



B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

REPORT ON COLLEGE ACTIVITIES – OCTOBER 2024

October 1st, 2024

The NSS unit of the college in collaboration with BBMP, organized a Cleanathon around Gavipuram Temple premises as part of the 'Swachhata Hi Seva' campaign during Gandhi Jayanthi celebrations. Volunteers actively participated in cleaning activities. A pledge was taken to uphold the principles of cleanliness and civic responsibility.



October 3rd, 2024

Smt. Shabnam Siddiqui, Assistant Professor in the department of Chemical Engineering conducted one-day skill development training in 3D printing technology for women at Cambridge

Institute of Technology, Bengaluru, in association with AMSI, EOS, and Additive Learning. The basic training was organized by the IW3DP-BMSCE student chapter and thirty female students participated in the training.



The Department of Computer Science & Engineering in association with <CodeIO/> conducted a workshop on 'Resume Building' for UG students. The event was designed to provide participants with practical insights, tools and techniques for developing effective resumes that showcase their skills and experience. Sri. Sarthak Goyal, Security Architect II at Akamai Technologies was the resource person for the workshop.





B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

REPORT ON COLLEGE ACTIVITIES – OCTOBER 2024

October 4th, 2024

- Dr. Sandeep Varma, Associate Professor, Department of Machine Learning(AIML) & Chapter advisor, BMS IEEE CS and Dr.Seemanthini K., Associate Professor, Department of Machine Learning(AIML) & ACM Faculty Sponsor organized a workshop on 'IPR and Patents in Technology' under professional body activities.



- The Competitive Examination and Higher Study Cell (CEHSC) of the college organized an outreach program on GATE-JAM 2025. The resource persons were Research Scholars from IISc. The event was arranged and coordinated by Dr.S.B.Bhanu Prashanth, Chief Coordinator, CEHSC and Dr.Vani A., Assistant Professor, Department of Medical Electronics Engineering.



- The new First Year Classroom block at APS Trust Building was inaugurated by our beloved Donor Trustee & Chairperson, BMSET, Dr.B.S.Ragini Narayan.



- The Department of CSE organized a Seminar on Higher Education Opportunities abroad for the fifth semester students. The Seminar was conducted by GradStar Global Education.





B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

REPORT ON COLLEGE ACTIVITIES – OCTOBER 2024

- EEE Association of department of Electrical and Electronics Engg., organised an expert talk on 'Application of Patent Law to Technology' by Sri.S.Sridhar, Chief Operating Officer, GRAPHEME Labs for seventh semester students.



- BPL Healthcare division delegates visited the department of Medical Electronics and interacted with fifth semester students. The delegates briefed the students about BPL METS training program & internship placement opportunities.



- Smt. Sandhya A Kulkarni, Assistant Professor in the department of Computer Science & Engineering successfully completed NPTEL AICTE Faculty Development Program (8 weeks course) on 'Research Methodology'.

- Dr.S.B. Bhanu Prashanth, Professor in Medical Electronics chaired a session in the 5th International Conference on Circuits, Control, Communication and Computing (I4C-2024) organised at Ramaiah Institute of Technology, Bengaluru.



- Mr.Sudhamshu G, Ms.Jithaksha Sai Prakash, Mr.Savithru G and Mr.Sudarshana C Poojary, students in the department of Electronics & Telecommunication Engg., under the guidance of Dr.C.Gururaj, Associate Professor, ETE published a paper titled, 'Integrated Online Localization and Navigation device with Voice Assistive and Vision Sensing for the Visually Impaired' in 5th IEEE Global Conference for Advancement in



B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

REPORT ON COLLEGE ACTIVITIES – OCTOBER 2024

Technology (GCAT – 2024) organised during October 4th – 6th, 2024, pp 1-6, Bengaluru.

