



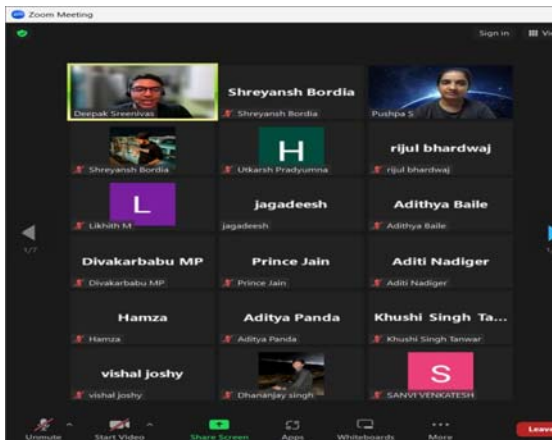
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REPORT ON COLLEGE ACTIVITIES – MAY 2024

May 1st, 2024

- The Dell Trivia event, a collaborative endeavor between the college, Dell Technologies and BMSCE Alumni Network marked a significant milestone in fostering connections between academia and industry. Through interactive quizzes and engaging discussions, participants gained valuable insights into Dell's history, products and innovations.



- Smt.Prameetha Pai, Assistant Professor in the department Computer Science & Engineering along with 8th semester students in the department, Mr.Shubhan S Bhat, Ms.Lavanya G, Ms.Shabeena A and Ms.Rakshitha G., published a paper titled, 'Smart Plant Disease Management: Integrating Deep Learning and IoT for Rapid Diagnosis and Precision Treatment' in Scopus indexed Q4 Journal :International Journal of Intelligent Systems and applications in Engineering

- Dr. Venkata Madhava Ram Tatabhatla, Assistant Professor in the department of Electrical and Electronics Engineering co-authored and published an article titled, 'Reduced partial shading effect and enhancement of performance metrics using a Fibonacci based algorithm' in International Journal of Numerical Modelling: Electronic Networks, Devices and Fields Volume 37, Issue 3. DoI: <https://doi.org/10.1002/jnm.3242>

- Smt.S.Kumuda, Assistant Professor, Department of Electronics and Instrumentation Engineering co-authored & published a research paper titled, 'Synthesis and characterization of graphene oxide and reduced graphene oxide chemically reduced at different time duration', J Mater Sci: Mater Electron (March 2024) 35:637, Springer, DOI: 10.1007/s10854-024-12393-y

- Smt.S.Kumuda., Assistant Professor, Department of Electronics and Instrumentation Engineering co-authored & published a research paper titled, 'Non-invasive FBG-based contact lens for continuous intraocular pressure monitoring' in Journal of Optical Fiber Technology, Elsevier (April 2024) with impact factor 2.7, SJR:Q2, 1068-5200, Volume 84, May 2024, 103777,10.1016/j.yofte.2024.103777



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May 2nd, 2024

- Department of Electronics and Communication Engineering in association with Texas Review organised a talk on 'Higher Education and Career Prospects Abroad' for all pre-final year ECE students. Mrs.Sujatha R, Business Development Manager, Texas Review was the resource person and Dr.Hemavathi, Assistant Professor, Dept., of ECE coordinated the event.



- The Department of EEE in association with EEEA, organized one-week Value Added Course on 'Electrical Technology for Sustainable Future' during May 2-9, 2024. The faculty members in the department were the resource persons.



- The Gradient - Students' club of Department of Machine Learning organised a hands-on workshop on 'RAG Chatbots Demystified!'. Participants were given a demonstration on multi pdf chatbots by the resource person, Ms.Sushumna Singh, a Data Science Associate. The participants learned about LLMs, langchain and llamaIndex amongst other technologies.



- Dr. G. Giridhara, Prof. & Head, Department of Mechanical Engineering was invited as an academic expert for evaluation of final year Mechanical Engineering students' projects at B. N. M. Institute of Technology, Bengaluru.

May 3rd, 2024

- Dr. Rajeshwari Hegde, Professor and Head, Department of Electronics and Telecommunication Engineering was invited as a jury member for the inter College Project Exhibition, AVINYA-2024 organized by BNM Institute of Technology, Bangalore.



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- Dr. Abhishek Appaji, HOD-R&D was awarded IEEE Volunteer Training Award 2023.



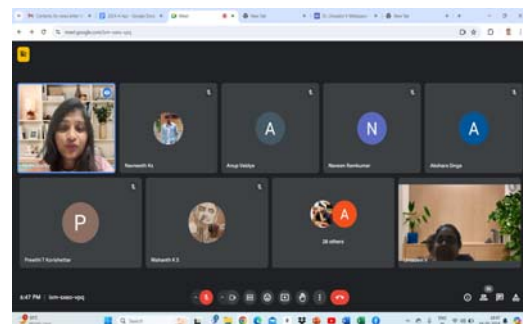
VOC sensing application' in the international conference on Smart Systems for applications in Electrical Science (ICSSES - 2024) organised at Siddaganga Institute of Technology, Tumkur during May 3-4, 2024.

May 4th, 2024

- Dr. Vijayalakshmi K., Professor in the department of Medical Electronics chaired a session in the International Conference on Smart Systems for applications in Electrical Science (ICSSES - 2024) organised at Siddaganga Institute of Technology, Tumkur during May 3-4, 2024.



- The Department of CSE in association with <CodeIO/> conducted "CODESPRINT" on every Saturday during the month of May 2024. Around 100 UG students participated. The students participated in solving HackerRank challenges in the mornings followed by alumni interaction sessions. The resource persons were Ms. Shrinidhi Shetty, Software Engineer III at Google, Ms. Tasmiya Fahtima, System Software Engineer at HP and Mr. Kratharth Hedge, Software Engineer at Qualcomm.



