engineering in collaboration with CEHSC of the college organized a lecture on the topic, ‘Awareness on Competitive Examination and Higher Studies’ for students of seventh & fifth semesters on 2<sup>nd</sup> September 2025 and 3<sup>rd</sup> September 2025 respectively. The resource persons were Mrs. Sushma Vasudev from AHZ Associates and Sri.Deepak from BMS academy for Professional Education.

Mrs. Sushma gave inputs to the students about higher studies in the UK, the benefits, advantages in pursuing the masters/PhD. Sri.Deepak briefed about the importance of the Civil services examination .



Dr.M. Dakshayini, Professor & HOD, Machine Learning(AIML) was invited to conduct NBA mock visit at Vidyavardhaka College of Engineering,



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Mysore.



- Dr. Jaya R. Shinganmakki, Professor in the Dept. of Civil Engg., delivered a guest lecture on the topic, 'Use of Alternate Materials in Road construction-Theory to practice' at M S Ramaiah Institute of Technology, Bangalore during the FDP on 'Sustainable Practices and AI Applications in Civil Engineering'.



- Dr. Prema V., Associate Professor, Dept. of EEE was invited as the Chief Guest for the inauguration of IEEE PELS SBC at Global

Academy of Technology, Bangalore



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

- Department of Electronics and Communication Engineering signed a MOU with Robomanthan Pvt. Ltd., – IIT Incubated for the purpose of making students industry-ready and to reduce the gap between industry and academia.

- Dr. Rafiq Mulla, Assistant Professor, Department of Physics published a research paper titled, 'Construction of a floating thermoelectric generator using thin films' in *Smart Materials and Structures (IOP)*, Volume 34, Page number: 095011, September 3<sup>rd</sup>, 2025, and Web of Science & Scopus Indexed, Quartile: Q1, Impact factor: 3.8 OnlineISSN:1361-665 X DOI 10.1088/1361-665X/adfe47

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

- Dr.G. Giridhara, Professor, Department of Mechanical Engineering attended



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Board of Studies (BOS) meeting organised at PSNA College of Engineering and Technology, Dindigul, Tamil Nadu as Subject Expert.

- Department of Chemical Engineering in association with Competitive Examinations and Higher Studies Cell (CEHSC) of the college organized a lecture on the 'Higher Education and Civil Service Examination Preparation' for the benefit of seventh semester students of Chemical Engineering. Mrs. Padma and her crew from Fragomen Educational Services and Sri. Deepak from BMS Academy conducted the session.



- The Department of Electronics and Instrumentation Engineering hosted a lecture series related to Student Mental Health. The session was conducted by Smt. Jyothi Acharya, Branch Manager, Gradstar Global Education, Bengaluru. Around forty students attended the

event.



#### September 5<sup>th</sup>, 2025

- Dr. H S Sumantha, Assistant Professor, Dept. of Physics attended five days Online Webinar on Topical Sustainable Development in Science & Technology - 2025 organized by Department of Chemistry, Don Bosco Institute of Technology.

- Dr. B. Sudarshan, Dr. Venkatesh T Lamani, Assistant Professors, Department of Mechanical Engineering et.al., co-authored and published a journal titled, 'Characteristics of Chitosan Biopolymer subjected to Shock Wave Impact' in Polymers for Advanced Technologies, Volume 36, issue 9 DOI: <https://doi.org/10.1002/pat.70339>, Impact factor and Q level: 3.4, Q2

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

- The department of Chemistry organised an outreach activity for students of



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BBMP high school, Ashok Nagar, Bengaluru. The activity was conducted under the theme, 'Learning by doing; connecting classroom learning to chemistry in everyday life'. About 80 students with their teachers visited the lab and witnessed series of interactive experiments connected to their curriculum.



The department of Chemical Engineering organized industrial visit to M/s ITC Food Division, Malur for the benefit of seventh semester Chemical Engineering students. Dr. Sainath K Associate Professor, Smt.Shabnam Siddiqui and Dr. Sanjay Kumar, Assistant Professors in the department accompanied the students.



The Department of Mechanical Engineering organized a talk on 'Global Overseas Education' for fifth semester students. The session was conducted by Texas Review under the banner of the Mechanical Engineering Association (MEA), providing students, valuable insights into international higher education opportunities.

