



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

Autonomous Institute, Affiliated to VTU

### REPORT ON COLLEGE ACTIVITIES – OCTOBER 2023

October 1<sup>st</sup>, 2023

✚ Dr. Sainath K., Assistant Professor in the department of Chemical Engineering co-authored & published an article titled, “Risk mitigation to healthcare workers against viral and bacterial bioaerosol load in laparoscopic surgical exhaust with a new flow mode in hollow fiber membranes-based filter” in Journal of Hazardous Materials, with an impact factor of 13.6, Q1 journal (WOS). DOI: <https://doi.org/10.1016/j.jhazmat.2023.132517>

✚ Dr.M.S.Dharmaprakash, HOD, Chemistry and Dr.Manjunatha S., Assistant Professor, Department of Chemistry, co-authored & published a research paper titled, “X-ray/gamma radiation attenuation and cytotoxic properties of Gadolinium doped Maghemite nanoparticles” in an International Journal, Chemical Physics Volume 574, 1 October 2023, 112026. DOI:10.1016/j.chemphys.2023.112026.

✚ Dr. Meera A, Professor, in the department of Electronics and Communication Engineering and Ms.Aishwarya S K, student in the department published a research paper titled, ‘Design of Low Power Flash ADC using Memristor Based Encoder and Three Stage Comparator’ in the Journal

of Emerging Technologies and Innovative Research(JETIR). 2023 JETIR October 2023, Volume 10, Issue 10 <https://www.jetir.org/papers/JETIR2310454.pdf>

✚ Dr. Vasantha Lakshmi M., Assistant Professor, Department of ETE successfully completed 8 weeks NPTEL courses on ‘Soft skill development’ and ‘Sustainable Engineering Concepts and life cycle analysis’.

October 4<sup>th</sup>, 2023

✚ The PhD viva voce of the research scholar, Mrs.Sujaya on the topic, ‘Efficient Transceiver architectures for Intrabody communications’ was conducted in the department of Medical Electronics. The research scholar was guided by Dr.S.B. Bhanu Prashanth, Professor in the department.



October 5<sup>th</sup>, 2023

✚ ANTARMUKHI, a poignant play was enacted by the faculty members of



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Department of Mechanical Engineering, Dr. Raghu Yogaraju, Dr.H. R. Prakash, Dr.Venkatesh T Lamani and Sri. Rajesh P., in an event organised by B.M.S Kala Sourabha.



- ✚ The final viva voce of M.Sc Engineering by Research student, Mr. Vivekananda, under the guidance of Dr. H.B. Nagaraj, Professor and HOD, Civil Engineering was conducted.
- ✚ Mrs. Nisha P.G, WOSA Research scholar, and Dr.T.S.Pranesha, Professor(Rtd), Department of Physics published a research paper titled, "Trend and interannual variability of the Arabian Sea heat content" in the Journal of Marine Systems, ISSN: 0924-<https://doi.org/10.1016/j.jmarsys.2023.103935>
- ✚ Dr. S.B. Bhanu Prashanth, Professor in the department of Medical Electronics attended the Board of Studies meeting conducted by the department of ECE of Global Academy of Technology, Bengaluru as an external expert member.

October 7<sup>th</sup>, 2023

- ✚ Department of Mechanical Engineering in association with Fluid Power Society of India conducted Fluid Power R & D Confluence (FPRD-2023) in the college with the theme, 'Product Indigenization/ Development and Disruptive Technology'. Dr.G.Satheesh Reddy, President, Aeronautical Society of India (AESI), Former Scientific Advisor to Raksha Mantri and Secretary DD R&D and Chairman DRDO was the Chief Guest. Sri.V Sekar, Chief General Manager , R & D, BEML was the Keynote Speaker. Around 90 papers were submitted and presented by the industrial researchers in the R&D confluence. Fluid power professionals, executives from various industries and students of the college participated in the conference. Dr.G.Saravanakumar, Associate Professor in the Department of Mechanical Engineering coordinated the event.



- ✚ Smt.Shabnam Siddiqui, Assistant Professor in Department of Chemical Engineering attended five days workshop on "Environmental Health and



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Sustainability Powered by Innovations in Machine Learning & Artificial Intelligence" organized at M.S.Ramaiah Institute of Technology during October 3<sup>rd</sup> – 7<sup>th</sup> 2023.