- Dr. Vijayalakshmi K., Dr. Suma M S, Professors and Dr. Jisha P., Assistant Professor in the department of Medical Electronics co-authored & presented a paper titled, 'Analysis of structural, morphological and optical characteristics of protonic acids doped polyaniline for

- Dr. B. Sudarshan, Assistant Professor, Department of Mechanical Engineering attended the 'Industry Institute Conclave' organized by IPTeL, BeST,



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FSID and I-HIPP, Indian Institute of Science, Bengaluru.

- Dr. Jisha P., Assistant Professor in the department of Medical Electronics along with the students, Ms.Prathiksha Harish, Mr.Krithik Raj K and Mr.Prajval Prakash, co-authored and presented a paper titled, 'EMG Sensor-Based Exoskeleton for Knee Injury Rehabilitation' in the international conference on Smart Systems for applications in Electrical Science (ICSSSES - 2024) organised at Siddaganga Institute of Technology, Tumkur during May 3-4, 2024.

- Department of EEE in association with EEEA organized final year students' project Exhibition, 'ÁNVESH-2024'.



- Dr.B.Kanmani, Professor in the department of Electronics & Telecommunication Engineering presented a copy of the Book on, 'Digital Signal Processing concepts using Python', an ISTE-WPLP (An AICTE Project) Learning Materials series on

Electronics and Communication Engineering authored by her and Published by Khanna Book Publishing; ISBN – 9789355382689 to Hon'ble Chairman, Principal & the Vice Principal (Adm) of the college.



- Parents-Teachers meeting was organized by the Department of Electronics and Instrumentation Engineering. During the course of the meeting, Dr. Santosh R. Desai, HOD-EIE shared the achievements and progress of the department.





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✚ Dr. Rajeshwari Hegde, Professor and Head, Department of Electronics and Telecommunication Engineering received a certificate of appreciation for guiding the project titled, 'Decibel', presented by the students of department of ETE in the National Level VLSI Project Expo, 'SALICONS-24', organised at RNS Institute of Technology, Bengaluru.



✚ The NSS unit of the college along with DKMS-BMST organized a stem cell donor registration drive. The initiative aimed to increase the donor pool.



✚ The Astronomy club, 'Singularity' of Physics department organised one-day visit to Planetarium, Bangalore. Dr.Kaliprasad C S., Assistant Professor in the department accompanied the students.



✚ Mr.Adithya Sayee Ganesh, Mr.Shashank Gowda & Ms.Chandana G., recently passed-out students of Aerospace Engineering under the guidance of Dr.D.Saravanan, Assistant Professor and Dr.Rammohan Y.S., Head, Department of Aerospace Engineering presented the paper in the Global Conference on Aeronautical, Aerospace and Mechanical Sciences (GCAAMS) .

May 5th, 2024

✚ The Department of CSE in association with <CodeIO/> organised a talk on 'Getting started with Masters'. Ms.Meghana Mukund Joshi, Applied Scientist at Microsoft, Ms.Niyathi Kumbale, Product specialist at Zenoti and

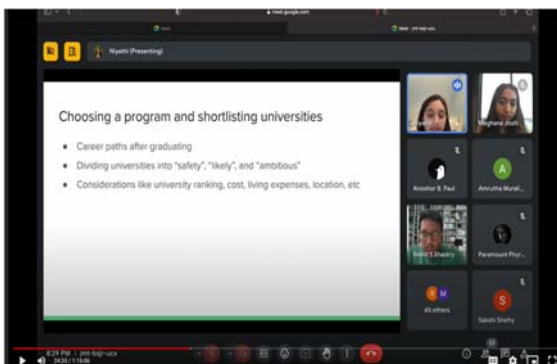


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Mr.Nikhil Shastry, SWE at Bosch were the resource persons.



International Conference-2024 Innovation in Technology (INOCON) organised at Sai Vidya Institute of Technology, Bengaluru.

- Department of CSE organized a talk on Higher Education by Texas Review Team and 6th semester students participated in the event.



- Mrs. Priyadarshini Jainapur, Sri. S.Sandeep and Mrs.K.Poornima Kamath, Assistant Professors in the department of Electronics and Communication Engineering co-authored & published a research paper titled, 'Intelligent Ambient Light-Controlled Street Lighting System for Power Optimization' in the International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIREEICE).
DOI: 10.17148/IJIREEICE.2024.12536.
ISSN (O) 2321-2004, ISSN (P) 2321-5526.

May 6th, 2024

- Dr.Selva Kumar S., Assistant Professor, CSE, Dr.Geetishree Mishra, Assistant Professor, ECE and Smt.Saritha A.N., Assistant Professor, CSE along with the students, Ms.Pooja Srinivasan, Ms.Anusree Manoj K., Mr.Manu Saraogi and Mr.Jeevan Nataraju co-authored & presented a paper titled, 'Image Inpainting for Facial Recognition using Generative Networks' at IEEE
- Dr. Darshan C.S., Assistant Professor in the department of Civil Engineering was invited as resource person for a technical session at L&T, C-TEA (Corporate Technology & Engineering Training Academy), Mysore.
- Dr.Tamal Jana, Assistant Professor, Department of Aerospace Engineering successfully completed the NPTEL online 3-days workshop on 'Machine Learning for Fluid Mechanics' by Dr. Ricardo Vinuesa, KTH Royal Institute of Technology, Stockholm.
- The Department of Electronics and Instrumentation Engineering organized a demonstration on Industrial Process Control by Dr.Meenatchisundaram S, Additional Professor, MIT, Manipal and



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Sri. Suresh Bhadake, Director, Advanced Control Equipment, Sangli. Faculty and technical staff members in the department attended the same.



