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REPORT ON COLLEGE ACTIVITIES – MARCH 2022

March 1st, 2022

- ❖ Students of Department of Machine Learning actively engaged in training the kannada medium students of National High School, Basavanagudi as a social responsibility. The high school students were also motivated to pursue higher studies in the field of technical education.



- ❖ Sri. Hari Prasad Uppara, Assistant Professor in the Department of chemical engineering published an article titled ‘The decisive factor of hollow spherical network morphology of $Nd_{1-x}CexCo_{1-y}CuyO_{3\pm\delta}$ perovskites towards soot oxidation’ in Chemical Paper, (2022), Q2 journal, having 2.097. <https://doi.org/10.1007/s11696-022-02122-2>

March 2nd, 2022

- ❖ A meeting of HODs handling first year courses was convened by Dean(FYB) to discuss about conduction of classes,

maintenance of students’ attendance registers, conduction of CIE and other academic issues.



- ❖ Dr. P. Prasanna Kumar, Professor in the department of Civil Engineering was nominated by AICTE as an expert member in the committee constituted to verify the availability of infrastructural and other facilities of an Institution at Vijayawada. The inspection was conducted on 2nd & 3rd March 2022.
- ❖ Dr. Sreelakshmi Diddi, Assistant Professor in the department of Chemical Engineering participated in one week AICTE – VTU Joint Teachers Training Programme on “Universal Human Values - An Overview” during March 02nd - 06th, 2022 organized by VTU Human Resource Development Centre (VTU-HRDC), Centre for PG Studies, VIAT, Muddenahalli.

- ❖ Dr. Rajath Vasudevamurthy, Assistant Professor in the department of Electronics



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and Communication Engineering presented a research paper titled “Pulse-Width Modulation Technique for Generation of Multiple Analog Voltages for On-Chip Calibration” at the 35th International Conference on VLSI Design held virtually from 26th February-02nd March 2022

- ❖ Dr. Maligi Anantha Sunil and Mrs. Sanjana T, Assistant Professors in the Department of Electronics and Communication Engineering, published a research paper titled “Studies on DC Sputtered Cuprous Oxide Thin Films for Solar Cell Absorber Layers” in the Journal of Materials Chemistry and Physics.
- ❖ Dr. Chandrashekara G., Assistant Professor in the Department of Mathematics delivered a lecture on the topic "Fourier series and Fourier Transforms" organized by Brindavan College of Engineering, Yelahanka, Bangalore.
- ❖ Smt.T Anushalalitha, Assistant Professor in the department of ETE presented a paper, ‘Precovid, Covid and Post Covid Classes and Online Engineering’, at 19th REV Conference on Remote Engineering and Virtual Instrumentation conducted at Egypt from 28th Feb to 2nd March, 2022.
- ❖ Meeting of the Principal, Vice Principals Deans and concerned faculty members was convened to discuss about the assessment pattern of first year IDT courses.
- ❖ Dr. G. Saravanakumar, Associate Professor in the Department of Mechanical Engineering along with Sri. Alagarsamy Vanav Kumar, Sri. Jino Lawrence from National Institute of Technology, Arunachal Pradesh published research paper titled “Fluid friction / heat transfer irreversibility and heat function study on MHD free convection within the MWCNT-water nanofluid-filled porous cavity” in Heat Transfer journal.<https://doi.org/10.1002/htj.22498>



March 3rd, 2022

- ❖ The Outgoing IIC student team were given Mementos and certificate of appreciation for coordinating various IIC activities such as



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Innovation, Social media, start-up and internship.



- ❖ Department of Physical Education and Sports of the college organised Prize Distribution ceremony for the winners of Inter-Department Sports competitions in throw ball, volley ball, badminton & cricket .

- ❖ The research paper titled, “Deep Learning-based Detection System for Heavy Construction Vehicles and Urban Traffic Monitoring” authored by Smt. Sreelatha R has been accepted in Scopus Indexed and Web of Science Journal (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 13, No. 3, 2022

March 4th, 2022

- ❖ Sri.M Shiva Rama Krishna, Assistant Professor in the Department of Computer Applications and few students of first semester MCA were volunteers in TechBharat Connecting Event, which is an initiative of LUB-K and IMS foundation conducted during March 4th -5th , 2022.





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- ❖ The Principal & Vice Principal(Aca) visited the department of Physics and interacted with teaching and non-teaching staff in the department. Dr. Murugendrappa M.V, HOD- Physics presented the SWOT analysis of the department.



March 6th, 2022

- ❖ Dr. Madhuri P Rao, Assistant Professor in the Department of Chemistry presented a poster titled ‘Sequential Chlorination and [3+2]-Cycloaddition for the Construction of Antitumor Spirooxindoles’ at the 27th annual meeting of the NMRS, India at IIT Gandhinagar, Gujarat.

March 5th, 2022

- ❖ The Dept. of ISE organized a felicitation function for the UG & PG students of 2020 & 2021 batches.
- ❖ Department of Biotechnology conducted a Hands-on value-added Course on “Modelling Biological Networks using MATLAB” in association with experts from Department of Chemical Engineering, IIT Bombay coordinated by the faculty members of the department, Sri. Pradeep S. and Sri. Ashok Kumar S.
- ❖ A technical briefing about Departmental Elective courses was conducted for VI Semester B.E. students at BSN Hall, PG Block.

- ❖ The students from the NSS Unit of the college actively participated in the 323rd Green Sunday Plantation drive organized by Adama Chetana Foundation. Student volunteers visited the Adama Chetana kitchen and then planted about 25 saplings in the designated areas on Kempambudhi lake.