#### October 8<sup>th</sup>, 2023

- ✚ Sri.Pradeep S., Assistant Professor in the Department of Biotechnology presented a research paper on "Effect of natural food and drugs on blood glucose dynamics using systems biology approaches" in the 22<sup>nd</sup> International Conference on Systems Biology, ICSB 2023, held at Hartford, Connecticut, USA during October 8-12, 2023.



#### October 10<sup>th</sup>, 2023

- ✚ Dr.Venkatesh T Lamani, Assistant Professor, Department of Mechanical Engineering attended one-week Short Term Training Programme on "IC Engine Testing and Simulation" organised by Department of Mechanical Engineering, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur during October 10<sup>th</sup> -14<sup>th</sup>,2023.

#### October 11<sup>th</sup>, 2023

- ✚ Department of Mechanical Engineering of the college and Bureau of Indian Standards (BIS) jointly conducted One-day seminar on "Quality Connect Campaign" program for the purpose of engaging the consumers in direct connect mode. The aim of BIS was to empower the consumer on the benefits of BIS schemes and utilize its features through student participation. Dr.G.Giridhara, HOD, Mechanical Engineering was nominated as a Mentor/Co-ordinator for the said Quality Connect Programme. A total of 60 students from the college attended the talk. Dr. Chidanand Mangrulkar, Assistant Professor in the department of Mechanical Engineering coordinated the event through MEA



- ✚ The department of Civil Engineering organised an invited lecture on the topic, "Rigid Pavement Design as per the guidelines of Indian Road Congress (IRC)" by Sri.Lokesh, Highway Consultant, Bengaluru. Dr.Parthan K.,



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Assistant Professor in the department coordinated the event.



laboratories funded by Dassault Systemes. Dr. Anil Chandra A R, Sri.Devaraj K, Assistant Professors, Dr.Bharathi V., Associate Professor from the department of Mechanical Engineering along with faculty from Department of Civil Engineering attended the interaction meeting.



- The 85<sup>th</sup> Meeting of Board of Governors of the college was convened.



#### October 13<sup>th</sup>, 2023

- Delegates from Dassault Systemes, India, Sri. Huzefa Salim - Director for Academia & User Empowerment and Sri. Praveen Bhagoji, Project Manager, La Fondation, Dassault Systemes visited the Product Innovation Lab at the department of Mechanical Engineering to review the progress and implementation of research projects and

- Student team consisting of Mr.S.Mohan from the department of Aerospace Engineering & Mr.Bhuvan Gowda G B., from department of Mechanical Engineering participated in INNOVATE X conducted at IISc, Bengaluru powered by INCeNSE and K-Tech, Govt. of Karnataka and won first place in the Innovation Challenge in Micro Gas Turbine.



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- ✚ Sri.Pradeep S., Assistant Professor, Department of Biotechnology presented a research paper on “Mathematical Modelling of Glucose Dynamics: A Systems Biology Approach for Food and Drug Interventions” in the 2<sup>nd</sup> Edition of International Conference on Diabetes, Metabolism and Endocrinology held at Boston, Massachusetts, USA during October 16-18, 2023.



- ✚ Dr. Shobha T., Assistant Professor in the department of Information Science & Engineering and Dr. Seema Patil, Assistant Professor in Dept. of CSE co-authored & published a paper titled, “CoCo the Cool Robot Cat - (Home Safety Robot using AI, IoT, and DL)” in Sci Journal (Q2 Scopus Indexed), 5(4), 1–6, 13 Oct 2023. <https://doi.org/10.5281/zenodo.10021584>

October 15<sup>th</sup>, 2023

- ✚ Women cell of the college coordinated color week during October 15-24, 2023 as a part of Navaratri celebrations which saw a huge participation from the faculty & staff members





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✚ Dr. Shivakumar R, Assistant Professor in the Department of Chemical Engineering was a Technical Program Committee member and reviewer for the 7<sup>th</sup> International Joint Conference on Advances in Computational Intelligence IJCACI 2023 organized by SAU Center for Research and Innovative Learning (SCRIL), South Asian University, India and Jahangirnagar University, Bangladesh, during October 14-15, 2023.

#### October 16<sup>th</sup>, 2023

✚ Dr. Sanjay Kumar, Assistant Professor in Department of Chemical Engineering has been appointed as an esteemed member of the editorial board for both the "Journal of Polymer & Composite" and the "Journal of Thin Films, Coating Science Technology & Applications," published by STM Journals.