✚ Dr.B Kanmani, Professor in the department of Electronics & Telecommunication Engg., published a Book chapter titled, 'Pedagogy Improvements after the International Engineering Educator Certification Program', in Book Creative Approaches to Technology-Enhanced Learning for the Workplace and Higher Education; TLIC 2024. Lecture Notes in Networks and Systems, vol 1150. Springer, Cham. DOI: [10.1007/978-3-031-72430-5_5](https://doi.org/10.1007/978-3-031-72430-5_5)

✚ Department of Civil Engineering in association with Indian Water Works Association (IWWA) Student Chapter, organised a Guest Lecture on '*Application of Remote Sensing in Agriculture and Water Resources*' by Dr.Sat Kumar Tomer, CEO/Co-Founder of Satyukt Analytics.



✚ Dr. Veena N Hegde, Professor in the department of Electronics & Instrumentation Engineering was invited as Jury member for the Edge AI Innovation Challenge 2024 organized by DigiToad Technologies in collaboration with STMicroelectronics.

✚ Dr.Preethi K Mane, Associate Professor, Smt.S.Kumuda, Sri.Krishna Murthy K.T & Sri.Kumar D, Assistant Professors in the Department of Electronics and Instrumentation Engineering published patent titled, 'NOVEL SYSTEM, METHOD, DESIGN AND DEVELOPMENT OF FEVER DETECTION USING TONGUE IMAGES'.

✚ Fluid Power Society of India in association with the Department of Mechanical Engineering organised National Fluid Power R & D Confluence (FPRD-2024) on 4th October 2024 followed by the National Level Fluid Power Challenge (FPC) for students on 5th October 2024. Dr. S. Karunanidhi, outstanding Scientist and former Associate Director, Research Centre Imarath (RCI), DRDO, Hyderabad was the Chief Guest for the Programme. Sri.Sheshanath, MD, CEO, Walvoli Fluid Power, Sri. Hemanthkumar, President, FPSI, Dr.Bheemsha Arya,



B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

REPORT ON COLLEGE ACTIVITIES – OCTOBER 2024

Principal, BMSCE, Sri. Naresh Hanji, Secretary, FPSI and Dr. G. Giridhara, Prof. & Head, Department of Mechanical Engineering, BMSCE graced the inaugural function. Around 50 teams participated in Fluid Power Challenge (FPC-2024) and 15 papers were presented in Fluid Power R&D Confluence (FPRD - 2024).



- ✚ Sri. Shashiraj, Sri. Narahari N., Dr. Shivashankar R. Srivatsa and Dr. Sangamesh C. Godi, Assistant Professors in the Department of Mechanical Engineering co-authored and published an article on 'Exploring the potential application of technology for revitalizing traditional performance arts: Costume and musical elements in Yakshagana' in Arts & Communication, Accscience

Publishing.India Volume X Issue X (2024), doi: 10.36922/ac.3052

October 5th, 2024

- ✚ Dr. Murugendrappa M V, Associate Professor, Department of Physics co-authored and published a research paper titled, 'Temperature-dependent dielectric measurements of polypyrrole / zinc cobalt oxide nanocomposites by impedance spectroscopy' in Elsevier: Journal of Alloys and Compounds, Q1 journal with impact factor 5.8, <https://doi.org/10.1016/j.jallcom.2024.176894>

- ✚ Department of Electrical and Electronics Engg., in association with EEE Association, organised one day hands-on workshop on MATLAB/Simulink for fifth semester students. Smt. Soniya Agrawal and Dr. Venkata Madhava Ram Tatabhatla, Assistant Professors in the department handled the sessions.





B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

REPORT ON COLLEGE ACTIVITIES – OCTOBER 2024

✚ Dr. G. Poornima, Associate Professor, Department of Electronics and Communication Engineering was invited as an Expert Speaker for One-week FDP and Workshop on the topic, 'Ethical and Responsible AI: Challenges and Opportunities' organised by AMIEE and Coimbatore Institute Of Technology during October 1st – 5th, 2024. The session was conducted through online mode.