May 7th, 2024

- Department of CSE (IoT and Cybersecurity including Blockchain) organized 2 Days Student Development Program on 'Mobile Application Development' for 4th semester students during May 7-8, 2024. Dr.Dheeraj D., Associate Professor, DSCE and his team members, Mr.Aarya and Mr.B.Shamanth were the resource persons for the SDP. The participants gained practical insights into creation of android-based mobile application and interfacing with Raspberry Pi. The event was coordinated by Mrs.Krupa K S., Assistant Professor, Dept of CSE(ICB).



- Dr. Umadevi V., Associate Professor was invited as resource person for the Faculty Development Program on 'Technical Writing using LaTeX' organized at S.J.C Institute of Technology, Chickballapur during May 7-9,2024.

- The department of Medical Electronics organised an expert talk titled, 'Exploring new possibilities and challenges towards Health care technology and its Advancements' by Ms Sirjana Singh, Vice-President Biome Health care Ltd., Bangalore for the benefit of students.



May 8th, 2024

- Research Grant has been sanctioned by the Aeronautics Research & Development Board (ARDB), DRDO, Delhi, under Grant-In-Aid scheme for the project titled, 'Technology Demonstration of Intershaft Squeeze film damper (ISSFD) for two-spool gas turbine applications'. Dr. H. M. Shivaprasad, Associate Professor, Mechanical Engineering is the Principal Investigator, Dr. G. Giridhara HOD- Mechanical Engineering and Dr.Arunkumar V are Co-Principal Investigators.



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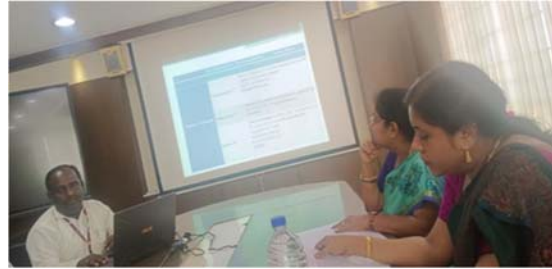
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✚ The BMSCE Alumni Network, IIC and BIG Foundation hosted a prestigious event featuring BMS College of Engineering alumnus and Gud Gum co-founder, Mr. Mayank B Nagori. The evening was marked by insightful discussions, professional networking and a celebration of innovation. Mr Mayank inspired many students and interacted with the young minds.



✚ Dr.K.Vijayalakshmi, Professor, Department of Medical Electronics attended BOS meeting at Department of Biomedical Engineering, Paavai Engineering College, Namakkal, Tamil

Nadu as University nominee for Board of Studies.



May 9th, 2024

✚ The Department of Civil Engineering in association with CEHSC of the college organised a Guest Lecture on "PSU Job Opportunities" by Sri. Vineet Gupta, Program Director, GATE IMS Learning Resources Pvt., Ltd.



✚ Dr. Netravathi S., Assistant Professor in the department of Electrical & Electronics Engineering delivered a talk on 'Optimization algorithms on software platforms' for one-week Value Added Course on "Electrical Technology for Sustainable Future" organized by the Department of Electrical and Electronics Engineering in association with EEEA.



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✚ Dr. Manish S Dharek, Assistant Professor and Dr. A Sreenivasa Murthy, Assistant Professor, department of Civil Engineering along with the 6th semester students in the department visited the WEINERBERGER plant at Kunigal as a part of Industrial visit.



✚ Dr. Prema V., Associate Professor, Dept. of EEE was invited as Chief Guest for "INDUSTRY ACADEMIA SYMPOSIUM", the inauguration event of the IEEE POWER ELECTRONICS SOCIETY organised at Cambridge Institute of Technology, Bengaluru.



✚ Extension Lecture Series on, "Higher Education: Educational opportunities at

abroad" by IDP which is a proud co-owner of IELTS and ASX-listed company operating for more than 50 years with offices in over 30 countries across the globe was organised by department of Medical Electronics for the benefit of 6th and 4th semester students.

May 10th, 2024

✚ Dr.Seema Patil, Assistant Professor, Computer Science & Engineering along with 8th semester students, Ms. Manshi Mahato, Ms.Umadevi S A, Ms.Neha L and Mr.Utsav Bose published paper titled, 'Automatic Academic Analysis:Leveraging IDP for Efficient Data Extraction and Processing' in Gradiva Review Journal, ISSN No 0363-8057, Volume 10,Issue 5, pp 224-228

✚ Dr.C.T.Puttaswamy, Professor in the Department of Chemical Engineering delivered a talk on "*Engineering for Sustainability Goals with Waste to Wealth Perspectives*" during the two day workshop on Artificial Intelligence, Industrial Safety and Environmental Practices organised by the Institute of Environment and Hazardous Materials Management, Bengaluru.





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- ✚ The Book on 'Effective Implementation of OBE leading to Accreditation', an ISTE-WPLP (An AICTE Project) Learning Materials series on Management Studies authored by Dr. B. Kanmani is Published by Khanna Book Publishing; ISBN – 9788189731236 and is available both on Flipkart and Amazon (*The initial version of this Book was published by ISTE during 2020*)



- ✚ Dr.B.L Suresha, Head of the Department of Physics co-authored & published a research paper titled, 'Green, cost-effective synthesis of NiMnO₃ nanoparticles and their use in supercapacitor and photodegradation applications', Nano-Structures & Nano-Objects Volume 38, May 2024, 101151 with impact factor **5.914**, Q1 Journal, ISSN 2352-507X (print), 2352-5088 (web) DOI: <https://doi.org/10.1016/j.nanoso.2024.101151>
- ✚ A Guest Lecture on 'ENERGIZING NATION BUILDERS' by the Joyful Vedanta team was arranged for young faculties those who are establishing their career in teaching. The talk emphasized on having clear, focused

and productive goals in our day-to-day life. Also exercised few examples to prove the achievement of bigger goals through peaceful and joyful way.