Dr.Vandana M., Assistant Professor, Department of Physics co-authored & published a research paper titled, 'Harnessing Biomass into Advanced Carbon Materials for Dye Degradation' in Environmental Chemistry and Safety,



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Q1 Journal with the impact factor, e-ISSN 2097-5740 Vol. 1, Page No: 9600017

DOI: [10.26599/ECS.2025.9600017](https://doi.org/10.26599/ECS.2025.9600017)

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

- Dr. Rajeshwari Hegde, Professor, Department of Electronics & Telecommunication Engineering and Dean (Student Affairs) was invited to deliver a talk at KSIT for the first year students during induction program.



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

- One week induction programme for first year UG students of Academic year 2025-26 was organised during September 8<sup>th</sup>-13<sup>th</sup>, 2025. The induction program aimed to familiarize the first year UG students with their concerned department, support services, curriculum and were introduced to various student clubs and other facilities in the college.

Personality development sessions were also conducted.



- The BMSCE Badminton Men's and Women's Teams participated in VTU Inter-Collegiate Bengaluru Central Division Badminton Tournament 2025 organized at Cambridge Institute of Technology, Bengaluru, on 8<sup>th</sup> & 9<sup>th</sup> September 2025. Both the Men's and Women's Teams secured the Runners-Up position. Further, at the VTU State Level Badminton Championship 2025-26, organised at PESCE, Mandya, on 11<sup>th</sup> & 12<sup>th</sup> September 2025, the BMSCE Men's Team secured Runners-Up position and the Women's Team



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achieved the 2<sup>nd</sup> Runners-Up position.



during September 9<sup>th</sup>-11<sup>th</sup>, 2025. The workshop was conducted by Sri.Anil K. Ghaste, Founder and Technical Director, Engg., & Academic Solutions, AUTODESK. The training aimed to introduce students to the latest design and drafting techniques widely used in the industry through commercial CAD software and equipping them with skills essential for modern mechanical engineering practice and industrial applications. Students gained practical exposure to Autodesk Fusion 360, AutoCAD Mechanical and Inventor, learning how to model complex mechanical components and assemblies with precision.

#### September 9<sup>th</sup>, 2025

- Dr.Malini S., Assistant Professor, Department of Chemistry delivered a talk titled, 'Your Campus, Your Canvas: Design the Life You Want' for the first year engineering students on the occasion of the induction programme at K.S. Institute of Technology.



- The Department of Mechanical Engineering under the Mechanical Engineering Association (MEA), organized three days hands-on training on Autodesk Fusion CAD software for fifth semester students

#### September 10<sup>th</sup>, 2025

- Dr.G.Giridhara, Professor, Department of Mechanical Engineering was invited to Chair the



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Critical Design Review (CDR) meeting on Lube Oil Filter Development for the Kaveri Derivative Engine (KDE) at Gas Turbine Research Establishment (GTRE), Bengaluru.

structural grade Al6061 MMCs' in the journal, 'Fracture and Structural Integrity' with the impact factor of 1.5 and with the journal quartile Q2-SCOPUS and Q3-WoS.

✚ Dr.Manjunatha S.O., Assistant Professor, Dept. of Physics co-authored & published a research paper titled , 'Structural and Magnetic Modulations in  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> Ceramic Nanoparticles: A Multifaceted Study with DFT Calculations', Ceramics International (2025) (In Press) with impact factor 5.2, SJR: Q1, ISSN 0272-8842 (print) 1873-3956 (Electronic)  
[DOI: https://doi.org/10.1016/j.ceramint.2025.05.073](https://doi.org/10.1016/j.ceramint.2025.05.073)

✚ Dr.Kalyan Raj, Professor of Chemistry, chaired a session in the National Conference on 'Artificial Intelligence(AI)-A Multidisciplinary approach in Research (AIMAR-2025)' organized at Vijaya College, Bengaluru during September 12-13, 2025.



✚ Dr. K E Ganesh, Associate Professor, Dept. of Physics completed Global Online Certificate Course: 'Environment data, maps and GIS (Geographic Information System) for communication in 21<sup>st</sup> century'.