✚ Our student team consisting of 25 members participated in the SUPRA SAEINDIA 2024 competition organised at Buddh International Circuit, NOIDA during October 1st-5th,2024. Faculty coordinators were Dr.K.J.Rathanraj, Professor,IEM & Sri.Rajesh P., Assistant Professor, Mech. Engg

- Overall Standing: Our student team stood at 4th amongst 52 registered teams.
- Ms.Aaradhya Malik in the team bagged best woman participant prize.



✚ Sri.Shashiraj, Assistant Professor, Department of Mechanical Engineering conducted a 32-hour value-added course on 'Finite Element Analysis using ANSYS' to the final-year Robotics and Automation Engineering students at the NMAM Institute of Technology in Nitte, Mangalore during weekends from 14th Sept. to 5th Oct.2024.

✚ The college men's KHO-KHO team were the winners in the VTU Bengaluru Central Division KHO-KHO tournament 2024-25 organized at BMSCE, Bengaluru.



✚ Indian Concrete Institute (ICI) and BMSCE ICI student chapter, Dept of Civil Engineering organised lecture by



B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

REPORT ON COLLEGE ACTIVITIES – OCTOBER 2024

eminent speakers, Er. B N Ramakrishna Director, ISTRAC, ISRO Bengaluru and Dr. I. Venugopal Retd. Scientist, Dept. of space, ISRO Bengaluru .

October 8th, 2024

- Department of Civil Engineering in association with CEHSC organised an Orientation lecture on 'Career Opportunities after the Graduation' by Ms. Vijayalakshmi Venugopalan, T.I.M.E., Bangalore for the benefit of seventh semester students in the department.



October 9th, 2024

- Prof. William Clark, Purdue university, USA visited the department of Chemical Engineering to interact with the final year students to sensitize them for the higher studies in USA.



October 10th, 2024

- Dr. Chetan A Nayak, Professor and Dr. Shivakumar R, Associate Professor in the Department of Chemical Engineering published a paper titled, 'A review of sensor-based E-health monitoring devices', in the Journal Periodico di Mineralogia, Edizioni Nuova Cultura, Volume 93, No. 5, PP: 347-368, a Q3 paper WOS indexed [DOI: 10.5281/zenodo.13912084]. ISSN: 0369-8963.

October 14th, 2024

- The department of Medical Electronics organised a seminar titled, 'Importance of Abroad Education: Selecting the Right Course and Country' by Mrs. Soujatha Saravanane, Manager at Texas Review. The seminar provided students with valuable insights into the essential aspects of planning their higher education journey abroad.



- Dr. Murugendrappa M V, Associate Professor, Department of Physics was invited as an external expert to conduct



B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

REPORT ON COLLEGE ACTIVITIES – OCTOBER 2024

the Academic and Administrative Audit for 2023-24 at Department of Physics, Siddaganga Institute of Technology, Tumakuru.



- Dr. Vandana M, Assistant Professor, Department of Physics co-authored and published a research paper titled, 'Zinc Oxide/Tin Oxide Nanoflower-Based Asymmetric Supercapacitors for Enhanced Energy Storage Devices' in Journal of RSC Advances, Q2 journal with impact factor 3.9, Vol. 14 Page NO: 32314 ISSN: 2046-2069 DOI: 10.1039/d4ra05340k

October 15th, 2024

- NSS volunteers, Ms.Dhanushree M and Ms.S.R. Kruthika from the Department of Biotechnology represented the institution at the State Level Pre-RD Camp held at SDM College of Ayurveda, Hassan during October 15th -16th,2024.



October 16th, 2024

- The department of EEE organised one day training program on 'Mitsubishi's DIPIPM Solution for Power Electronics applications' for the faculty members in the department. Sri.Sourabh, Field Application Engineer, Mitsubishi Electric India Pvt. Ltd., was the resource person.