- ✚ Dr. Rammohan Y S, HOD- Aerospace Engineering co-authored & published a paper titled, 'Impact of Boundary Conditions and Radius of Curvature on Vibro-Acoustic Behavior of Cold-Rolled Carbon Steel Structure' in Journal of Vibration Engineering & Technologies.

May 11th, 2024

- ✚ Dr. Ashwini Appaji, Alumni Relations Manager of the college was invited to deliver a talk on 'Building communication and Leadership Skills' at Tribhuvan University, Kathmandu, Nepal
- ✚ Dr. Rajeshwari Hegde, Professor and Head, Department of Electronics and Telecommunication Engineering, Dr.Feroz Morab, Assistant Professor, Department of Electronics and Communication Engineering and Dr. Veena Hegde,



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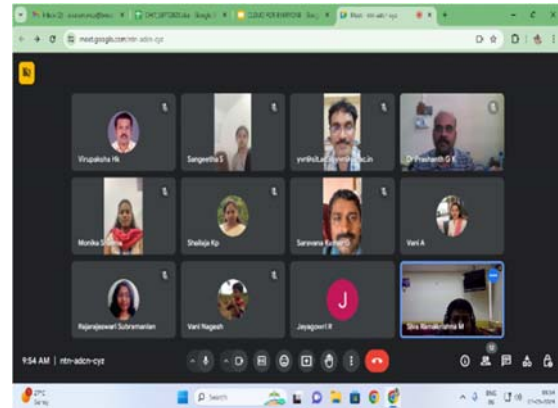
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Professor, Department of Electronics and Instrumentation Engineering received IEEE Protsahan Award for publishing a quality paper in Communication domain.



to 11th, 2024. The program was designed to equip the participants with cutting-edge skills and knowledge in cloud computing, leveraging the powerful capabilities of AWS. Sri. Dilip, CEO, Cloud Institution and Sri Siva Rama Krishna, Assistant Professor, Dept. of Computer Applications and also Multi Cloud Certified Trainer were the resource persons. Sri. P Lakshminarayana, Sri. R V Raghavendra Rao and Sri. M Siva Rama Krishna, faculty members of Department of Computer Applications coordinated the event.



- Dr. Abhishek Appaji, Associate Professor, Medical Electronics & HOD-R&D was invited to deliver a talk on IEEE benefits and Image Processing in Medical Electronics at Tribhuvan University, Kathmandu, Nepal.



- Dr. Abhishek Appaji, HOD-R&D was invited to give a talk at a Conference Leadership workshop organised at Kathmandu, Nepal.



- The department of Computer Applications organised a Faculty Development Program on 'Amazon Web Services' during May 6th



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May 12th, 2024

- ✚ Smt. Prameetha Pai, Assistant Professor, department of Computer Science & Engineering successfully completed NPTEL AICTE Faculty Development Program – ‘Switching Circuits and Logic Design’, a 12 weeks course during Jan-May 2024.
- ✚ NSS volunteers of the college actively participated in GREEN SUNDAY 437. This special edition of Green Sunday honored mothers and Mother Earth on the occasion of Mothers’ Day. NSS Programme Officer Dr.N.Sujatha felicitated Dr. Tejaswini Ananthkumar, founder of Adanya Chetana Foundation recognizing their dedication to the environment and the achievement of 437 Green Sundays. The event highlighted BMSCE's commitment to environmental sustainability and community service.



May 13th, 2024

- ✚ B.M.S College of Engineering, B.M.S College of Architecture and B.M.S College of Law organized 133rd Birth Anniversary celebration of Bharatha Ratna Dr. B. R. Ambedkar in the college. Hon’ble Justice S. Sunil Dutt Yadav, Judge, High Court of Karnataka was the Chief Guest. Dr.P.Dayananda Pai, Chairman, BMSCE presided over the function. Sri.Aviram Sharma, Trustee, BMSET, Principals, Vice Principals, Deans, HODs, Faculty, staff & students of BMS institutions at the campus & Trust officials participated in the event.



On this occasion, bags were distributed to 106 children of Government School, Srinagar and Siddapura slum who participated in the program as an initiative of NSS unit of the college.





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✚ Dr.Seema Patil, Assistant Professor, Computer Science & Engineering along with 8th semester students, Ms,Manshi Mahato, Ms.Umadevi S.A., Ms.Neha L & Mr.Utsav Bose co-authored and published paper titled, 'Academic Data Automation:PDF-to-Excel Conversion and Student Performance Analysis' in Heritage Research Journal , ISSN No 0474-9030, Volume 72,Issue 5, pp21-24.

May 14th, 2024

✚ Dr. B. N. Sarada, Professor, Department of Mechanical Engineering co-authored and published a technical article titled, 'Comparative analysis of sliding wear behaviour of A356 nanocomposites using response surface methodology and artificial neural network approaches' in Engineering Research Express 6 (2024), 025535. <https://doi.org/10.1088/2631-8695/ad4437>

✚ Dr.S.Pratibha, Assistant Professor, Department of Physics published a book chapter titled, 'Biobased Nanomaterials in Sensing Technology' in Biobased Nanomaterials book with Springer nature Publication, Print ISBN 978-981-97-0541-2, Online ISBN 978-981-97-0542-9 https://doi.org/10.1007/978-981-97-0542-9_15

May 15th, 2024

✚ Dr. Tamal Jana, Assistant Professor in the Department of Aerospace Engineering, co-authored and published three research articles titled,

➤ 'Implementation of concavity over heat shield of a reentry vehicle in reducing aerodynamic heating' (<https://doi.org/10.1016/j.ijheatfluidflow.2024.109413>)

➤ 'A survey on synthetic jets as active flow control' (<https://doi.org/10.1007/s42401-024-00301-5>)",

➤ 'Improvement of Aerodynamic Performance of NACA 2412 Airfoil Using Active and Passive Control Techniques'(<https://wseas.com/journals/articles.php?id=9258>, DOI: 10.37394/232013.2024.19.20) in International Journal of Heat and Fluid Flow, Aerospace Systems, WSEAS Transactions on Fluid Mechanics respectively.