#### September 11<sup>th</sup>, 2025

✚ Dr. Ravikumar M., Assistant Professor, Department of Mechanical Engineering co-authored and published a research article on 'Studies on mechanical, fractured surface, wear and thermal characteristics of TiC reinforced

✚ Dr.Manjunatha S.O., Assistant Professor, Dept. of Physics co-authored & published a research paper titled , 'A multifunctional CuO/Mn<sub>3</sub>O<sub>4</sub>/MWCNT electrocatalyst: Toward efficient HER and OER via metal oxide-carbon synergy Amultifunctional CuO/Mn<sub>3</sub>O<sub>4</sub>/ MWCNT electrocatalyst: Toward efficient HER and OER via metaloxide-carbon synergy', in 'International Journal of Hydrogen Energy', Volume179 (2025) 151760



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✚ Dr. B Kanmani, Professor, Department of Electronics & Telecommunication Engg., was invited to conduct one day workshop on 'Outcomes Based Education', organized for faculty from Government Arts and Science Colleges, together with virtual participation from eight regions of the State; organized jointly by Directorate of Collegiate Education and Tamil Nadu Council for Higher Education (TANSCHÉ) at Lady Willingdon College Campus, Kamarajar Salai, Chennai.



✚ Dr. B Kanmani, Professor, Department of Electronics & Telecommunication Engg., was invited to conduct one day Workshop on, 'Outcomes Based Education', organized for faculty of Government Engineering Colleges, together with virtual participation from eleven colleges of the State; jointly by Directorate of Technical Education and Tamil Nadu Council for Higher Education (TANSCHÉ) at Lady Willingdon College Campus, Kamarajar Salai, Chennai.



✚ Dr. Manjunatha S.O., Assistant Professor, Dept. of Physics co-authored and published a research paper titled, 'Reduced Graphene Oxide (rGO) Doped Copper-Zinc (Cu-Zn) Nanocomposite Ferrites as an Efficient Material for High-Performance Thermoelectric Applications', Journal of Inorganic and Organometallic Polymers and Materials (2025) (In Press) with impact factor 4.9, SJR: Q2, ISSN 0272-8842 (print) 1873-3956 (Electronic)  
DOI: <https://doi.org/10.1007/s10904-025-03679-7>

✚ Dr. Latha Kumari, Associate Professor, Dr. Karthik Kumara, Dr. Sharanappa Chapi, Dr.H.S. Sumantha, Assistant Professors, Department of Physics attended Faculty Development Programme on QT-06 Quantam Computation from August 18<sup>th</sup> to September 11<sup>th</sup>, 2025 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,



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IIITDM Jabalpur, NIT Warangal, funded by MeitY and endorsed by DST - NQM / AICTE / UGC.

➤ Heart-brain Interface for the Holistic Development of Students - A Heartfulness Approach .

✚ Smt. Sunitha T, Assistant Professor in the Department of Computer Applications co-authored & published a research paper titled, 'SafeHadoop: Reinventing Data Security for Distributed Environments' in the Tanz Journal, Volume 20, Issue 09, 2025.

✚ Dr.Shivashankar R. Srivatsa, Assistant Professor, Department of Mechanical Engineering participated in the External Audit as a member of the IQAC External Audit Peer Team at Mangalore Institute of Technology & Engineering, Moodabidri during Sept.12-13, 2025.

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

✚ Dr. Rajeshwari Hegde, Professor, Department of Electronics and Telecommunication Engineering co-authored the following papers presented in the International Conference (Multilingual), 'An Indian Knowledge System: A Roadmap to Viksit Bharat 2047'

- Integrating Heartfulness Practices in Energy conscious Architecture- An Indian Knowledge System Perspective.
- The Impact of Heartfulness Practice on Education and Stress from the perspective of the Indian Knowledge System.
- A Consciousness-Based Operating System for Human Excellence: Insights from the Bhagavad Gita, Ashtavakra Gita and Heartfulness

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

✚ Mr. Mustafa Attar, Research Scholar, Dept. of Physics successfully completed the first Hands-on Training Program on Density Functional Theory Computations of Advanced Materials (DFT-Advanced) conducted by the Centre for Advanced Computational Research, New Delhi.