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March 7th, 2022

- ❖ Dr. Mangala Keshava, Professor in the department of Civil Engineering was invited as Resource Person by BMS School of Architecture, Yelahanka to conduct seminar on the topic, “Mapping of outcomes and Programme outcomes” for UG and PG faculty.



- ❖ Dr. Jayanthi K Murthy, Professor in the department of Electronics and Communication Engineering published a book chapter titled “Improved Routing Protocol for Health Care Communications: A Descriptive Study” in the book of Innovations in Science & Technology.
- ❖ Dr. Sudhindra K R, Associate Professor and Dr. Surendra H H, & Dr. Archana H R, Assistant Professors in the Department of Electronics and Communication

Engineering were invited to deliver a talk on “Robotics” in one-day workshop conducted for students and faculties organized by East Point College of Engineering & Technology, Bangalore.

- ❖ Dr. Venkatesh T. Lamani, Assistant Professor in the Department of Mechanical Engineering attended a Faculty Development Program on ‘Smart Autonomous Driving Systems’ organized by Department of ECE, Ramaiah Institute of Technology, Bangalore during March 7th -11th, 2022.

March 8th, 2022

- ❖ The BMSCE Women’s Cell in collaboration with the NSS Unit of the college organised ‘Women’s week 2022’, a series of week-long events and competitions on account of International Women’s Day.

Women’s week was inaugurated in front of the Ganesha idol on the Ground Floor of B.S. Narayan Platinum Jubilee Academic Block. The principal addressed the gathering while expounding on the role of women in today’s society, expressed his best wishes for the celebrations planned for the following week. Then the Vice Principal (Admin) expressed his best wishes and



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warm regards for the success of the planned events. This was followed by the address of Chairperson, Women’s Cell who briefed the gathering about the events planned for the week. The dignitaries planted a sapling and watered it to mark the Inauguration of Women’s Week 2022.



March 9th, 2022

- ❖ As a part of the ‘Women’s Week 2022’, fun filled team building activities were conducted by the Women’s Cell for all the faculty members of the college. The Dean (FYB) inaugurated the event in the Indoor Stadium at the Sports Complex, flagging off the games for the day.



On this occasion, a state Handloom Exhibition of the Madhya Pradesh named, MRIGANAYNEE was organized in the college campus. The franchise for MP Handloom is managed by a lady. Exhibition stalls were set up in the ground floor of B. S. Narayan Platinum Jubilee Academic block.



The ISE Student Club celebrated the Women's day event for the faculty of ISE department under the theme, “Break The Bias”.





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- ❖ Dr. B. Mallikarjuna, Assistant Professor in the Department of Mathematics delivered four sessions on the topic, “Boundary layer theory in fluid mechanics, Shooting techniques for boundary value problems, Computing Solutions of BVP in MATLAB using shooting Techniques and Built-in Functions” in FDP on “Computational Methods in Boundary Layer Theory” conducted in the Department of Mathematics, Ramaiah Institute of Technology, Bangalore.



- ❖ College Council meeting was convened to discuss about commencement of VI & VIII Semester BE programs, conduction of value-added programs/internships and other academic issues.



- ❖ Dr. Gayathri M S, Assistant Professor in the Department of Mathematics published a paper titled, “Fluid Flow in Composite Regions Past a Solid Sphere” in Biointerface Research in Applied Chemistry : Platinum Open Access Journal (ISSN 2069-5837) in March 2022. Vol.12, Issue: 4,DOI: [//doi.org./10.33263/BRIACI24.47554769](https://doi.org/10.33263/BRIACI24.47554769)
- ❖ Dr. Anil Chandra A. R., Assistant Professor in the Department of Mechanical Engineering was a part of the committee constituted for selection of JRFs for the projects at DRDO, Gas Turbine Research Establishment, as an Academic member. The committee conducted online interview/selection for awarding Junior Research Fellowship (JRFs) through video conferencing during March 9th -11th, 2022.

- ❖ The cultural club of Department of Computer Applications celebrated Women’s Day. Dr.Padmini Oak, a well-known singer, and president of Swara Sinchana Kalabalaga, was invited as the chief guest for the occasion. She explained how the national song of India, “Vande Mataram” describes the country as Mother. On this occasion, students performed dance, singing, mono acting, beat boxing. Some games and quiz were also conducted by students.



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March 10th, 2022

❖ As a part of the Women's Week 2022, an event focusing on importance of small savings was conducted for the housekeeping personnel at the college with a purpose of making the women financially literate and help them save and grow a small sum of money. The postmaster generals from Hanumathnagar zone were the speakers. They explained the audience about the various schemes offered by the Indian Postal Services for small savings. Various insurance, loan and investment options available through the Indian Postal Services were also elucidated by the speakers. Some schemes exclusive for

women and students were explained in detail.



❖ Sri. Hari Prasad Uppara, Assistant Professor in the Department of Chemical Engineering successfully completed his PhD viva-voce at Manipal institute of technology, MAHE.



❖ Dr Chandraprasad MS, Associate Professor and Head of the department, Biotechnology has been granted an Indian patent as Investigator. Title of the invention is 'A process for reducing cloud point in hydrocarbon fuels using nanostructured



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- ❖ Dr. M Shivarama Reddy Director, Physical Education was nominated as a selection committee member to select the Visvesvaraya Technological University Handball (Men) team. Selection was conducted at Maharaja Institute of Technology, Mysuru.
- ❖ Dr. C.Lakshminarayana, Professor in the Department of EEE, delivered a webinar on energy conversion at Government Engineering college, Ramanagar.
- ❖ The following research scholars of Department of Mechanical Engineering were awarded Ph.D in the Convocation held at Visvesvaraya Technological University, Belagavi.