✚ Dr. Harish K N, Assistant Professor in the Department of Chemistry co-authored and published a research paper titled, 'Sustainable approach of La doped CuFe<sub>2</sub>O<sub>4</sub> nanomaterial for electrochemical lead and paracetamol sensing action with multiple applications' in Scientific Reports, page no. 17821 (2023), Nature Publishing Group UK with impact factor 4.6.

✚ Dr. Harish K N., Assistant Professor in the Department of Chemistry co-authored and published a research paper titled, Synthesis and characterization of CuO nanoparticle: Its electrochemical paracetamol sensor activity and substituted-2-aminothiophene synthesis applications in Sensing Technology, page no. 1-16 (Publisher: Taylor & Francis).

✚ Department of EEE in association with IEEE SSIT, Bangalore chapter organized an invited lecture on "Pathway to Professional Excellence" by Sri. Anilkumar Dinker Pandit, Senior Consulting Engineer, GE (Rtd.).

✚ Dr. Rajeshwari Hegde, Professor & HOD, Electronics and Telecommunication Engineering was invited by Radio Mirchi to talk on the mobile connectivity issues in Bengaluru.

✚ Dr. Vijayakumar K., Associate Professor, Department of Computer Applications contributed as a reviewer for 11<sup>th</sup> IEEE Humanitarian Technology Conference organized by IEEE Gujarat Section at Marwadi University, Rajkot, during October 16-18, 2023.



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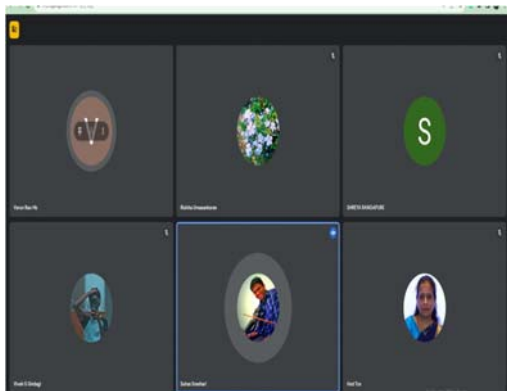
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October 17<sup>th</sup>, 2023

✚ Dr.Mohan Reddy R., Assistant Professor in the Dept. of Chemistry co-authored & published a research paper in Surface Engineering and Applied Electrochemistry – Springer. Title – “Characterization and Corrosion Resistance Behavior Study of Pure Ni Coatings and Ni-V<sub>2</sub>O<sub>5</sub> Nanocomposite Coatings Developed by Direct Current and Pulse Current Methods of Electrodeposition”. *Surf.Engin. Appl. Electrochem.* **59**, 569–581 (2023). <https://doi.org/10.3103/S1068375523050149>.

✚ Department of Electronics and Telecommunication Engineering organized an online meeting with the alumnus, Dr. Suhas Srihari, Scientist, National Oak Research Laboratory, USA regarding the selection of students for the real time projects.



✚ The alumni of the Department of Electronics and Telecommunication Engineering, Mr.Archishman, Mr.Udaysinha Zanzaney, Ms.Lakshya Jain, Mr.Vinay Rao & Mr.Chaitanya Krishna Sharma, under the guidance of Dr. Rajeshwari Hegde, HOD, ETE published papers titled, “Super Resolution in Medical Imaging” and “Crop Disease Detection Using Deep Neural Network” in the IEEE International Conference on Network, Multimedia and Information Technology (NMITCON). **DOI:** 10.1109/NMITCON58196.2023.10275786 & 10.1109/NMITCON58196.2023.10276311s

October 18<sup>th</sup>, 2023

✚ Dr. R Jayagowri, Associate Professor, Department of Electronics and Communication Engineering and Ms.Roohum Jegan, research scholar in the department published a research paper titled, ‘Voice Pathology Detection using Optimized Convolutional Neural Network and Explainable Artificial Intelligence-Based Analysis’ in the Computer Methods in Biomechanics and Biomedical Engineering WOS indexed Q4 Journal.

<https://doi.org/10.1080/10255842.2023.2270102>



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A technical delegation from M/s Trane Technologies Ltd., visited department of Mechanical Engineering. Shri. Atul Singhal, Engineering Leader from Trane Technologies interacted with the faculty members of department of Mechanical Engineering to explore possible research collaboration in the field of decarbonization methods related to sustainable engineering.