✚ The Department of Chemical Engineering organised Project Open Day in the department. The projects carried out by the final year students in various areas of research were presented in the form of posters and the products developed were displayed.



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Dr. G. N. Rameshaiah, Professor, and Dr. Sanjay Kumar, Assistant Professor in the Department coordinated the event.



Ltd., Attibele Industrial area, Bengaluru, primarily engaged in design and manufacturing of pressure relief valve, flow control valve, direction control valve for medium and heavy industrial and earth-moving vehicles. Around hundred students of VI semester B. E. accompanied by the faculty members visited the plant.



- ✚ Smt. Sneha S Bagalkot, Assistant Professor in the department of Computer Science & Engineering received NPTEL Elite AICTE Online certification for completing 12 weeks course on 'Data Analytics with Python'.

- ✚ Department of Medical Electronics organised an open day Project Exhibition. Projects of 8th semester students of 2024 batch were displayed.



May 16th, 2024

- ✚ The department of Mechanical Engineering in association with Mechanical Engineering Association (MEA) organized an Industrial visit to M/s Walvoil Fluid Power (India) Pvt.

- ✚ The R&D department of the college in collaboration with BMSCE Alumni Network organised Mathworks Workshop on Pedagogy & Research. Dr. Nisha Shastri, Alumni from Batch 2017 (CSE) along with her colleagues, Dr. Souvik Chatterjee, Dr. Anand, Dr. Anish, Ms. Nisha M from Mathworks conducted



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the workshop. Around thirty faculty members participated in the workshop. The workshop contributed significantly to the growth and development of educational practices for the faculty.



- Dr.S.B.Bhanu Prashanth, Professor in Medical Electronics was invited as a jury member for the Project exhibition, 'PRADARSHANA-2024', organised at Ramaiah Institute of Technology, Bengaluru.



May 17th, 2024

- UTSAV, an iconic techno-cultural celebration with the theme, "Realms of Time", was organised by the college during 17th, 18th & 19th of May, 2024. Mr.Ravi Basrur, Musical Composer, Ms.Sapthami Gowda, Actress and Mr.Sharan, Actor were the Chief Guests. Hon'ble Chairman, Dr. Dayananda Pai presided over the function. Sri.Aviram Sharma, Trustee, BMSET & other dignitaries graced the occasion. The students participated enthusiastically in various competitions and enjoyed the colourful events.



IEEE COMSOC student chapter, Department of Electronics and Communication Engineering hosted 'Chronoclash', an intriguing stage drama murder mystery event tailored for students on the occasion of UTSAV 2024.



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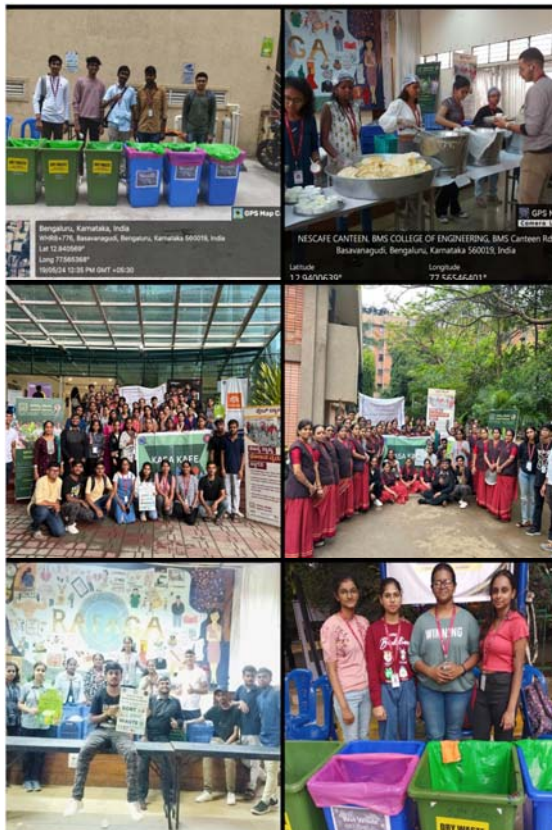
The event provided an immersive and thrilling experience, encouraging teamwork, critical thinking and dramatic engagement among participants.

The NSS Unit of the college spearheaded initiatives to minimize waste during the three-day event. Key initiative was the replacement of disposable paper and areca plates with reusable steel plates, borrowed from Adanya Chetana Foundation. This initiative prevented the use of nearly 6,000 disposable plates. NSS volunteers ensured proper waste segregation and set up water stations to encourage bottle refills. These efforts significantly minimized the fest's environmental impact.

'Singularity', Astronomy club of department of Physics organized 'Telescovia' – in Association with ABAA, as part of the cultural fest UTSAV-2024.



A Demonstration session on the working of 'Table Top UTM' was arranged in Design Laboratory of the Department of Mechanical Engineering. Design lab is recently appended with 10 kN Tabletop Universal Testing Machine for lower capacity testing needs. The faculty and staff of department participated in the demonstration.





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May 18th, 2024

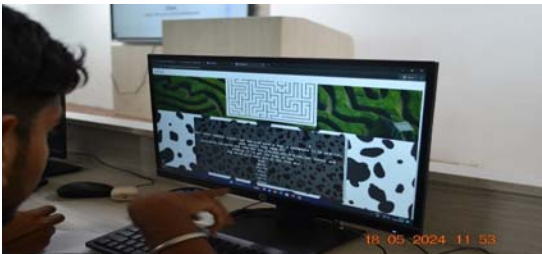
✚ 'Singularity', Astronomy club of department of Physics organised an event, 'Intergalactic Imbeciles' as a part of the cultural fest, UTSAV-2024.