✚ The Fury Road Workshop, organized by ELSOC, Dept. of ECE during September 13<sup>th</sup>-14<sup>th</sup>, 2025, offered participants an exciting dive into the world of autonomous robotics. With eight teams participating, the sessions covered IR sensors, motor drivers and Arduino programming for path-following and obstacle detection. Simulation tools helped participants visualize and test their



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circuits before hands-on implementation. On the second day, teams built and programmed their own robots, gaining real-world technical experience. The workshop fostered creativity, collaboration and problem-solving, setting the stage for the thrilling Fury Road challenge ahead.

- ✚ The Robo Wars Workshop, hosted by ELSOC, Department of E&C during September 13-14, 2025 was an action-packed learning experience to the participants. With nine enthusiastic teams, the workshop introduced participants to NodeMCU, motor drivers and Wi-Fi-based robotic control, blending theory with real-world application. Day 1 focused on robotics fundamentals and TinkerCAD simulations, while Day 2 brought ideas to life through hands-on robot building and programming. The session fueled innovation, teamwork and creativity among budding engineers. It was the perfect prelude to the high-voltage Robo Wars challenge ahead.

#### September 14<sup>th</sup>, 2025

- ✚ Inaugural Function of the First Year Engineering Programme of the Academic year 2025-26 was organised. Lt.Cdr(Retd) Dr.Pavan Kumar Yoganarasimha, Group Director, CWG,LRD, DRDO was the

Chief Guest. The first year UG students along with their parents attended the program.



During the Inaugural program, the Alumni Association felicitated and distributed scholarships to the toppers, recognizing their academic excellence and motivating new students to strive for success.



#### September 15<sup>th</sup>, 2025

- ✚ Dr. Karthik Kumara, Assistant Professor, Department of Physics co-authored & published a research paper titled, 'Structural investigation and computational



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insight of binary molecular salt crystals of gallic acid with 2-aminopyridine and 3-aminopyridine' in Journal of Molecular Structure, Impact factor - 4.7, Q2 journal, 15 September 2025, 1350, 144026. <https://doi.org/10.1016/j.jmolstruc.2025.144026>

✚ Dr. Mamatha M N, Professor, Department of Electronics and Communication Engineering was invited as resource person to deliver a lecture on 'Introduction to Biomedical Data Acquisition – an outcome based multidisciplinary approach' as a part of Faculty Development Program organised by the Centre of Excellence in Signal and Information Processing, VTU, Muddenahalli Campus during September 15<sup>th</sup>-19<sup>th</sup> 2025.



#### September 16<sup>th</sup>, 2025

✚ Dr. Vijayalakshmi K., Professor, Department of Electronics and Communication Engineering was invited as resource person to deliver a talk on 'EEG Signal Processing - A Matlab Based Analysis' as a part of Faculty Development Program organised by the Centre of Excellence in Signal and Information Processing, VTU, Muddenahalli campus during September 15<sup>th</sup>-19<sup>th</sup>, 2025.



#### September 17<sup>th</sup>, 2025

✚ Dr. Kalyan Raj, Professor, Department of Chemistry was invited as Distinguished Session Chair for the Chemical Sciences track,



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International Conference on Frontiers of Unified Science & Exploration (INFUSE 2025) organised at Jain University, Bengaluru during September 17-18, 2025.



Department of EEE in association with Dept. of Bio Technology conducted Hands-on workshop on 'Bioenzyme' as a Pre-Phase Shift event for third semester students. Smt.Preeti Rao, Founder Director, Bioenzymes was the resource person.



Dr. Prema V., Associate Professor, Dept. of EEE was invited as the Resource Person for the ANRF sponsored National Seminar on 'Research Potential in Power Electronics Converters for Renewable Energy' on the topic, 'Advancements in Power Electronics with Wide Bank Gap Device' organised at The New Horizon College of Engineering, Bangalore.



Dr.S.Uma, Professor and Head, Department of Computer Applications was invited as the Session Chair for the Mathematical and Data Sciences track at the International Conference on Frontiers of Unified Science and Exploration (INFUSE) organized by JAIN (Deemed-to-be University).





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#### September 18<sup>th</sup>, 2025

- Dr.A. Satya Nandini, Professor, department of Management Studies and Research Centre was invited as resource person for the FDP on 'Mastering case writing: Business stories that teach' organised at Sapthagiri NPS University, Bangalore.