Dr. Anil Chandra A.R., Assistant Professor, Department of Mechanical Engineering was nominated as Joint-Secretary for the Indian Society for Advancement of Materials and Process Engineering (ISAMPE), Bangalore Chapter.

The Two days auditors training program on ISO 14001 Environmental Management System for the faculty and staff members of the college was organised during October 18-19, 2023. The tutor was from Bureau Veritas (India) Pvt. Ltd, the certifying agency. The faculty and non-teaching staff from across the departments participated in the training

program. The event was coordinated by Dr. C R Ramakrishnaiah, Professor in the Department of Civil Engineering.



Dr. Umadevi V., and Dr. Kavitha Sooda, Associate Professors in the department of Computer Science & Engineering attended the 13<sup>th</sup> edition of Asia's Largest Exhibition & Conference for the education and skill sector, DIDAC India 2023 organized at Bengaluru International Exhibition Center.



Dr.B.L.Suresha, Head, Department of Physics published a research paper titled, "Dielectric and spectroscopic studies of MWCNTs dispersed in 5CB





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nematic liquid crystal" in the journal of Next materials, ISSN: 2949-8228.

<https://doi.org/10.1016/j.nxmte.2023.100054>

- ✚ Dr.R.V.Ranganath, Professor in the Department of Civil Engineering was invited to attend a meeting as member of the committee to discuss Revision of SAR due to change in POs as per revised Graduate Attributes and Professional Competencies (GAPC) from International Engineering Alliance scheduled at NBA office, New Delhi .

#### October 19<sup>th</sup>, 2023

- ✚ Dr.P.Jayarekha, HOD-ISE delivered a talk on "Outcome based Education Assessment Design" at DSCE, Bengaluru.
- ✚ Smt.Archana K., Assistant Professor in the Department of ETE attended two days workshop on 'Testing Analog and digital circuits using Software defined Multi-Instrument Moku:Go' organised at RNSIT, Bengaluru during October 19- 20, 2023.

#### October 20<sup>th</sup>, 2023

- ✚ The Ph.D. viva-voce of research scholar Smt. Tejaswini M L, on the topic, "An Investigation on the Copper Slag as an Alternative Material for Fine Aggregate In Concrete" was conducted under the

guidance of Dr. Asha K, Assistant Professor, Department of Civil Engineering.

- ✚ Dr. Shachi P, Assistant Professor, ECE along with the students, Mr. Rohit Hugar & Mr.Ujjwal Rakesh presented a paper titled, 'Particle-swarm Optimization-based Digital FIR Filter Design' in the International Conference on Evolutionary Algorithms and Soft Computing Techniques(EASCT-2023), organized at RV Institute of Technology and Management, Bengaluru.

- ✚ The following research papers were presented in the 2<sup>nd</sup> International Conference on Computing, Communication, and Cyber Physical Systems (IC3CPS 2023) organised by Reva University during October 20-21,2023.

- Dr. Poornima G., Associate Professor , department of ECE along with the research scholar, Mr. Maruthi H C., presented a paper titled, 'An Optimal Approach to find optimal locations for base station to achieve energy efficiency in WSN's'

- Dr. Poornima G., Associate Professor, Department of ECE along with the research scholar, Mr. Naganna, presented a paper titled, 'An Efficient Machine Learning and Filter Based Implementation of Data Fusion in WSN'.



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- Department of Mechanical Engineering through MEA organised a Guest Lecture on “Vacuum Technology for Process Applications” by Prof. V. Vasudeva Rao, Rtd. Professor, IIT Kharagpur. The talk aimed at educating students about the importance of negative pressure in various applications and practical difficulties.



- Dr. Seema Patil, Assistant Professor, Dept. of CSE along with Post graduate student, Mr. Harshith H., presented a research paper titled, “Kannada words Sense Disambiguation Using Regular Expressions”, at IEEE International Conference on Evolutionary Algorithms and Soft Computing Techniques (EASCT-2023), organized at R V Institute of Technology and

Management, Bengaluru during October 20-21<sup>st</sup>, 2023.

- Dr. Umadevi V, Associate Professor, Department of CSE chaired a session in ‘IEEE International Conference on Evolutionary Algorithms and Soft Computing Techniques (EASCT-2023)’ organized at RVITM, Bengaluru.



#### October 21<sup>st</sup>, 2023

- Dr. Shivakumar R, Assistant Professor in the department of Chemical Engineering was a technical Program Committee member and reviewer for 5<sup>th</sup> International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering and Technology (ICSISCET 2023) organized by Madhav Institute of Technology & Science, Gwalior and Soft Computing Research Society, during October 21-22, 2023.