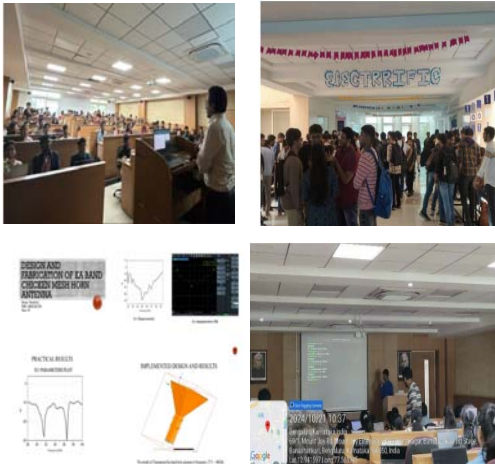


B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

REPORT ON COLLEGE ACTIVITIES – OCTOBER 2024

Department of Electronics and Communication Engineering conducted the 'ELSOC Week' during October 16th to 23rd, 2024 which provided platform for students to enhance their practical skills and knowledge in various aspects of the Electronics and Communication field in PCB designing, design thinking, antenna designing and signal processing. The event was inaugurated by Dr.Siddappaji, Professor and HOD. Dr.Archana H R, Assistant Professor in the department coordinated the events. The events such as Tech Talk Showdown, PCB Designing Workshop, Soundwave Safari, Electro Odyssey, Antenna Saga and Linux Workshop were conducted during the week.



Mrs. Priyadarshini Jainapur, Assistant Professor, Department of Electronics and Communication Engineering along with the students, Mr. Santosh Naidu and Ms.Srusti G S., published a research paper titled, 'Embedded Technology for

Soldier Health and Safety Monitoring' in the Journal of VLSI Design and Signal Processing.

October 17th, 2024

Valmiki Jayanthi celebration was organised in the college. The NSS unit of the college conducted an essay competition on the theme, 'Importance of Valmiki Ramayana in Modern Life' and an online quiz competition for the students on the occasion. The students enthusiastically participated in the said events.



October 18th, 2024

Dr.Sreelakshmi Diddi, Associate Professor in the Department of Chemical Engineering attended One week Faculty Development / Training Program on 'Process Optimization' organized by the Department of Chemical Engineering, UPL University of Sustainable Technology, Bharuch,



B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

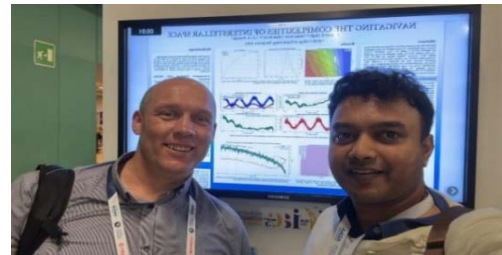
REPORT ON COLLEGE ACTIVITIES – OCTOBER 2024

Gujarat & IChE Student Chapter- SRICT during October 14th-18th, 2024.

- The Department of Computer Science & Engineering in association with <CodeIO/> conducted two day workshop on 'Robotic Process Automation' for UG students on 18th and 19th October 2024. Dr. Selva Kumar, Associate Professor in the department was the resource person.



with permission and released to the IAF to publish in all forms. IAC-24, A3, IP,238 x90456, IAC-24,C4,10-C3.5,1,x90230



October 19th, 2024

- Dr. Ram Rohit V, Assistant Professor, Department of Mechanical Engineering attended 75th International Astronautical Congress-MILAN 2024 and presented two papers titled, 'Navigating the Complexities of Interstellar Deep Space' and 'Optimizing Solar Sail Hybrid Systems for Interstellar Exploration' at International Astronautical Congress, Milan, Italy. Dr. Ram Rohit V, Dr. H. R. Prakash, Assistant Professors, Department of Mechanical Engineering along with students, Mr. Swapnil K Singh and Mr.Vineet Joshi co-authored the papers. Copyright ©2024 by 'Swapnil K Singh'. Published by the IAF,

- The Department of Computer Science & Engineering in association with IEEE Computer Society, Bangalore Chapter organized a 24-hour National Level Hackathon ML MATRIX- Building the Vision, One Matrix at a Time on account of Machine Learning Week. The event was conducted from 19th October, 2024 to 20th October, 2024 at the college. The event attracted participants from various disciplines, working in teams to tackle real-world machine learning problems. Teams showcased innovative solutions using advanced ML techniques. The event successfully fostered innovation and hands-on