1. Dr. Srinivasa M. R. for the thesis, 'Studies on dynamic characterization of Graphene Hydroxyl Reinforced Aluminium composites', under the supervision of Dr. Y. S. Rammohan, Professor, Department of Aerospace Engineering.
2. Dr. Venkatesh R.,for the thesis, 'Comparative studies of metal working on Aluminium Metal Matrix Composites and Al-Si alloy' under the supervision of Dr. S. Srinivas, Professor, Department of Mechanical Engineering

3. Dr. Ram Rohit V., Assistant Professor, Department of Mechanical Engineering for the thesis 'Development of Non-Edible Vegetable Oils Based Magneto Rheological Fluids' under the supervision of Dr. K. Mallikharjuna Babu, Former Principal, BMSCE & Dr. P. Martin Jebaraj, Former Dean, VTU.
4. Dr. Madhav Murthy, Assistant Professor, Department of Mechanical Engineering for the thesis titled, 'Studies on Vaccum assisted resin transfer molding process for polymer matrix composites' under the supervision of Dr. K. Mallikharjuna Babu, Former Principal, BMSCE & Dr. P. Martin Jebaraj, Former Dean, VTU.



- ❖ Ms.Jisha P, Assistant Professor in the Department of Medical Electronics Engineering received her Ph.D. Degree in Faculty of Electrical & Electronics Engineering Sciences during the 21st Annual Convocation of Visvesvaraya Technological University .
- ❖ The Department of Physics & the Astronomy club known as Alternate Universe conducted a seminar on 'Women in Space' in collaboration with IEEE



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Student chapter of WIE as a part of weeklong women's day celebrations in the college.



- ❖ Dr. Rajeshwari Hegde, Professor in the Department of Electronics and Telecommunication Engineering received a certificate of Appreciation from IEEE for volunteering as proctor to guide and oversee competing teams for the IEEE Xtreme 15.0 programming competition that hosted 12900+ participant

March 11th, 2022

- ❖ As a part of Women's Week 2022, cultural programs were organised. Our students enthusiastically participated in the event.

The Yakshagana performance, musical instruments' concert by the student team, NINAAD and dance performances by our students' team were memorable. The cultural programs were concluded with a song and a skit by CHIRANTANA, the Kannada Club of the college which were noteworthy.





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- ❖ Mr. Shivakumar. R, Assistant Professor in the Department of Chemical Engineering defended his doctoral thesis titled, “Studies on Combustion Behavior of Biomass Blends with Coal” in presence of Prof. Koustabh Mohanty, Professor, IIT, Guwahati, as external examiner and Prof. Samita Maitra, Internal Guide.



- ❖ Dr. Prema V., Associate Professor in the Department of EEE was invited for BoS meeting at RV College of Engineering, Bangalore.

- ❖ The B. S. Narayan Centre for Structural Integrity Studies (BSNCSIS) conducted a demonstration and training session on ‘Fatigue testing and use of thermal imaging camera’ for I Sem.M. Tech. (Machine Design) students of the college. The Resource Person, Dr. Jayaram R. Pothnis, Post-Doctoral research fellow, Aerospace Dept., Indian Institute of Science, Bengaluru explained the significance of fatigue testing of various materials & relevance of test Standards. Dr. Anil Chandra A.R., Assistant Professor in the dept. of Mechanical Engineering coordinated the event.

March 12th, 2022

- ❖ Dr.A.N.Nagashree, HOD E&E and 5th semester BE students, Mr.Sangam Kumar, Mr.Abyan Abera Shiferaw, Mr.Aditya Kumar Mondal Mr.Nishit Kumar & Ms.Pratheeksha T.R filed a patent application titled, ‘A SYSTEM AND A METHOD FOR A PARKING SPOT INDICATOR’
- ❖ Dr. Veena N. Hegde Professor, Dept. of EIE along with Ms.Ramya Rao, VIII Semester EIE student presented a paper titled, ‘Recognition and Classification of Smiles using Computer Vision’ in International



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Conference on ‘Artificial Intelligence Trends and Pattern Recognition’ (ICAITPR) organised by Vardhaman College of Engineering, Hyderabad during March 10th – 12th, 2022.



- ❖ As a part of Women’s Week 2022, a panel discussion was conducted wherein women who have achieved in different fields were invited. The speakers were then felicitated by Lions Club, Bangalore and BMSCE Women’s Cell as a token of appreciation for their achievement.



- ❖ An Essay writing competition on the topic, “Break The Bias” was organised by CCIC, IEEE WIE SB-BMSCE in collaboration with IEEE WIE-AG Bangalore section on the occasion of “International Women’s Day” The first, second and third prize winners, Ms.Jyothi S, 4th Year, Chemical Engineering Department, Ms.Spoorthi M. N, 2nd Year,dept. of ETE & Mr.Ubed Hussain S. G., 2nd Year, Civil Engineering Department respectively were felicitated.

- ❖ The research paper, “Analysis of an Ensemble Model for Network Intrusion Detection” authored and presented by Sri.Gururaja H S., Assistant Professor in the department in the International Conference on Metaheuristics in Software Engineering and its applications (METASOFT 2022) at Siksha ‘O’ Anusandhan deemed to be University, Bhubaneswar, Odisha was selected as the best paper.

- ❖ Few students from NSS Unit of the college actively participated in the Plantation drive organized by Adamyia Chetana Foundation. Student volunteers planted about 50 saplings in the designated areas on Bhavani Manae Lake.