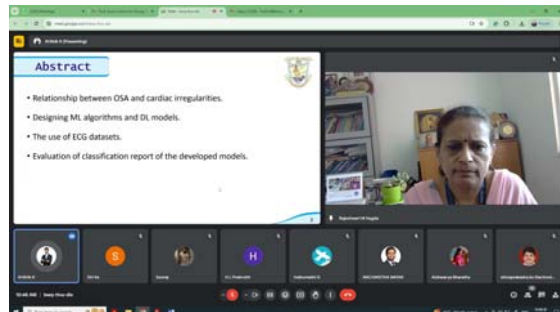
'Time-Rift' was a fun and educational game where players explored the past, present, and future through trivia and strategy-based games. 18 student teams participated in the event.



The Gradient - Students' club of Department of Machine Learning organised events, 'Uncharted' and 'Time-Rift' on the occasion of UTSAV 2024 for the students of various colleges. 'Uncharted' event gave the participants a fun and comprehensive problem-solving experience by solving the puzzles. Participants navigate through an intricate maze of web pages, unlocking secrets and solving enigmatic puzzles. 45 student teams participated in the event.



✚ Dr. Rajeshwari Hegde, Professor and Head, Department of Electronics and Telecommunication Engineering chaired a session(online) in the 2nd IEEE International Conference on Data Science and Information System organized by Malnad College of Engineering, Hassan.





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Dr. Seema Patil, Assistant Professor, Computer Science & Engineering received certification for successfully completing NPTEL AICTE Faculty Development Program – ‘Block chain and its application’ (twelve weeks course).

Mr. Vikram S., Mechanical Engineering student, Mr. Pawan Nagur, Electrical Engineering student, and Mr. Sriram, Civil Engineering student of the college in collaboration with the students of B.M.S. College of Architecture participated in ‘Solar Decathlon India’, an interdisciplinary competition organized at M/s Infosys, Mysuru. The team, ‘Team Akankse’ won first place for designing a net-zero energy consumption office building.



May 19th, 2024

NSS volunteers of the college actively participated in Green Sundays 436 and 438

organized by Adanya Chetana Foundation on May 5th & 19th, 2024 at different locations including BU Bio Park-1, Behind NSS Bhavana, Bengaluru University and BU NGEF Bio-Park near Gandhi Bhavana, Bengaluru University.



‘Singularity’, Astronomy club of the department of Physics conducted an event, “Odds on Olympus” as part of the cultural fest, UTSAV-2024.



May 20th, 2024

The following in-house internship programs were successfully conducted by



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the department of Electronics and Communication Engineering during the period from 19th February 2024 to 20th May 2024

- Antenna Designs using Commercial Software:

Dr. Siddappaji, HOD and Dr. Karthikeya G. S, Dr. Feroz Morab, Mr. Eesha D, Assistant Professors in the Dept., of ECE were the resource persons.

- Unlocking FPGA Potential– Comprehensive internship with Basys3 and PYNQ FPGA Boards using Vivado:

Dr. R Jayagowri, Associate Professor, Dr. Jeeru Dinesh Reddy and Mrs. Radha R C, Assistant Professors, Dept., of ECE were the resource persons.



- ✚ Dr. Sharanappa Chapi, Assistant Professor, Department of Physics, co-authored & published a research paper titled, 'Enhanced structural, electrical, and electrochemical performance of polyethylene oxides (PEO)-based polymer electrolytes for solid state K⁺ ion batteries' in Journal of Applied Polymer

Science, Impact factor-3, Volume 141, Issue 20, May 20, 2024, e55390, Q2 Journal, Online ISSN:1097-4628, Print ISSN:0021-8995.

- ✚ BMSCE Football Women team emerged as VTU Champions in State Level Football Women Championship 2024-25, organized at National Institute of Technology, Mysuru.



- ✚ BMSCE Kho-Kho Men team secured Runners-up position in Momentum-24 Sports extravaganza organized at RV College of Engineering.



- ✚ Dr. Venkata Madhava Ram Tatabhatla, Assistant Professor in the department of



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Electrical & Electronics Engineering participated(Online Mode) in a Faculty Development Program titled, 'Advancing Power Grid Operations: Integrating Renewable Sources and EVs at Scale', organised at SR University during May 20-24, 2024.

May 21st, 2024

- Dr. Rafiq Mulla, Assistant Professor, Department of Physics co-authored & published a research paper titled, 'A simple DIY electrical resistivity apparatus for students' in Physics Education (IOP), Volume 59, Page number: 043004, May 21st, 2024, and Scopus Indexed, Quartile: Q2 as per SJR Scopus, Impact factor/Cite Score: 1.3 Online ISSN:0031-9120
DOI:<https://iopscience.iop.org/article/10.1088/1361-6552/ad4943043004>,
Scopus Indexed, Impact factor/Cite Score: 1.3 Online ISSN:2050-7496
DOI: <https://iopscience.iop.org/article/10.1088/1361-6552/ad4943>

May 22nd, 2024

- Department of Computer Applications and Department of Electronics and Telecommunication in association with BMSCE IEEE Computer Society, IEEE Communications Society and Women in Engineering Affinity Group, IEEE Bangalore Section on account of First IEEE International Conference on Communications and Computer Science-2024 (InCCCS-2024) organised the

hands-on workshops as cited below:

- 'Mathematical Modelling For Computer Science Researchers' by Sri.K C Gouda, Senior Principal Scientist, CSIR-4PI
- 'GPU Programming for Deep Learning' by Sri.Dilip Kumar Dalei Scientist CAIR, DRDO, Bengaluru.