B.M.S. COLLEGE OF ENGINEERING, BENGALURU

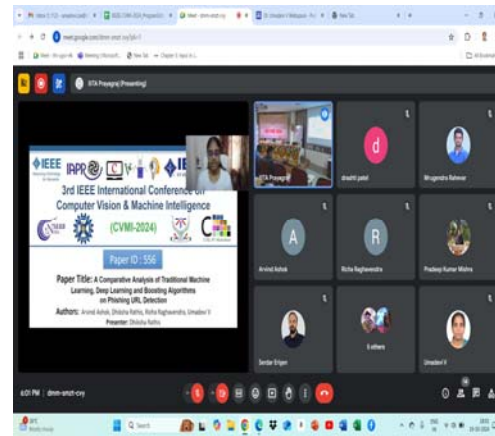
Autonomous Institute, Affiliated to VTU

REPORT ON COLLEGE ACTIVITIES – OCTOBER 2024

learning, providing a dynamic platform for students to enhance their skills in machine learning.



V., Professor, CSE, presented (online) a research paper titled, 'A Comparative Analysis of Traditional Machine Learning, Deep Learning and Boosting Algorithms on Phishing URL Detection' at the 3rd IEEE International Conference on Computer Vision & Machine Intelligence, organized by IIIT Allahabad .



✚ Dr. Rajanikanth K N, Associate Professor, Department of Electronics and Communication Engineering along with Mr. Nishchay D, Mr. Paras Vanajole, UG students in the department presented a paper titled, 'C-SADDLES: A Cyber Physical System Enabled Self Adaptable Drone Landing Pad for rapid Battery Charging of Small Unmanned Aerial Systems' at 1st IEEE International Conference on Software, Systems and Information Technology (SSITCON-2024) organized by Sri Siddhartha Institute of Technology, Tumkur and IEEE Bangalore Section.

✚ The Ph.D viva voce of Research Scholar, Mr. Shiva Raju G D on the topic, 'Formulation of Geopolymer Composites for Low Cost Housing' under the guidance of Dr. Asha K, Assistant Professor in the department of Civil Engineering was conducted.

✚ Mr.Arvind Ashok, Ms.Dhiksha Rathis and Ms.Richa Raghavendra, seventh semester students in the department of CSE under the guidance of Dr. Umadevi





B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

REPORT ON COLLEGE ACTIVITIES – OCTOBER 2024

✚ Symposium on 'Advances in Fluid Mechanics, Combustion and Heat Transfer' was organised by the Departments of Mechanical Engineering and Aerospace Engineering. Dr. T. N. Srinivasa, Registrar (Evaluation), VTU inaugurated the Symposium. Col(Hon) Dr. S. N. Sridhara, Vice Chancellor, Hindustan Institute of Technology and Science, Chennai, Dr. H.N. Narahari, Professor, MSRUS, Dr. Raghunandan, Retired Professor, IISc, Dr. Bheemsha, Principal, BMSCE, Dr. L. Ravikumar, Vice Principal(Aca), BMSCE graced the occasion.

Six technical sessions were scheduled during the Symposium. Domain Experts conducted the sessions throwing light on the current state-of-the-art developments in the domain of Fluid Mechanics, Combustion and Heat transfer.

Students from the departments of Mechanical and Aerospace Engineering participated in the Symposium. Few students from M.S. Ramaiah University (MSRUS) also participated in the event. Dr.Sudarshan B, Assistant Professor, Mechanical Engg., and Dr. Chethana, Assistant Professor, Aerospace Engineering coordinated the event.