March 13th, 2022

- ❖ In order to create awareness among the people about gender equality and women



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empowerment, BMSCE Women's Cell conducted a Walkathon. In the walkathon, the participants held placards with messages in line with the theme and objectives and completed one full round of the Krishna Rao Park in Basavanagudi and interacted with the morning walkers and joggers. After the walkathon, a street play was performed by PRAVRUTTHI, the theater club of BMSCE. The play had a message of "Break the Bias".



- ❖ CIIE in collaboration with IIC and BMSCE Alumni Network conducted a start-up accelerator program. Boot camp was conducted for curious minds of first and second years. This Boot camp was an insightful experience for all the stakeholders. It was knowledge packed and fun, with tonnes of surprises and meets with BMSCE Alumni.

7 weeks of learning with workshops, mentoring sessions, hands-on sessions and

pitching sessions comes to an end, marking the beginning of a start-up ecosystem in BMSCE.

The teams that outdid the rest and showcased their entrepreneurial skills in the most efficient way were felicitated.

Winners: Team Bella Charge

1st Runner Up: Team Accord

2nd Runner Up: Team Our Sante



- ❖ The students from NSS Unit of the college actively participated in the 324th Green Sunday Plantation drive organized by Adamyta Chetana Foundation. Volunteers set to work starting with mulching more than 200 plants which were previously planted followed by watering of plants.





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March 14th, 2022

- ❖ As a part of Women’s Week 2022, “Beat the Bias”, T-shirt painting and an essay writing competition on ‘NEP 2020 for betterment of Women Professional Career’ were conducted.



- ❖ Dr.Veena N. Hegde, Professor in the department of EIE participated in the 5-day online FDP on “Inculcating Universal Human Values in Technical Education” organized by AICTE from March 14th - 18th, 2022.

- ❖ The Department of ISE organised VGST sponsored FDP on “Machine Learning and Deep Learning with Python” in association with CELLSTRAT from 14th march 2022 to 18th march 2022.



- ❖ A guest lecture on “Foundation of Programming” by Dr.Vishwa Kiran, Associate Prof., BMSIT was organized by department of Computer Applications for first semester MCA Students. This event was coordinated by Sri.P Lakshminarayana, Associate Professor and Sri. M.Siva Rama Krishna, Assistant Professor in the department.





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March 15th, 2022

- ❖ The ISE Student Club Orientation was conducted in the college and around 130 students attended the event.



- ❖ Department of Computer Science & Engineering in association with CodeIO conducted a session on “Choosing Projects for Project Work-4” for 6th semester UG students. The resource person for the session was our distinguished Alumnus, Mr. Sarthak Goyal who is the co-founder of SkillX.



March 16th, 2022

- ❖ Department of Machine Learning organized an Expert Series-1: Guest Talk on “Introduction to Machine Learning”. The Resource person was Dr. Rahul Aralikatte, a Postdoctoral Researcher at MILA-Quebec AI Institute.



- ❖ **PENTAGRAM**, the Mathematical Society of BMSCE organized an event, ‘Simply Pi’ on account of Pi day celebrations from March 16th-19th, 2022 under the supervision of faculty coordinators Sri. Anthony Christy Melson and Smt. Shazia P.A.





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- ❖ Placement Department had convened a meeting with Principal, Vice-Principals, Deans and HODs. The placement officer presented the Placement policies followed at BMSCE and briefed about the upcoming 2023 placement activities.



- ❖ BITES distinguished lecture was conducted on “It’s too Cloudy – Let’s talk about Cloud” in association with Augment.Ai, the Artificial Intelligence club of BMSCE (an Initiative by ISE Department). The lecture was delivered by Ms. Sowmya Vijayalakshmi, Senior Engineering Manager, VMWARE. Around 40 people attended the event.

- ❖ The Extensive Survey Camp was conducted at Melukote for V semester students of Civil Engineering during March 16th – 31st, 2022 as a part of their curriculum.



- ❖ The Cultural club of department of Computer Applications in association with “Samskara Bharathi Karanataka Dakshina” organized a workshop on our national song, “Vandemataram”. Smt. Parimala Murthy



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articulated the meaning of “Vandemataram” song.



Event	Winners	Runners
Table Tennis (Women)	BMSCE	BMSIT&M
Tug-of-war (Men)	BMSPUCW	BMSIT&M
Tug-of-war (Women)	BMSPUCW	BMSSA
Badminton Below 35 years men	BMSCE - A	BMSCE - B
Badminton between 36 to 45 years men	BMSCE - B	BMSCE - A
Badminton Above 45 years men	BMSCE - C	BMSCE - B
Badminton Below 35 years women	BMSCE	BMSPUCW
Badminton Above 35 years women	BMSSA	BMSCW

- ❖ Dr. S. Srinivas, Professor in the Department of Mechanical Engineering along with Sri.Balaji Venkataramana, Research Scholar from NITK, Surathkal, published a paper titled, ‘A study on the effect of multiple abrasive particle impact on the crater sphericity in AWJM using FEA’ in Materials Today: Proceedings online 16 <https://doi.org/10.1016/j.matpr.2022.02.463>.

- ❖ The department of Physical Education & Sports Science, BMSCE organised B.M.S. MILANOTSAVA–2022, sports competition among staff members of the BMS institutions on 17th & 18th march 2022. The results of the competition are as below:

Event	Winners	Runners
Throwball	BMSCE	BMSPUCW
Volleyball	BMSIT&M	BMSCE
Chess (Men)	BMSIT&M	BMSCE
Chess (Women)	BMSIT&M	BMSCE
Table Tennis (Men)	BMSIT&M	BMSIT&M

The winners in the competitions were felicitated.