#### October 25<sup>th</sup>, 2023

- Smt. Prathima B., Assistant Professor in the department of Civil Engineering



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presented a paper titled, “Unveiling Site Contamination: Comprehensive Investigation, Health Risk Assessment and Management” in the 4<sup>th</sup> International Conference on Environmental Geotechnology, Recycled Waste Materials and Sustainable Engineering (EGRWSE-2023) organised at Dr. B R Ambedkar National Institute of Technology, Jalandhar during October 25-27, 2023.

October 26<sup>th</sup>, 2023

- International Co-operation Division, and Department of Physical Education & Sports of the college in association with Montison Group organised BMS International Champions League during October 26-27, 2023 and Basketball & Football matches were conducted.



- The College Internal Complaints Committee (CICC) and Women Cell of the college organized two days Faculty Development Program on “Dealing with

*sexual harassment at workplace – Prevention, Prohibition and redressal*” during October 26 -27, 2023. Participants were from the college and other institutions. The inaugural function was presided over by the Principal, Dr.S.Muralidhara and Dr.Brinda Adige, Founder Director, Global Concerns India was the Chief Guest. Dr.Bheemsha, Vice Principal (Admn), Dr. A. Satya Nandini, Chairperson, CICC, Dr. K.P.Lakshmi, Chairperson, Women’s cell and Dr.R.Jayagowri, Convener, CICC graced the function. The programme was coordinated by Ms.Sneha Harish, Student Counsellor.



- Dr.Monika Puttaramaiah, Assistant Professor, Department of Machine Learning [AIML] participated as an invited speaker at Emerging Tech Webinar Series | Ep.13 on the topic, “AI-Powered Network Automation – 5G & Beyond” organized by techsagar, India’s Cybertech Repository.



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- Dr. Selva kumar S., Assistant Professor, Department of CSE was the resource person for 5-Days Faculty Development Programme on "Practical data structures for Industrial problem solving" organized at SVIT, Bengaluru in association with CSI .



Inauguration [Online mode] of "Award of 100 5G use case Labs to selected academic institutions was done by Hon'ble Prime Minister, Shri. Narendra Modiji as part of Indian Mobile Congress, 2023. Among these 100 higher educational institutions, BMSCE was one among 4 institutions selected for the demonstration of 5G use cases lab setup as part of this inaugural event.

All the 100 academic institutions selected for the award of 5G use case Lab as part of DOT's '100 5G Labs' were joined through Video Conferencing (VC) link to IMC venue

#### October 27<sup>th</sup>, 2023

- BMSCE is one among the selected higher educational institutions across the country under the 100 5G Labs initiative by the department of Telecommunication of India to setup 100 5G use cases labs. This is an initiative with an objective to build competencies and engagement in 5G technologies for students & start-up communities.



Dr. M Dakshayini, Professor, Dept. of Information Science and Engineering, and Dr. Preethi K Mane, Associate



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Professor, Dept. of Electronics and Instrumentation Engineering of the college are the Nodal Officers.

- ✚ Dr.Rajeshwari Hegde, Professor & Head, Department of Electronics & Telecommunication Engineering and Dr.Suma M.N., Professor, Department of Electronics and Communication Engineering attended 'India Mobile Congress 2023' organised by the Department of Telecommunications (DoT) and the Cellular Operators Association of India at Pragati Maidan, New Delhi.



- ✚ The following papers were presented in Kannada in the national conference conducted by "Swadeshi Vijnana Andolana – Karnataka (Karnataka State Unit of Vijnana Bharati)" at Tumkur University, Tumakuru during October 27-29, 2023.

- Paper titled, "Numerical investigation of hypersonic flow over re-entry vehicle in continuum regime" co-authored by the

students, Mr.Ram Naresh Mahato, Mr.Arun Kumar M, Ms.Vastala Chillala along with Dr.D.Saravanan, Assistant Professor, Dr.Rammohan Y.S., Professor & HOD- Aerospace Engineering and Ms.Sushmitha S., doctoral student of IISc was presented. The paper won the best presentation award and has been selected to present in the 6<sup>th</sup> Indian Science Conference to be held at Ahmedabad during Dec. 21-24, 2023.