October 21st, 2024

✚ Dr. Rajeshwari Hegde, Professor & Head, Department of Electronics and Telecommunication Engineering co-authored and published three papers titled, 'The Indian Knowledge System: Nurturing a well-rounded Youth', 'Yoga as a Sustainable Lifestyle for Social and



B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

REPORT ON COLLEGE ACTIVITIES – OCTOBER 2024

Ecological Harmony-A Heartfulness Perspective', 'Healing Architecture in Meditation Space' in the peer reviewed journal, Vidhyayana, an international multidisciplinary peer reviewed Journal (ISSN 2454-8596).

- ✚ Dr. D. N. Sujatha, Professor in the Department of Computer Applications was invited as the Guest of Honour for 'Cyber Security Week' organised at Vemana Institute of Technology, Bengaluru.



October 22nd, 2024

- ✚ Smt. S. Kumuda, Assistant Professor, Department of Electronics and Instrumentation co-authored & published a research paper titled, 'A Piezoresistive-Based Contact Lens for Non-invasive Intraocular Pressure Measurement', Journal of Sensing and Imaging, (2024).

- ✚ Dr.Seemanthini K., Associate Professor, Dr. Jahnvi S., Assistant Professor and Ms.Pranoti Patil, student representative

from the department of Machine Learning(AIML) participated in Engineering Next 2024 Event: Reimagining the World with AI organised at Infosys Main Campus, Bengaluru.



- ✚ Department of Medical Electronics organised a talk towards creating awareness among fifth semester students about higher education. Sri.Randhir Moola, Renowned Career Expert & Speaker with 15+ years of experience in Technology, Entrepreneurship and Business development who has won several company level and national awards was the resource person.





B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

REPORT ON COLLEGE ACTIVITIES – OCTOBER 2024

✚ The department of Aerospace Engineering organised a Guest Lecture on the topic, 'Human Values in Aviation Sector' by Air Cmde C B Shenoy, Managing Director, Saish GSE Pvt. Ltd., Bengaluru, Former Head of Faculty at AFTC (twice), Former Director, Chief Engineer in IAF, Principal Director Indigenisation, STPL, Bengaluru.

October 23rd, 2024

✚ Dr.C.Gururaj, Associate Professor in the department of ETE was invited as a Jury member for the Hackzee 2024 Hardware Design contest organised at PES University, Bengaluru.



✚ The Department of Electronics and Communication Engineering unveiled 'Tantrika Jnana Taranga' 3rd edition of annual magazine, celebrating the achievements, milestones and growth of the department over the past year. The magazine was unveiled by Dr. Siddappaji, Professor & HOD, ECE. The faculty coordinators, Dr. Jayanthi K Murthy, Dr. Akhila S, Sri. Eesha D, Sri. Suprith Kumar

K S, and student coordinators, Mr. Nikhi H Raju & his team graced the occasion.



October 24th, 2024

✚ Mr. Abrar, 5th semester student, EEE, Mr. Dileep, 5th semester student, IEM and Mr. Pranav, 3rd semester student, Aerospace Engineering under the guidance of Ms. Arpitha K V, Assistant Professor, Department of Aerospace Engineering had participated in EVOLVE 3D – Design for Tomorrow, a 3D Innovation Challenge organized in collaboration with the Additive Manufacturing Society of India (AMSI) and CMTI – Central Manufacturing Technology Institute as part of the 13th International Conference and Exhibition on 3D Printing and Additive Manufacturing Technologies – AM 2024, organised during October 24-25, 2024 and won first prize.

✚ Dr. Karthik Kumara, Assistant Professor, Dept. of Physics co-authored and published a research paper titled,