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March 18th, 2022

❖ The personnel from M/s TECSOL Industries conducted a demonstration / training of upgraded Universal Testing Machine in the Material Testing Lab. The event was coordinated by Mr. Shashiraj, Assistant Professor in the Department of Mechanical Engineering.

❖ Dr. Ram Rohit V. and Sri. Ramesh M. Chalkapure, Assistant Professors in the Department of Mechanical Engineering attended Industrial / Professional Training on ‘Coastal Heat Treatment Solutions’ conducted by an ISO 9001-2015 certified company at Peenya, Bengaluru during March 18th-29th, 2022.

March 19th, 2022

❖ Dr. G. S. Ananthnag, faculty in the Department of Chemistry published a research paper titled, “The story of acyl phosphines: Synthesis, reactivity, and catalytic applications” in “Applied Organometallic Chemistry” a web of science indexed Q1 journal with impact factor 4.105 published by John Wiley & Sons Ltd. Year: 2022, DOI: 10.1002/aoc.6672.

❖ The ISE Student Club organized an event **SIMPLY Pi: 3.UNO 4** for the Pi DAY.



❖ Alumni meet was conducted. Presentation of the roadmap of future collaborations to provide extensive support to students, launch of the new re-modelled website and a networking session were the highlights.



❖ Department of EIE conducted Felicitation function for three batches of graduates. The Graduates of 2019, 2020 and 2021 participated in large numbers and interacted with students and faculty members of EIE.



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The achievers of these batches and faculty coordinators, Executive Committee members of Mitsubishi Electric Cup 2020 were felicitated.



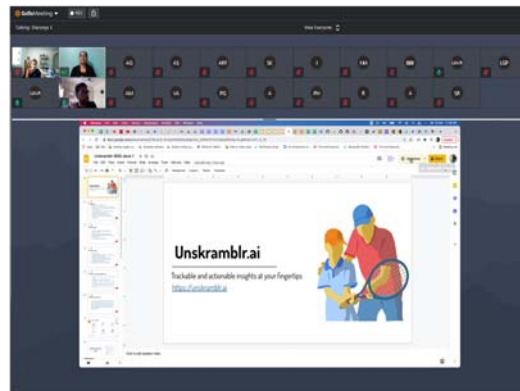
- ❖ The Placement Club of department of Computer Applications organized a session on “Kahoot group discussion and aptitude”. This session was handled by students of first semester MCA students, Ms.Bhagyashri Bhat and Mr.Vamshi KV.



- ❖ A Hands-on workshop on Python for Medical Data Analytics was organized by the Department of Medical Electronics Engineering. The resource person was Sri.Rameshwara G N, Data Science Lead, AgEye Technologies.



- ❖ The department of Electronics and Telecommunication Engineering in collaboration with CIIE and BMSCE Alumni Association organized a webinar on “Internship Opportunities @Unskrabler.ai” by Sri.Vinay Rao, Co-founder, Unskrabler.ai & an alumnus of the department of ETE.



March 20th, 2022

- ❖ The students from NSS unit of the college actively participated in the 325th Green Sunday Plantation drive organized by Adamyia Chetana Foundation on the occasion of the Birthday of Late Dr. Puneeth



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Rajkumar. This Green Sunday included planting of 100 saplings in the park with less green cover and maintenance of old saplings.



March 21st, 2022

- ❖ The Assistant Professors from the Department of Computer Science & Engineering, Dr. Rajeshwari B S and Sri.Vikranth V B demonstrated the usage of virtual lab programs for the CSE cluster students during one week student training program on virtual labs organised in association with virtual labs at NITK, Surathkal, Mangaluru from March 21-25, 2022.

Smt.T Anushalalitha, Assistant Professor in the department of ETE demonstrated virtual lab experiment using vlabs.

Sri.Chaitanya.L, Assistant Professor in the department of EEE delivered a session on Digital Electronics during the said program.

A Session on application to Mechanical Engineering was conducted for Mechanical Engineering students on 22nd March 2022. Dr. H. R. Prakash and Sri. Shashiraj, Assistant Professors of Department of Mechanical Engineering participated in the one-week training programme. Use of virtual laboratory tool developed by the National Institute of Technology Karnataka, Surathkal for the conduction of experiments on Strength of Materials Laboratory was demonstrated on 22nd march, to the 3rd semester students of mechanical engineering and other allied branches. About 250 students from Mechanical, Civil, Industrial Engineering and Aerospace Engineering were benefited from this demonstration.

The Virtual lab Nodal Center coordinators from the college, Dr. Selva kumar S, Assistant Professor, department of CSE and Sri. Sreenivasa Murthy Asst.Professor, department of Civil Engineering coordinated the event.

- ❖ Dept of EEE and EIE in collaboration with IEEE SSIT, PELS, & IES Bangalore Chapters, EEE Association and ISA BMSCE Student Section conducted Two week value added course on “Modelling, Simulation, Robotics & Automation” during 21st March to 1st April 2022 for UG & PG students of the college and external participants. The sessions were



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handled by both in-house and external resource persons.

- ❖ The department of Computer Applications organised a guest lecture on “Image Management and Personnel Branding” by Smt. Shilpa Balagopalan, Technology Leader, Lululemon, Bangalore. The event was coordinated by Sri. P. Lakshminarayana, Associate Professor and Sri. M. Siva Rama Krishna, Assistant Professor of the department.
- ❖ Smt. Anushalalitha, Assistant Professor in the Department of Electronics and Telecommunication Engineering attended a five days National level FDP on Electrophysiology and NeuroComputing organized by KLS Gogte Institute of Technology, Belgavi in association with Heartfulness Institute.