- Dr.B.Sudarshan, Assistant Professor, Department of Mechanical Engineering attended the webinar on 'EmpowerED: Enabling change in STEM Education' organised by Elsevier APAC. The learning activity, student engagement through learning & research practices using STEM technique were discussed in the webinar.



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May 23rd, 2024

✚ The department of Computer Applications and department of Electronics and Telecommunication organised first IEEE International Conference on Communications and Computer Science-2024 (InCCCS-2024) in the college during May 22-24, 2024. The conference was technically supported by IEEE Computer Society, IEEE Communications Society and Women in Engineering Affinity Group, IEEE Bangalore Section. The inaugural address was given by Prof. S Sadagopan, former Director, IIIT-B and Prof. T Srinivas, Chair 2024, IEEE Bengaluru section.



Cultural club and Alumni club of Department of Computer Applications organized cultural evening on the occasion of InCCCS-2024. First semester MCA students performed dancing, singing and played instruments.



✚ Dr. M Dakshayini, Professor in the department of Information Science & Engineering participated as one of the panel members in the Webinar on 'The Rationale Behind India's Investment in Academic 5G Lab'.



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- AIChE student chapter of department of Chemical Engineering of the college organised a lecture on the topic, 'Innovating sustainable materials from crop' by Mr.Shubham Singh (an alumnus of 2014 batch), Co-Creator & CEO, CRASTE for the benefit of the students in the department.



Engineering along with the undergraduate students, Mr.Harsh Singh, Mr.Harshit Kumar Gupta & Mr.Jinesh Jain published a paper titled, 'Blockchain based Solution to Implement Supply Chain Management in Indian Agriculture' in International Journal of Scientific Development and Research (IJS DR) ISSN: 2455-2631 May 2024 IJS DR | Volume 9 Issue 5,Pg-741-751.

- Department of Electronics and Communication Engineering in association with R&D Centre, IEEE Antennas and Propagation Society SBC organised a talk on 'Medical Applications of MHz to sub-THz Waves and EMI/EMC Challenges' by Prof.Shiban Koul, Professor Emeritus, IIT Delhi. Dr.Karthikeya G S., Assistant Professor, Dept., of ECE coordinated the event.



- Smt.Mamatha K.R., Assistant Professor in the department of Information Science & Engineering along with the undergraduate students, Ms.Deeksha P, Ms.Gauri karthika H S, & Ms.Gudoor laxmi published a paper titled, 'A Research on Crop Classification Techniques Using Satellite Image Processing' in Bulletin for Technology and History Journal, ISSN : 0391-6715,Volume 24, Issue 4, 2024. Pg-209-215.

- Sri.Gururaja H S, Assistant Professor in the Dept. of ISE successfully completed his Ph.D defence at JNTU Hyderabad on the title, 'A Novel Intrusion Detection System for Enterprise Networks using Ensembled Machine Learning Models' under the supervision of Dr. M Seetha.



- Smt.Mamatha K R, Assistant Professor in the department of Information Science &



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- Dr.R.Sreelatha & Dr.Mahalakshmi B. S., Assistant Professors in the department of ISE co-authored & presented a paper titled, 'Spontaneous Traffic Management System for Counting Vehicle Using IoT and Image Processing Techniques' in 6th EAI International Conference on Big Data Innovation for Sustainable Cognitive Computing.

May 24th, 2024

- Dr. Sharanappa Chapi, Assistant Professor, Department of Physics co-authored & published a research paper titled, 'Synthesis, anti-inflammatory, antibacterial and antioxidant evaluation of novel pyrazole-linked hydrazone derivatives' in Journal of Molecular Structure, Impact Factor-3.8, Volume-1312, May 24, 2024 (138634), Q2 Journal, Online ISSN: 1872-8014 Print ISSN: 0022-2860.
<https://doi.org/10.1016/j.molstruc.2024.138634>

May 25th, 2024

- Ms.Bhoomika Chegu Vinay, Ms. M.Swathi Wadavi, Ms.Ojaswini A. Sastry and Mr.Malhaar Koparkar, 8th semester students of the Chemical Engineering under the guidance of Dr. Sainath K., Assistant Professor in the Chemical Engineering Department and Mrs. Prathima B., Assistant Professor in Civil Engineering Department presented the project titled, 'Engineered Hydrochar for the Removal of

Hexavalent Chromium: Synthesis, Characterization, and Performance Evaluation' in the event organised at MSRIT, Bengaluru and won the prestigious IICHe-BRC Best Project Award 2024.



- Graduation Day for awarding Degree Certificates to the autonomous batch of Engineering (UG & PG), MCA & MBA graduates of 2023 was organised in the college. Dr. S. Vidyashankar, Hon'ble Vice Chancellor, Visvesvaraya Technological University, Belagavi was the Chief Guest for the event. 1702 degree certificates (PG-282 & UG-1420) were distributed to the graduates of 2023.





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✚ Dr. Veena N Hegde, Professor in the department of Electronics & Instrumentation Engineering along with the student, Mr.G.Achyutha presented a paper titled, 'Transfer Learning in Trash Detection A Metric-based Analysis' in the 4th - International Conference on Computer Vision and Robotics held at Symbiosis Skills and Professional University (SSPU), Pune, India during May 25-26, 2024.

✚ The Department of Electronics and Instrumentation Engineering organised project exhibition, "PRASHAMSA" sponsored by ISABangalore - BMSCE Student Chapter. The projects were evaluated by a panel of jury members comprising of Dr. Srirangaraju, Dean, ECE, Sambhram College of Engineering, B'luru., Ms.Poornima Sathyanarayanan, Director, Central Parking Services, B'luru., Dr.Pramod Chandrashekhariah, Team Leader Computer Vision – DENSO ADAS Engineering Services GmbH Kemptener Strasse 99, Deutschland. Three best projects were awarded prizes.