B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

REPORT ON COLLEGE ACTIVITIES – OCTOBER 2024

- 'Structural characterisation of a cyanomesogen by X-ray diffraction and computational methods' in Molecular Physics with impact factor 1.6, SJR: Q2, ISSN: 0026-8976 (print), 1362-3028 (web)
DOI: <https://doi.org/10.1080/00268976.2024.2407015>
- ✚ Mr. Rakshitha K M and Mr. Reethya Giridhar, seventh semester students of Chemical Engineering Department are bestowed with *Late Lakshmi Nandakumar Award of the Institute for best presentation in Schemcon 2024*. Students worked under the guidance of Dr. Sainath K, Assistant Professor, Department of Chemical Engineering, BMSCE.
- ✚ Dr. Harish K N, Assistant Professor, Department of Chemistry along with the faculty members from other institutions published a research paper titled, 'Single-walled carbon nanotubes hybrid carbon materials sensor for simultaneous detection of chloramphenicol and furazolidone in food samples' in Journal of Food Measurement and Characterization (Springer Publication) (2024). 24th October 2024. Q2 Journal. Impact factor: 3, ISSN: 2193-4126. DOI: <https://link.springer.com/article/10.1007/s11694-024-02921-z>
- ✚ The NAAC peer-team visited the institution during October 24th-25th, 2024. BMSCE has been awarded the prestigious NAAC (National Assessment and Accreditation Council) accreditation with CGPA of 3.56 on four point scale at the highest grade of A++ Grade in Cycle III Accreditation. With the institution achieving the highest grade in the third consecutive cycle of NAAC Accreditation, the validity of Cycle III Accreditation is for a period of seven years i.e., from 30.10.2024 to 29.10.2031.
- ✚ Sri. Shashiraj, Assistant Professor, Department of Mechanical Engineering co-authored and published a research article titled, 'Nonlinear buckling and free vibration analysis of auxetic graphene origami composite beams under nonuniform thermal environment' in MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES An International Journal ISSN: (Print) (Online) Journal homepage: www.tandfonline.com/journals/lmbd20
<https://doi.org/10.1080/15397734.2024.2415484>
- October 25th, 2024
- ✚ Dr. Latha Kumari, Associate Professor, Department of Physics published a research paper titled, 'Possible



B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

REPORT ON COLLEGE ACTIVITIES – OCTOBER 2024

reduction of lattice thermal conductivity in n-type $\text{CoSb}_{2.875}\text{Te}_{0.125}$ skutterudite originating from collaborative adjustment between Indium micro and $\alpha\text{-WC}$ nano inclusions' in Journal of Materials Science: Materials in Electronics in Volume 35, article number 1960, (2024) with impact factor 2.8, SJR: Q2, ISSN : 1573-482X Linking ISSN (ISSN-L): 0957-4522
<https://doi.org/10.1007/s10854-024-13713-y>

✚ Dr. Sreelakshmi Diddi, Associate Professor in the department of Chemical Engineering attended One Week Short Term Course on '*Recent Advances in Wastewater Treatment Techniques (RAWTT-2024)*' organised by the department of Chemical Engineering, NIT Srinagar, Jammu & Kashmir during October 21st - 25th, 2024.

✚ Dr.Chethana R., Assistant Professor, Department of Civil Engineering presented a paper on 'Development of a Multi-Criteria Decision Support System for Highway Management' and chaired a technical session at WCEAM – 18th World Congress on Engineering Asset Management, co-hosted by IIT Kanpur and conducted at New Delhi.

✚ A VR, AR technology based educational product developed by IXR labs, New

Delhi in collaboration with IIT, Kharagpur was demonstrated in the Department of Mechanical Engineering. Few products were demonstrated by the Mr. Abhyankar, Technical Executive, IXR Labs. Faculty members of the department of Mechanical Engineering attended the demonstration.



October 26th, 2024

✚ Dr.Praphulla, Associate Professor, Department of Biotechnology and Dr.Netravathi, Assistant Professor, Department of EEE presented poster in International Knowledge Millennium Conference organized by IKP EDEN at HICC Hyderabad during October 26th - 27th, 2024.





B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

REPORT ON COLLEGE ACTIVITIES – OCTOBER 2024

✚ The Department of Computer Applications hosted a webinar, 'Shaping Future Innovators: Internship Discussion & Technical Growth'. Sri.Rahul Anand, Co-Founder of Vipra Software Pvt. Ltd., was the resource person. He highlighted on essential Big Data analytical skills and practical knowledge for aspiring professionals in Big Data Analytics (BDA). The event was coordinated by Smt.Shilpa S., Assistant Professor in the department.