March 22nd, 2022

- ❖ Dr. Manjanth S V, Assistant Professor in the Dept of Civil Engineering was invited by Acharya Institute of Technology, Bengaluru to deliver a lecture (Online) on “WORLD WATER DAY”.
- ❖ A visit to the Centre for Nano and Material Sciences (CNMS) at Jain University, Bangalore was organized by the Department of Medical Electronics

Engineering as a collaborated event with IEEE students branch of the college for 5th Semester UG and 1st year PG students of department of Medical Electronics. Around 50 students along with the faculty coordinators, Dr. Jisha P & Dr. Niranjana K.R, Assistant Professors from the department participated in the event. The visit helped students to understand the synthesis, characterization, and processing of nanomaterials in real-time for health care, energy, and water purification applications.

March 23rd, 2022

- ❖ Dr. R V Ranganath, Professor in the department of Civil Engineering was invited as resource person for One week Faculty development Program on “Emerging Trends in Sustainable Civil Engineering Practices” organised by SJB Institute of Technology, BGS Health & Education City, Bengaluru in association with Bentley Medini.
- ❖ Sri. Shashiraj, Assistant Professor in the Department of Mechanical Engineering was invited as one of the resource persons for the one-week Faculty Development Programme on ‘Generative Design and Topology Optimization’ organized by Ramaiah Institute of Technology, Bengaluru, conducted from March 21st to



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25th, 2022. Prof. Shashiraj delivered talk and hands-on session on ‘Topology Optimization using ANSYS’ on 23rd March 2022. Participants were faculties and post graduate students of Mechanical Engineering and allied branches from various institutions.



❖ Smt.T Anushalalitha, Assistant Professor, in the department of ETE attended five days National level FDP on Electrophysiology and NeuroComputing organized by KLS Gogte Institute of Technology, Belgavi in association with Heartfulness Institute.

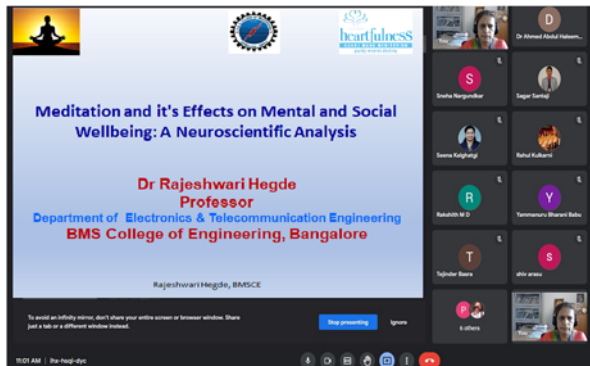
❖ Cultural club, department of Computer Applications in association with “Samskara Bharathi Karnataka Dakshina” organized a workshop on our national song, “Vandemataram”. Dr. Padmini Oak, president of “Swara Sinchana Kalabalaga taught how to sing complete “VandeMatharam” song rhythmically.

March 24th, 2022

❖ Dr. Rajeshwari Hegde, Professor in the Department of Electronics and Telecommunication Engineering was invited as a resource person during the National level FDP on Electrophysiology and Neuro Computing organized by KLS Gogte Institute of Technology, Belgavi in association with Heartfulness Institute.

❖ Mr. Chethana K Y., Assistant Professor in the department of Aerospace Engineering attended a program, "A guided tour of Taylor and Francis eBOOKS and journals".

❖ Mr.Vishal Sharad, H., student from the dept. of EIE and Dr.Santhosh R.Desai, HOD-EIE in collaboration with Dr.Krishnrao, K.Y., faculty from another institution published a paper titled, "Energy-aware multipath routing in WSN using improved invasive weed elephant herd optimization", in ESCI indexed journal International Journal of Pervasive Computing and Communications, DOI: 10.1108/IJPCC-09-2021-0229.





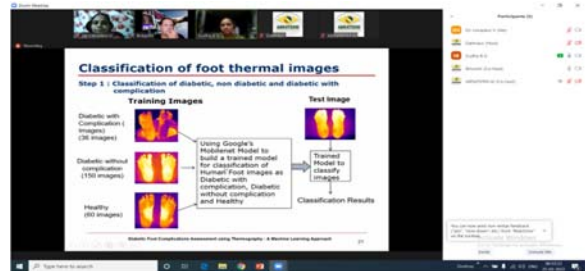
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- ❖ Dr. Y. K. Suneetha, Associate Professor & HOD and Dr. Hari Prasad Uppara, Assistant professor in the Department of Chemical Engineering organized two days Value added programme on “Hands on training of analytical instruments” during 24-25th March 2022.



technical talk on "Diabetic Foot Complications Assessment using Thermography – A Machine Learning Approach" organized by Specialization Group in Medical Thermology and Thermography, Faculty of Medicine, University of São Paulo, Brazil, South America in collaboration with Brazilian Medical Thermology Association



- ❖ Dr. Hari Prasad Uppara, Assistant Professor in the Department of Chemical Engineering presented a paper titled, “Experimental investigation of diesel exhaust gases on $\text{DOC}/\text{SrMn}_{0.98}\text{Co}_{0.02}\text{O}_3$ perovskite material – Engine Dynamometer studies”, in 4th International Conference on “Challenges in Chemical and Biochemical Engineering for Sustainable Development (CBSD)” organized by Department of Chemical Engineering, Annamalai University during 24 & 25th March 2022.

- ❖ The NSS unit of the college organized a volunteer activity in which students went to a government school and painted the walls to motivate pupils about various elements of academia.