- Dr.Latha Kumari, Associate Professor, Department of Physics published a research paper titled, 'Influence of calcination temperature on the structural evolution and optical properties of CoSb<sub>2</sub>O<sub>6</sub> nanomaterials synthesized by solvothermal method' in Applied Physics A, Q2 Journal with Impact Factor 2.8, Vol.131, Article No: 789. DOI: <https://doi.org/10.1007/s00339-025-08940-x>

- Dr.B.Sudarshan, Assistant Professor, Department of Mechanical Engineering has been selected as an Editorial Board member of *Scientific Reports*, a prestigious journal published by Springer Nature.

#### September 19<sup>th</sup>, 2025

- Department of Electronics and Communication Engineering organised a Scientific Social Responsibility (SSR) Event on 'Development of a Polymer Nanocomposites-Based Rapid Malaria Sensing Device' funded by SERB (SPG/2021/002668). Forty students and two faculty members from BMS College for Women attended the event. Dr. Jisha P, Assistant Professor, Dept., of ECE coordinated the event.



- The Annual Technical Symposium, PHASE SHIFT 2025 with the theme, 'Meridian- #Sustainably Yours' was organised during Sept.19-20, 2025. Col.H.S.Shankar(Retd), Chairman, Alpha Design Technologies & distinguished alumnus of the college and Sri.Vishal Gautam, VP of Engineering & Site Managing Director, Zscaler were the Chief Guests for the inaugural function. Smt.Preeti Rao, President, Bioenzyme Entrepreneurs Academy of India was the Guest of Honour.



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The symposium attracted more than 1000 students from other institutions and 5000 students of the college. More than fifty industries participated in the event. Around 110 competitions and 40 workshops were conducted across the departments and the Research projects were exhibited. The events organised during PHASE SHIFT 2025 included:

A Memorandum of Understanding (MoU) was signed between Dept of Civil Engineering of the college and Road Vision AI Private Limited, New Delhi to foster key objectives of Training Students in Live Projects, Joint Research Initiatives, Knowledge Sharing Webinar, Co-development of Solutions, Knowledge Exchange and Capacity Building enhancing Industry-Academia Partnership. Dr. Jaya R Shinganmakki, Professor and Sri. Chiranth Bore, Assistant Professor in the department coordinated the event.



Dept. of EEE in collaboration with IEEE SSIT Bangalore chapter organised the

GREENOVATE IDEATHON & Young Professionals' Meet.



Project Exhibition was organised during Phase Shift. The students of Department of Machine Learning(AIML) secured first place in Project Stalls category. The students of EEE secured Second Runners-up position .





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ELSOC, Department of Electronics and Communication Engineering organised an event, 'Sustainovate'. The event focused on the integration of Society, Economy, and Technology (SET) with real-world problem-solving, encouraging students to ideate around challenges such as urban infrastructure improvement (e.g., fixing potholes in Bengaluru).



Department of Electronics and Instrumentation organised four technical events.



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The department of Computer Applications organised the events, 'Aetherium: The Treasure Protocol', an unique tech-based treasure hunt; Code-based competition titled, 'Phantom Quest : Unravel the phantom , conquer the quest'; 'Cloud Garage – Workshop on AWS and Cloud Computing' a two-day technical workshop and a two-day workshop on Robotic Process Automation (RPA), conducted in association with UiPath during Phase Shift.



The Department of Mechanical Engineering organized the 'Autodesk Design League' as part of Phase Shift 2025, targeting Mechanical Engineering students from BMSCE and other institutes. The competition aimed to foster creativity, innovation and practical engineering skills among budding mechanical and design engineers.





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

✚ Dr.Kalyan Raj, Professor, Dr.Malini S., Assistant Professor, Dept. of Chemistry and Dr.Abhishek Appaji, Associate Professor, Department of Medical Electronics published a paper titled, Data-driven analysis of photocatalytic degradation of pararosaniline using green synthesized SrO nanoparticles (<https://doi.org/10.1016/j.dib.2025.112096>) in Web of science indexed Q3 Journal : Data in Brief-elsevier. (Impact factor 2.4) 20/9/2025

✚ Dr. M. Dakshayini, Professor & HOD, Machine Learning conducted session on OBE process for newly recruited Faculty members of the department.