October 28th, 2024

✚ Dr. Kaliprasad C.S, Assistant Professor, Department of Physics co-authored and published a research paper titled, 'Pyrazine substituted chitosan an absorbent material for the efficient removal of anionic dyes from aqueous solutions' in Journal of polymer Research (2024) with impact factor 2.7, SJR: Q2, ISSN: 1572-8935, volume-130.

✚ SINGULARITY, the Astronomy club of Department of Physics in collaboration with IEEE SSIT on the occasion of IEEE WIE week organised ASTRONAUTICA –

A Podcast event with ISRO scientists. Dr.Shivprakash and Shri Ananda from ISRO were the speakers for the podcast.



October 29th, 2024

✚ The department of Aerospace Engineering organised a Guest Lecture on 'Air Traffic Controlling' for the benefit of the students. Sri.Ajay Eranholi, Training in-charge – Aerodrome Operations, Air Traffic Control Complex, H.A.L Airport, Bengaluru was the resource person.



✚ NSS volunteers of the college actively participated in Green Sunday events



B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

REPORT ON COLLEGE ACTIVITIES – OCTOBER 2024

458, 459, 460, and 461 organized by the Adama Chetana Foundation during October 2024 at various places in Bengaluru.



✚ Dr.Chethana K Y., Assistant Professor in the department of Aerospace Engineering participated in AAKRUTI Global 2024, Dassault Systemes SOLIDWORKS corporation Worldwide Product Design Contest.

✚ Department of Electronics and Telecommunication Engineering organized a talk on 'Engineering Meets Biology: Morphometric and Quantitative Behavioural Analysis of Teleost Models in High-Throughput and its Applications', by Dr. Ravindra Peravali, Group Leader and Head of the

Screening Center Karlsruhe Institute of Technology, Germany.



✚ Dr. Preethi K. Mane, Associate Professor in the department of Electronics and Instrumentation Engineering organized Pre-User Acceptance Test at 5G Use Case Lab. Sri.Sandeep, Telecommunications Consultants India Limited (TCIL) and Department Of Telecommunication, Sri. Pradeep Jana, Product manager, Signaltron and Sri.Prakash Rao, Sr Director-Software, Signaltron and other representatives from Niral networks graced the event.



✚ Dr.G.Chandra Shekara and Dr.Hemanth Kumar C., Assistant Professors in the



B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

REPORT ON COLLEGE ACTIVITIES – OCTOBER 2024

department of Mathematics co-authored and published research article titled, 'Stability Analysis of Mixed Convection of Nanofluid Flow Through a Horizontal Porous Channel Using LTNE Mode' in Microgravity Science and Technology (2024) - Springer in October 29, Vol. 36 (56) 2024. Page No.1-21

<https://doi.org/10.1007/s12217-024-10140-w>

- ✚ Dr. Balachandra K., Associate Professor, Department of Electronics & Telecommunication Engineering published a paper titled, 'Improved harmonic spectral envelope extraction for singer classification with hybridized model' in Int. J. Bio-Inspired Computation, Vol. 24, No. 3, 2024 <https://doi.org/10.1504/IJBIC.2024.141676>

- ✚ Department of Mechanical Engineering in association with ASHRAE BMSCE Chapter organised a talk on 'Automation in HVAC Systems' by Sri. Bhagavan S., Director, UTC-Carrier Race Technologies. The speaker highlighted the importance of automation, industrial requirements, complexities in HVAC system. The ASHRAE chapter members and interested students from Mechanical department attended the program. Dr.Giridhara, HOD, Mechanical Engineering and Dr.Sudarshan B, Assistant Professor in

the department and chapter advisor graced the occasion.



October 30th, 2024

- ✚ The following employees who retired from the service at the college during October 2024 on attaining the age of superannuation were felicitated.

- Dr.H.B.Nagaraj, Professor, Dept. of Civil Engg
- Sri. S.K.Ramesh Babu, Peon, Office