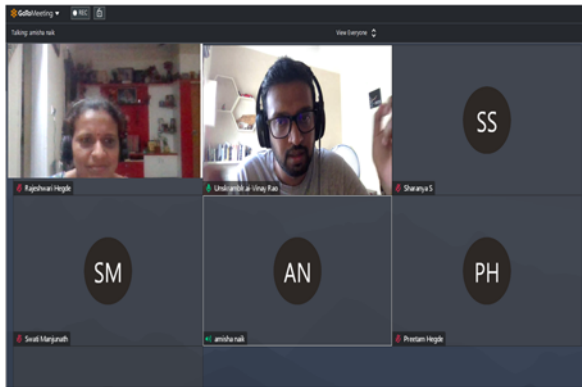
- ❖ Dr. Umadevi V, Associate Professor in the Department of CSE and her Ph.D scholar, Ms. B. G. Sudha delivered an online



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- ❖ Department of Electronics and Telecommunication Engineering organized a meeting of students of the college with Sri.Vinay Rao, Co-founder, Unskrabler.ai & an alumnus of the department wherein the students were reviewed towards providing internships.



and Communication Engineering and M/s SM Electronic Technologies Pvt. Ltd., Bangalore.



- ❖ Smart India Hackathon-2022 (SIH 2022) is a nation-wide initiative to provide students a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mind-set of problem solving.

March 25th, 2022

- ❖ IQAC convened a meeting with all the HODs and faculty coordinators and they were briefed about the preparedness for NAAC Cycle 3 Accreditation.



SIH 2022 has been designed with an aim to bring the next generation into an evolution by inclusion of new methodology to inculcate the culture of start-up and innovation ecosystem across different age groups. Ten student teams from the college were shortlisted for participation in Smart India Hackathon-2022.



- ❖ Memorandum of Understanding (MOU) was signed between Department of Electronics



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- ❖ Dr. Geetishree Mishra, Assistant Professor in the Department of Electronics and Communication Engineering published a research paper titled, “Sensor Based Pothole Detection System” in the International Conference on Cloud Computing in the Emerging Markets organised by IEEE.
- ❖ A GIAN Course on ‘Modeling and Simulation of Turbulence’ was conducted by Department of Mechanical Engineering and Department of Mathematics with Dr. G. Saravanakumar, Associate Professor, Department of Mechanical Engineering as the Host faculty. Dr. B. Sudarshan, Sri. Devaraj K., Dr. Venkatesh T. Lamani, Dr. Ravi L., Dr. Prabhu Swamy N. R., Assistant Professors from the department of mechanical engineering attended the GIAN course.
- ❖ Dr. Chandasree Das published a paper with research scholar, Ms.Sutapa Baidyakar on ‘Numerical simulations on a-Si:H/SnS/ZnSe based solar cells’ in Materials Today Proceedings.
- ❖ Mr. Vishal Sharad, H., student from the dept. of EIE and Dr. Santhosh R. Desai, HOD-EIE in collaboration with Dr. Krishnrao, K.Y., faculty from another institution published a paper titled, “Fault-Tolerant Multi-path Data Communication Mechanism in WSN Based on Optimization Enabled Routing” in SCIE indexed journal Wireless Personal Communication (2022). DOI: 10.1007/s11277-022-09580-7
- ❖ Sri. Rahul R, Asst. Professor in the Dept. of Mathematics published a paper titled, "Implementation of Hidden Node Detection Scheme for Self-Organization of Data Packet," in the journal of Wireless Communications and Mobile Computing, vol. 2022, Q2 journal, Impact factor : 2.336. <https://doi.org/10.1155/2022/1332373>
- ❖ The Department of Mechanical Engineering is conducting a value-added audit course on ‘Basic Math in Fluid Mechanics with Python Programming’ for the benefit of UG and PG students to strengthen the mathematical insight and programming skills. The course is offered by Dr. B Sudarshan, Assistant Professor, Department of Mechanical Engineering of the college and Sri. Manoj N. Dixit & Sri. S. Rahul Kashyap, Research Scholars, Dept. of Mechanical Engineering, Indian Institute of Science. The inauguration and orientation program of the course was held

March 26th, 2022



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on 26th March 2022. Currently, 51 students have registered for the course. The total duration of the course is 30 hours and classes are held during afternoon on Saturdays.



“Love India, Serve India” at the Ramakrishna Ashrama. This event was conducted to encourage and motivate the youth to join the armed forces.



- ❖ The department of Medical Electronics Engineering organised a felicitation program to the 2019, 2020, 2021 batch passed out students of both UG and PG programs.



- ❖ A team of students from NSS Unit of the college actively participated in the 326th Green Sunday Plantation drive organized by Adamy Chetana Foundation. Student volunteers planted about 50 saplings in the designated areas on BU NGEF Bio-Park.



March 27th, 2022

- ❖ A few students of the NSS unit of the college participated in the seminar on



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March 28th, 2022

- ❖ Dr. Prema V., Associate Professor in the Department of EEE was invited for Industry-Academia Board meeting at Vidyavardhaka College of Engineering, Mysore.



- ❖ Dr. Poornima G, Associate Professor in the Department of Electronics and Communication Engineering presented a research paper titled, “A Survey on Detecting Location Based Faults in Wireless Sensor Networks using Machine Learning and Deep Learning Techniques” in the 3rd International Conference on Recent Trends in Machine Learning, IoT, Smart Cities & Applications (ICMISC-2022) organised by CMR Institute of Technology, Hyderabad during March 28th-29th, 2022.

- ❖ Department of Electrical and Electronics Engineering hosted Prof. Chetan Singh Solanki, Professor from IIT Bombay, Brand Ambassador of Solar Energy, Govt., of MP and popularly known as The Solar Man of India.