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

✚ Dr. Monika P, Associate Professor, Dept of Machine Learning conducted Proctoring orientation for newly

recruited faculty members of the department.



✚ Dr.Murugendrappa M V, Associate Professor, Department of Physics published a research paper titled, 'Multifunctional Sm<sup>3+</sup> doped LiAlSiO<sub>4</sub> nanoparticles for efficient photocatalytic water treatment and high-frequency dielectric applications' in Elsevier Journal: Inorganic Chemistry Communications, Q1 journal with impact factor 5.4, <https://doi.org/10.1016/j.inoche.2025.115551>

✚ The BMSCE Table Tennis Women's Team secured the Winners title in both VTU Inter-Collegiate Bengaluru Central Division and the VTU State-Level Table Tennis Championship 2025-26 and the Men's Team secured the Winners title in the VTU Inter-Collegiate Bengaluru



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Central Division & 3<sup>rd</sup> Runners-Up position in the VTU State-Level Table Tennis Championship 2025-26, organized at the college during September 16<sup>th</sup>, 22<sup>nd</sup> & 23<sup>rd</sup> 2025.



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

Smt. Pushpa T. S., and Sri. R. V. Raghavendra Rao, Assistant Professors in the Department of Computer Applications were invited as jury members for the Project Exhibition event at “TECH-ARENA: Battle of Young Innovators”, an Inter-Collegiate IT Fest

organized at B.M.S. College for Women.



Department of Electronics and Communication Engineering signed Memorandum of Understanding with Xtremesilica Pvt. Ltd., to promote Industry-Academia collaboration in the field of Semiconductor IP Core Development and Capacity Building Activities.



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

Teachers' Day was organised at the college in association with BMSCA & BMSC. Prof. S. Sadagopan, Founding



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Director, IIIT, B'lore was the Chief Guest.



Championships in the Women's and Men's categories, respectively.

In the medal tally, the Men's Team won a total of 7 Gold, 13 Silver and 7 Bronze medals, while the Women's Team secured 14 Gold and 2 Silver medals.

Additionally, the BMSCE Swimming Men's Relay Team secured Silver Medals in both the 4 × 100 m Freestyle Relay and 4 × 100 m Medley Relay events.



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

✚ A three day training Course on 'ArcGIS Pro: Essential Workflows' was conducted at the college upon procuring 'ArcGIS software' by Dept. of Civil Engg. Dr.Reshmi Devi, Dr. Prathima, Dr.Dheeraj Kumar and Dr. Jaya R. Shinganmakki, faculty members in the department of Civil Engineering attended the training program .

✚ The BMSCE Swimming Women's Team secured the Winners title, while the Men's Team emerged as Runners-up, and BMSCE won the Overall Championship at the VTU State-Level Swimming Championship 2025–26. The championship was organized by M. S. Ramaiah Institute of Technology (MSRIT), Bengaluru at Basavanagudi Aquatic Centre, Bengaluru. Ms. Shirin, first Semester student, CSE and Mr.Shivank Vishwanath, fifth Semester student, ECE won the Individual

✚ Dr. K.L.Nagashree, Head, Department of Chemistry was invited as Guest Speaker to Maharani Lakshmi Ammani College Department of Biochemistry, as a part of hands-on two day workshop titled, 'Green synthesis-Characterization and applications of metal nanoparticles'.





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- The Placement Club of the Department of Computer Applications organized an interactive session for third semester students in the department to enhance their communication and reasoning abilities. The session began with a project presentation activity, followed by a logical reasoning activity and also an interactive Python problem-solving session on LeetCode.



- Paper titled, 'Synthesis, Characterization and Magnetic Properties of Multifunctional Ni<sub>50</sub>Mn<sub>37</sub>Sn<sub>13-x</sub>Sb<sub>x</sub> ( $1 \leq x \leq 3$ ) Heusler alloys' presented in 4<sup>th</sup> International Conference on Materials Science & Engineering (ICMSE 2025) by Dr. H. R. Prakash, Dr. Ram Rohit V, Associate Professors, Department of

Mechanical Engineering et.al., has been published. IOP Conf. Series: Materials Science and Engineering 1334 (2025) 012014 IOP Publishing, doi:10.1088/1757-899X/1334/1/012014

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

- Dr. Vijayalakshmi K., Professor, Department of Electronics and Communication Engineering was 'Organizing Chair' for the IEEE International Conference for Women in Innovation Technology and Entrepreneurship (ICWITE 2025) organised at BGS College of Engineering, Bangalore during September 26<sup>th</sup>-27<sup>th</sup>, 2025.



