



B.M.S. COLLEGE OF ENGINEERING, BENGALURU
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REPORT ON COLLEGE ACTIVITIES – JUNE 2022

June 1st, 2022

- ❖ Dr. H B Nagaraj, Professor and HOD, Civil Engg., published a technical paper titled, “Determining soil plasticity utilizing Manafi method and apparatus” in International Journal, ‘ASTM Geotechnical Testing Journal’.
- ❖ Dr.Ramesh B. Nayak, Associate Professor in the Dept. of IEM along with Dr.Pundarika G, Principal, GEC, Ramanagara published a paper titled, “Comparison of Experimental and DELTA-EC Results on performance of Thermoacoustic Refrigerator” in International Research Journal of Engineering and Technology (IRJET), Volume 09, Issue 06, June 2022, PP 1894-1900.
- ❖ Smt.Monika P, Assistant Professor in the department of Machine Learning along with students of DSCE published a paper titled, “A novel framework for automatic caption and audio generation”, in Materials Today, Proceedings, Elsevier Science Direct, DOI: 10.1016/j.matpr.2022.05.380 .
- ❖ Ms.G.Shrividhya, Ms.Sukruta N Kashyap and Ms.Srujana K S, alumni of Electronics and Telecommunication Engineering under the guidance of Dr.C.Gururaj, Assistant Professor in the department of ETE published a book chapter titled ‘Supply Chain Based Demand Analysis of Different Deep Learning Methodologies for Effective Covid-19 Detection’, Innovative Supply Chain Management via Digitalization and Artificial Intelligence, Springer Publishers, Kumaresan Perumal, Chiranjilal Chowdhary, Logan Chella Eds, May 2022, Chapter 9, ISBN: 978-981-19-0239-0, pp 135-170, DOI: 10.1007/978-981-19-0240-6_9
- ❖ Students of Electronics & Telecommunication, Ms. Nidhishree Arun, Ms.Namratha V and Ms.Ananya Dutta under the guidance of Sri.Shreenivas B., Asst. Professor in the Dept. of ETE , published a paper titled, “Hand gesture recognition and volume control” in the International journal of creative research thoughts, Volume 10, Issue 6, June 2022.
- ❖ Dr. K.Vijayakumar, Associate Professor in the Dept. of Computer Applications along with Dr.Divijendranatha Reddy, Associate Professor, Dr.Saisha Vinjamuri, Assistant Professor & Smt. Prathibha N., Assistant Professor in the Dept. of Biotechnology and Smt.Rajeshwari Devi D. V., Faculty at Dept. of ECE, GSSS Institute of Engineering and Technology for Women published a book chapter titled, “Assessment and Attainment of Student Learning Outcomes in Outcome-Based Education for Technical Undergraduate Programs”,



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Chapter-4 of book, “Development of Employability Skills Through Pragmatic Assessment of Student Learning Outcomes”, IGI Global publishers, June 2022, Pages: 16 DOI: 10.4018/978-1-6684-4210-4.ch004.

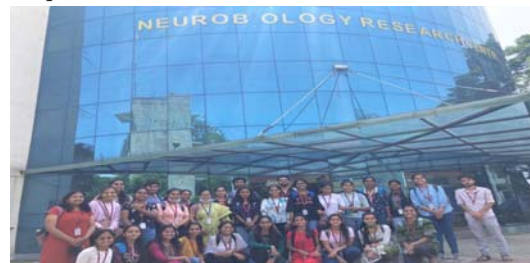
June 2nd, 2022

- ❖ Dr. Chandasree Das, Associate Professor in the department of EEE attended a workshop on “Professional Advancement Program” under SERB Power Grant organised at Doon University, Dehradun.
- ❖ Dr.S.B. Bhanu Prashanth, Professor and Dr. Abhishek Appaji, Associate Professor in the department of Medical Electronics of the college were invited to deliver expert talks on “Writing Competitive Research Grant Proposals” organised at the department of EIE, BIT, Bangalore.



June 3rd, 2022

- ❖ The Biotechnology department of the college organised a visit to 'NEUROPATHOLOGY BRAIN MUSEUM' at NIMHANS, Bengaluru for the benefit of the 6th semester BE students in the department. Dr.Savithri Bhat, Professor Dr. Divijendranatha Reddy, Associate Professor and Dr. Rashmi S Shenoy Assistant Professor from the Department coordinated the visit.



- ❖ Dr B Kanmani, presented her book on, 'Effective Implementation of OBE leading to accreditation' to Prof. V.S.S. Kumar, Chairman, National Institute of Technical Teachers Training and Research (NITTTR), Chennai.



- ❖ Dr.C.Gururaj, Assistant Professor in the Dept. of Electronics and Telecommunication was invited as



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Session Chair for the IEEE International Conference on Engineering Innovation, organised at Jain Institute of Technology, Davanagere.