During his address to the students and faculty, he gave a message and awareness to save our planet and to switch to 100% solar energy to reduce the emission of carbon dioxide. Prof. Solanki also spoke about the issues of Global warming and Climate change throughout the world. He stressed on the solution for energy consumption as “AMG” route wherein A stands for avoid use of energy, M stands for minimize use of energy and G stands for generation.

More than two hundred members (faculty and students) attended the talk followed by the demonstration of the Energy Swaraj Yatra Bus.





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❖ Mr.Feroz Morab, research scholar in the Department of Electronics and Telecommunication Engineering published a paper titled, ‘Detection, Estimation and Radiation Formation Using Smart Antennas for the Spatial Location’ in the Traitement du Signal, Vol. 39, No. 1, February, 2022, pp. 389-398 (**Q2 journal**) under the supervision of Dr Veena N Hegde, professor, Department of Electronics and Instrumentation Engineering and Dr. Rajeshwari Hegde, Professor, Department of Electronics and Telecommunication Engineering.

❖ Dr. N. Sandeep Varma, Asst. Professor in the department of ISE and Principal Investigator, received an RTX based GPU HP Z2 workstation worth Rs.2.5 Lakhs under the R&D interdisciplinary project titled, "Smart Aqua Shrimp Farming Using Intelligent Swarm Fish for Eco System Monitoring and Disease Prediction" funded by Dassault Systemes, Pune and Co-funded by BMSCE. The equipment was inaugurated by Dr.Bheemsha, Vice Principal (Academics).



March 29th, 2022

❖ Online Curtain Raiser event of Approval Process 2022-23 was organised by AICTE. Hon’ble Chairman, AICTE presided the occasion. The Vice Principal (Adm) attended the online event.



March 30th, 2022

❖ Dr. R V Ranganath, Professor in the department of Civil Engineering delivered a lecture (online) in Orientation Webinar to NBA Evaluators on the topic, “Outcome based Education and Accreditation for Program Evaluators (PEV’s)” organised by National Board of Accreditation, New Delhi.

❖ Representatives from Biotech Company, White Board visited the Biotechnology department and placement department. The students’ training towards placement, internship opportunities and probable introduction of value added courses were discussed in detail.





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- ❖ Dr. Geetishree Mishra, Assistant Professor in the Department of Electronics and Communication Engineering published a research paper titled, “Agricultural Pests and Disease Detection” in the International Conference on Forensics, Analytics, Big Data Security organised by IEEE.
- ❖ Mr. Rahul Kamath, Mr. Rakshith P and Mr. Rohan Sathish, final year students from the Department of Electronics and Communication Engineering won “2nd Runner up” in ISSS awards 2021 and were awarded a certificate and a cash prize of 7500/-, under UG category for their project titled, “Scalable Vitals Monitoring System”. The project was supervised by Mrs. Bhavana H T, Assistant Professor, Dept. of ECE.



- ❖ Dr. Poornima G, Associate Professor in the Department of Electronics and Communication Engineering was invited as ‘Subject Expert’ for the Staff Selection

Committee meeting held at Acharya Institute of Technology, Bangalore.

- ❖ Dr. Kaliprasad C.S, Assistant Professor in the department of Physics published a research paper titled, “Seasonal variation of indoor radon, thoron and their progeny in Belagavi district of Karnataka, India” in Environmental Monitoring and Assessment , **volume 194**, Article number: 310 (2022) <https://doi.org/10.1007/s10661-022-09931-8> (Impact factor 2.51. Q2)
- ❖ The Principal, Vice Principals, ICRD and IQAC team reviewed the intuitional research policies



March 31st, 2022

- ❖ IEEE Bangalore Section had organised "Awards Ceremony" on 20th March 2022. During the occasion, the following awards were won by BMSCE IEEE SB, the 2nd Largest Student Branch in the world as on 30th January 2021



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1) To B. M. S. College of Engineering IEEE SB

- Token of appreciation & recognition of support and encouragement towards IEEE Activities for the year 2021.
- Certificate of Achievement for maximum registrations in Large Student Branch Category for IEEE Xtreme 15.0 under IEEE Bangalore Section.
- Membership Development Competition Winner.

2) To Dr. D N Sujatha, Professor, MCA: Outstanding Volunteer Award

3) To Dr. Rajeshwari Hegde, Professor, ETE: Outstanding Large Student Branch Counsellor.

4) To Dr Vijayalakshmi K, Professor, ML: Outstanding WiE Volunteer.

The Principal congratulated all the awardees



- ❖ A meeting of the office superintendents was convened and the Vice Principal(Adm) briefed about the details to be provided towards AICTE mandatory disclosure information.



- ❖ The committee deliberated towards framing guidelines with regard to faculty workload applicable across the departments.



- ❖ Smt. Chandrakala G Raju presented a paper on “Survey – A Comparative Analysis of Face Recognition Techniques Using Soft Biometrics” in “First International Conference On IOT-Ai & MI in Information Technology (Virtual Conference)”, organized by Institute for Engineering Research and Publication (IFERP) and was selected as the best paper.



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- ❖ Dr. Pannir Selvam & his team from Veoneer India visited departments of Mechanical Engineering, ETE and others for possible collaboration of Research & Development activities in the near future.



college campus were cleaned and around 30 bags of garbage were collected.



- ❖ Dr. B. Mallikarjuna, Assistant Professor in the department of Mathematics published a paper titled, “Effect of multiple forces on convective micropolar fluid flow in a permeable channel with stretching walls considering second-order slip conditions’ in International Journal of Ambient Energy, Accepted and published online. <https://doi.org/10.1080/01430750.2022.2059004> (Scopus)

- ❖ The NSS Unit of the college organized a ‘Plog Run’ where the surroundings of the