- Paper titled, "Design and analysis of a tandem wing UAV" co-authored by the students, Mr.Adithya Sayee Ganesh, Mr.G.Shashank Gowda, Ms.G.Chandana along with Dr.D.Saravanan, Assistant Professor, Dr.Rammohan Y.S., Professor & HOD-Aerospace Engineering and Ms.Sushmitha S, doctoral student of IISc was presented.
- Paper titled, "Numerical Investigation of Coanda effect based Micro Air Vehicle (MAV)" co-



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authored by the students, Mr.Ranganath Prasad G., Mr.Mohammed Shadab, Mr.Shashank M V, Mr.Kishan Gowda along with Dr.D.Saravanan, Assistant Professor and Dr.Rammohan Y.S., Professor & HOD-Aerospace Engineering was presented.

- Paper titled, “Design of mini-fixed wing Unmanned Aerial Vehicle for Surveillance” co-authored by the students, Mr.Shree Charan Bhat K L., Mr.Sriharsha Patil, Mr.Abhishek P Kolar, Mr.Anul Sheety, Mr.Rahul along with Dr.D.Saravanan, Assistant Professor and Dr.Rammohan Y.S., Professor & HOD-Aerospace Engineering was presented.

#### October 28<sup>th</sup>, 2023

- ✚ Dr. Prema V, Associate Professor, Dept. of EEE along with M.Tech student, Ms.Divya Y.V., published a paper titled, “Bi-Directional Converter for Hybrid Energy storage system” in IEEE sponsored 7<sup>th</sup> International conference, CERA-2023 organised at IIT Roorkee.
- ✚ The paper titled, "Detection of Breast Cancer by Machine Learning Algorithms" co-authored by Smt.Shailaja K.P., & Smt.Pushpa T.S., Assistant Professors in

the department of Computer Applications and Ms.Damini D H, student of fourth semester MCA was presented at IEEE International Conference on ‘New Frontiers in communication, Automation, Management and Security’ organised by SoCSE & IS, Presidency University, Bengaluru.



- ✚ Dr.Kalyan Raj, Professor and Dr.Malini S., Assistant Professor in the Department of Chemistry presented a poster titled, ‘One pot synthesis of m-bromobenzaldehyde azine by condensation of secondary amine in 2-chloroacetohydroazide and m-bromobenzaldehyde : Phosphorescence property of Azine’ in one day symposium on “Advances in Organic synthesis” organized by New Chemistry unit, Division of Chemical Sciences, IISc, Bengaluru .

#### October 29<sup>th</sup>, 2023

- ✚ Mr.Shravan A. Kanalli, research scholar in the department of Civil Engineering



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under the guidance of Dr.Sureka Naagesh and Dr.K.Ganesh, Professors in the department presented a paper titled, “Pavement Design and Cost Analysis of Mine Waste Stabilized Low Volume Roads” in National Conference, RATE 2022 at NIT, Surat and proceedings in Book Chapter titled Recent Advances in Traffic Engineering, SPRINGER Publications (pp 405–419).

October 30<sup>th</sup>, 2023

✚ Dr. R V Ranganath, Professor in the department of Civil Engineering attended a workshop on “Graduate Attributes and Professional Competencies (GAPC Version 4.0)” for the NBA Team Chairs and PEVs organised by NBA at New Delhi during October 30-31,2023.

✚ Mr. Pavan S Murthy and Ms. Kshama Marathe, 7<sup>th</sup> semester B.E students in the department of Electronics and Communication Engineering under the guidance of Dr. Karthikeya G S, Assistant Professor in the department participated in the ‘Pitch-A-Thon’ an IEEE sponsored event on the topic, ‘Antenna Mavericks’, and won 1<sup>st</sup> prize.

✚ Dr.Rammohan Y S., HOD-Aerospace Engineering, Dr. Gnanendra P M and Dr.Saravanan D., Assistant Professors in the Department of Aerospace Engineering visited Sulur Airbase, Coimbatore and interacted with the

executives. The team also visited M/s UMS Technologies Pvt. Ltd., Coimbatore in connection with the procurement of equipment for Propulsion Laboratory of the department.



✚ NIRANTHARA, a Solid Waste Management Centre initiated by the Department of Biotechnology and ISRC conducted an awareness program for house-keeping staff in the college towards creating awareness about the importance of segregation of wet waste and dry waste in the campus for effective management of waste generated in the college campus.