- ACM ROCS, organized by the BMSCE ACM Student Chapter during September 26<sup>th</sup> & 27<sup>th</sup>, 2025 aimed at bridging the gap between academic research and industry innovation. Featuring nine distinguished speakers from IISc Bangalore, IBM, TCS and Google, the event offered insights into emerging fields such as artificial intelligence, data



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systems, machine learning and advanced computing technologies. Through interactive sessions and discussions, students gained exposure to real-world research practices and were encouraged to pursue research-oriented and innovation-driven careers. With active participation from various departments, ACM ROCS proved to be a significant platform for fostering research awareness and strengthening collaboration between academia and industry.



✚ Mr.Arya Vishwanath, Research scholar, Department of Physics attended National Seminar on Crystallography organized by Pondicherry University.

✚ Dr.Vandana M, Assistant Professor, Department of Physics co-authored and published a research paper titled, 'Porous Carbon Nanospheres derived from Caesalpinia Sappan Pods as Novel Antibacterial Agents' in ChemNanoMat (Wiley), Q2 Journal with Impact Factor

2.6, Vol. 10, Page No: 1002. DOI: <https://doi.org/10.1002/cnma.202500204> ISSN: 2199-692X

✚ Dr. Murugendrappa M V, Associate Professor, Dr. Sharanappa Chapi, Assistant Professor, Ms.Jyothi A Goudar and Mr.S N Thrinethra, Research Scholars, Department of Physics co-authored & published a research paper titled, 'Temperature-dependent electrical conductivity and dielectric response of Co-doped  $MnFe_2O_4$  spinel ferrite' in Springer: International Journal of Ionics, Q3 journal with impact factor 2.6, <https://doi.org/10.1007/s11581-025-06699-y>

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

✚ Dr. M. Dakshayini, Professor & HOD, Machine Learning (AIML) participated in the meeting organised at Vemana Institute of Technology as DAC member.





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

Autonomous Institute, Affiliated to VTU

### REPORT ON COLLEGE ACTIVITIES – SEPTEMBER 2025

- Dr. Prema V, Associate Professor, Dept. of EEE was invited as the Chief Guest and a jury member for IDEATHON evaluation during the 'Student Congress' organised at Dayananda Sagar College of Engineering, Bangalore.



- Smt. Chaitanya L, Assistant Professor, Dept. of EEE was invited as a jury member for IDEATHON evaluation during the 'Student Congress' organised at Dayananda Sagar College of Engineering, Bangalore.



#### September 29<sup>th</sup>, 2025

- Dr. Sainath K, Associate Professor in the Department of Chemical Engineering completed three credit course, 'Python for Data Science' offered by IIT-Madras in Swayam during July to August 2025 with a consolidated score of 72%.

- The Department of Electronics and Instrumentation Engineering organised a technical talk on 'Process Control in Industry', by Sri. Prakash C.S., Regional Technical Support Manager at ABB, Senior Life Member, and former President of ISAB. An overview of key technical domains within process control along with the essential skill requirements was presented during the session. Around forty students participated in the event.





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

Autonomous Institute, Affiliated to VTU

**REPORT ON COLLEGE ACTIVITIES – SEPTEMBER 2025**

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

✚ Dr. Veena M.B., Professor, Department of Electronics and Communication Engineering and Mr.V.ShivaKumar, Ph.D. scholar from CPRI co-authored & published a paper titled, 'Cybersecurity Threat Modelling for Electric Power System SCADA Control Centers and Substation Automation Systems' in SSRG International Journal of Electrical and Electronics Engineering Volume 12, Issue 9, 49-65,  
ISSN: 2348-8379/ <https://doi.org/10.14445/23488379/IJEEE-V12I9P106> (Scopus Indexed)

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