May 27th, 2024

✚ The IEEE Communication Society Club, Department of Electronics & Communication Engineering hosted a 'Handover Ceremony' to mark the transition of leadership roles to newly elected representatives. This event marks the culmination of the outgoing committee's term and the beginning of a new chapter for the club. Dr. Siddappaji, Professor and HOD,

faculty coordinator Dr. Jayanthi k Murthy and Dr.Arathi R. Shankar, Associate Professor in the department graced the occasion.



May 28th, 2024

✚ The 'Projects Exhibition-2024' was conducted by the Department of Mechanical Engineering showcasing the final year Project Work of B.E., students through working model, simulated results, and posters. The evaluation of these projects were done by Dr. T Ramaprabhu, Joint Director, CEMILAC, DRDO, Dr.Shivalingappa D, Professor, Dept. of Mech. Engg., BNMIT. Dr.B.Sudarshan, Project Coordinator, Dept of Mechanical Engineering coordinated the event.





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Student achievers were felicitated.



May 29th, 2024

- Dr. Sainath K., Assistant Professor in the Department of Chemical Engineering, delivered an expert talk on the title, 'Membranes for Gas Separation' in the Training Course for Quality Improvement 'Advances in Membrane Technology & Applications for Oil & Gas Industry' organized by Centre of Excellence in Oil, Gas, and Energy (CoE-OGE), IIT Bombay.

- FAREWELL function for the outgoing UG & PG students of 2024 was organised in the college. Sri. Sujith Somasundar, Head Education, National Cricket Academy, BCCI and a distinguished alumnus was the Chief Guest. Sri. Aviram Sharma, Trustee presided over the function.





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✚ A research work titled, 'A PORTABLE DEVICE FOR DETECTING MALARIA INFECTION' by Dr. Jisha P, Assistant Professor, Dr. M S Suma, Professor in the department of Medical Electronics, Dr. M V Murugendrappa, Associate Professor, Department of Physics and Dr. Kalyan Raj, Professor, Department of Chemistry has been granted an Indian Patent.

✚ Department of Electronics and Communication Engineering organized 'Project Open Day AYASKANTHA-2024'. Eighth semester students showcased their projects completed during the final year. Dr. Radha B L, Professor from BIT was invited as the evaluator. The best five projects were awarded prizes.



✚ Sri.K.Arjun, Assistant Professor in the department of Civil Engineering attended an online workshop on the topic, 'Prompt Generation Using AI for Architectural Design in Architecture' organized by BMS School of Architecture, Yelahanka, Bengaluru during May 29-30, 2024.

✚ Dr. Ravishankar T.N., Assistant Professor in the Department of Chemistry showcased his latest research endeavor titled, 'Ionic liquid-derived hydrothermal Syntheses, Characterization and Photocatalytic Activity of Li-doped CuO Nanoparticles' at the prestigious International Conference on Science & Technology for Sustainable Future-Health, Energy, Environment (ICSTSF-2024) organised at Acharya Institute of Technology, Bengaluru during May 29-31, 2024.

May 31st, 2024

✚ An interaction meeting of the Melton Fellow Alumni with the Junior Melton Fellows was convened at the college.



✚ Dr.K.L.Nagashree and Dr. S. Manjunatha, Assistant Professors in the department of Chemistry co-authored & published an article titled, 'Synergic formulation of *Ipomoea batatas* quercetin loaded with zinc oxide nanoparticles: photocatalysis of the Methylene blue and Congo red dyes and biological evaluations' in Journal of Molecular Structure, a Q2



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journal published by Elsevier with impact factor 3.8.
<https://doi.org/10.1016/j.molstruc.2024.138766>, Online ISSN: 1872-8014, 31 May 2024, 138766, Scopus.

Department of Electronics and Telecommunication Engineering conducted TELECOMBAT - an international level project contest in association with IEEE Student branch, Stellapps, Vinidra Softech, S & S, Terrablue, and EEKIGAI. The event received 27 projects including hardware and software tracks. Dr. Lalitha SM, Operations excellence lead-HPE, Dr.Suhas Sreehari, Scientist, Oak Ridge national laboratory, USA, Ms.Jyothy Laxmish, Test manager, BT Group, Sri.Rajesh RN, Senior Design Engineer, Stellapps were invited as jury members.



Mr.Ganesh Rao, Mr.Subrahmanya D. S., Mr.Tejus and Mr.Sowrav, 6th semester students of the department of Electronics and Telecommunication Engineering under the guidance of Dr.Rajeshwari Hegde, Head, Dept. of ETE and Dr. Feroz Morab, Assistant Professor,

Department of ECE received best communication project award for the project titled, 'Low cost Line Stabilization Impedance Network'.

Dr. V. Padmapriya, Assistant Professor and Dr. S. Uma, Associate Professor in the department of Computer Applications along with Mr.B.S.Ranganath, an Alumnus published a paper titled, 'Unload Junk: A Mobile Application for Recyclable Waste Scheduled Pickup', in International Journal of Computer Applications. 186, 22 (May 2024),25-30. DOI=10.5120/ijca2024923658

Sri. T. V. Rajendra Prasad, Instructor, Department of Mechanical Engineering and Sri.S.Venkatesh, Helper, Department of Electrical & Electronics Engineering who retired from service at the college on attaining the age of superannuation were felicitated.



NSS unit of the college actively participated in the walkathon and poster-making event organised by BBMP on the occasion of 'World No Tobacco Day'. The



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NSS volunteers of the college participated in 3.8 km Walkathon, which started from Freedom Park and concluded at Town Hall and also showcased their creativity in the poster-making segment, emphasizing the health issues faced by the usage of tobacco .