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October 31<sup>st</sup>, 2023

✚ Dr. H B Nagaraj, Professor and HOD, Civil Engineering delivered a lecture on the topic, “Recent Innovation in stabilization of Earthen Building Materials” (Online) in the event organised at Anil Neerkunda Institute of Technology and Sciences, Sangivalasa, Visakhapatnam.

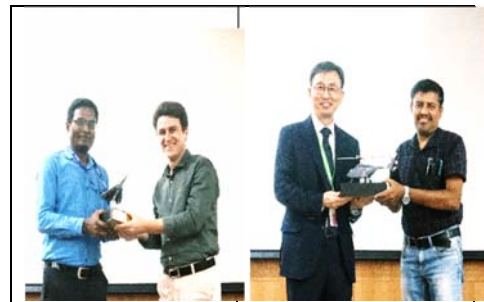
✚ The research scholar, Mr. Sagar Kamble under the guidance of Dr. H.S.Jagadeesh, Professor in the department of Civil Engineering published a paper on the topic, “Fatigue Analysis of Silica Fume and GGBs Admixed Concrete Pavement of Single and Composite section” in Journal of Indian Highways.

✚ Department of Aerospace Engineering organised the following talks by the experts in the field.

➤ Talk on “Contradictory Design Requirements and Linchpin Technology in Aerospace Engineering” by Prof. Rho Shin Myong, Professor of Aerospace Engineering at Gyeongsang National University in Jinju, Republic of Korea and Director of the Research Center for Aircraft Core Technology grouping several Korean universities. Prof. Rho Shin Myong has been the recipient of the Korea Aerospace Industries (KAI)-KSAS

Aerospace Achievement Award in 2021, the most prestigious award of the Korean Society for Aeronautical and Space Sciences (KSAS). He is an Associate Fellow of the American Institute of Aeronautics and Astronautics (AIAA).

➤ Talk on “How Quantum Computing can impact simulations and numerical algorithms” by Mr. Rut Lineswala, co-founder and CTO of Boson Q Psi.



✚ As an integral part of the curriculum design process for UG program, department of Electronics & Communication Engineering convened a stakeholders' meeting. The experts





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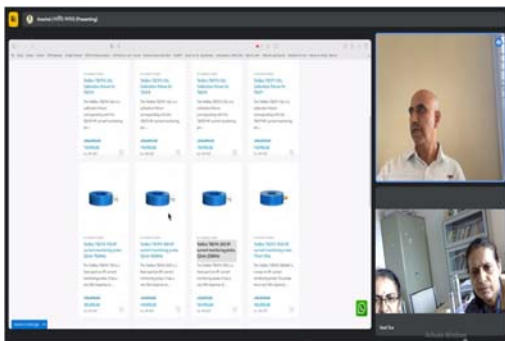
from the industry and academia, alumni, current student representatives and parents participated in the meeting.



The details of proposals approved/accepted for funding by external agencies during October 2023.

Sl. No.	Faculty details	Scheme/ Agency	Title
1	<b>Dr. Reshmi Devi</b> Associate Professor Dept. of Civil Engg	<i>Pvt Fund : Dassault Systemes Foundation</i>	Interactive learning content development on Flood prediction and Mitigation-phase 2
2	<b>Dr. Savithri Bhat</b> Prof., Biotechnology  <b>Dr. Rashmi Shenoy</b> Asst. Prof., Biotechnology	<i>ICSSR</i>	A study of social awareness and education about Eco-friendly menstruation Hygiene practice in rural Karnataka
3	<b>Dr. Chandrashree Das</b> Associate Professor, EEE  <b>Dr. Srinidhi M,</b> Asst. Prof. Chemistry  <b>Dr. Nagashree K L,</b> Asst. Prof. Chemistry  <b>Dr. Latha Kumari</b> Associate Prof., Physics	<i>SERB</i>	FIST Program of DST
4	<b>Dr. Indiramma M,</b> Prof & HOD-AI & DS  <b>Ms. Shruthi K R</b> Asst. Prof., AI&DS	AICTE ATAL	Artificial Intelligence in Computer Networks
5	<b>Dr. Nagarathna N,</b> Prof. & HOD-CS(IOT &CS)  <b>Ms. Krupa K S</b> Asst. Prof. CS(IOT &CS)	AICTE ATAL	IoT And Cyber Security

Department of Electronics and Telecommunication Engineering organized an online meeting with Sri. Aravind Kamath, Founder & CTO, EMC Engineers to discuss about the projects and internship opportunities for students and also towards setting up EMC/EMI Test bench in the department.



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