- ❖ Dr. S. M. Suresh, Professor in the Department of Mechanical Engineering attended meeting at Indian Institute of Engineering Science & Technology, Shibpur, Kolkata as Expert Committee Member for the implementation of 4-tier pay structure of faculty members.
- ❖ Ms.Swathi Wadavi M. and Mr.Vinay Chegu Bhoomika, 4th semester students of Chemical Engineering under the guidance of Dr. Sainath K, Assistant Professor in the department presented a paper titled '*Synthesis and Characterization of Zeolitic Imidazolate Frameworks-8/Graphene Oxide Nanohybrids*', at the 5th National Level Technical Symposium ALCHEMIST-2022 (Data Science for Chemical Engineers), organized by KLE Technological University, Belagavi and received best paper presentation award.
- ❖ Mr.Anirudh J. Shreevatsa, Mr.Mukka Venkata Sathya Saish, Ms.Sakina Lokhandwala and Ms.Manali R. Ghodke, 8th semester students of Chemical Engineering under the guidance of Dr.Y.K. Suneetha,HOD, presented a paper titled '*Preparation of Nanochitosan and Modified Chitosan for Adsorption Studies*' at the 5th National Level Technical Symposium ALCHEMIST-2022 (Data

Science for Chemical Engineers), organized by KLE Technological University, Belagavi and secured 3rd position in the paper presentation.

- ❖ Badminton Women team of the college were the winners & Basketball – Women team were the Runners in “Momentum – 2022”, Sports Extravaganza organized by R V College of Engineering during 31st May - 03rd June 2022.



June 4th, 2022

- ❖ The Department of Electronics and Instrumentation Engineering & the department of Electronics & Telecommunication organized “Heartfulness Huddle”-community service in collaboration with



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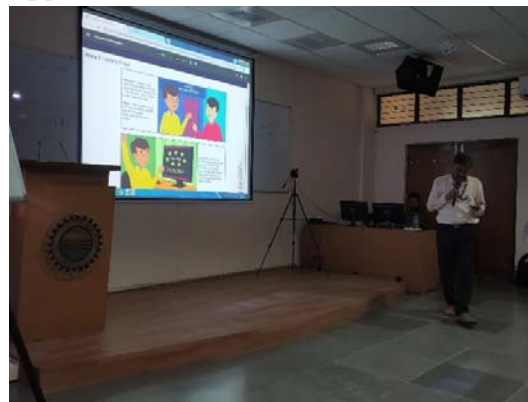
Heartfulness Institute at Center for Research, Education, Sadhana and Training (CREST) Bengaluru,



- ❖ The NSS volunteers of the college participated in 'Acer Ploggatan', organized by M/s Acer. The aim of this Ploggathon was to collect plastics, glass and other non-biodegradable wastes while jogging at places in and around Embassy Heights. The Chief Guest for the event was Sri.Ripudaman, Environmentalist and Social Activist.



- ❖ Department of Computer Applications in association with Department of Civil Engineering organized a Cyber Jaagrookta Webinar on "Cyber Crime and Cyber Security Awareness for Youth" by Dr. Manish Kumar, Assistant Professor, Department of Computer Applications, M S Ramaiah Institute of Technology, Bangalore. The event was coordinated by Sri. Girish K and Smt. V. Padmapriya, Assistant Professors in the Department of Computer Applications.





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- ❖ Yoga Gangothri trust in association with the Department of Physical Education and Sports Science of the college conducted Yoga Competition at Indoor stadium of the college on the occasion of International Yoga Day.

June 5th, 2022

- ❖ The NSS volunteers of the college participated in the plantation drive on Sunday called, 'Green Sunday' organised by Adamyia Chethana.



- ❖ On account of World Environment Day, the NSS Unit of BMSCE organized a plantation drive in the college campus.



June 6th, 2022

- ❖ Department of Physical Education and Sports Science organized “State Level VTU Tug-of-War Competition for Men 2021-22” during June 6th-7th, 2022. The Guest of Honour for the event, Dr. Muniraju S, Assistant Director of Physical Education & Sports, Govt. SKSJ Technological Institute (Kempegowda & Karnataka Educational Awardee) was felicitated.





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EEE were the co-ordinators. The faculty members of the college, Dr.A.N.Nagashree, Dr.V.Champa, Dr.M.S.Suma, Dr.Jyothi S.Nayak, Smt.Namratha M. & Dr.Venkata Madhav Ram Tatabhatla along with external experts, Dr. S. Moorthi from NIT Trichy, Mr Chandrasekhar V Patil, an industry expert from CISCO Systems, Bangalore, Dr. Pawan Dubey & Dr Nidhi Saxena from MITS, Gwalior, Dr KS Venkatesh from IIT Kanpur, Dr Madhura Shivaraju from Infosys technologies, London etc., handled the sessions.

- ❖ Dr.Venkatesh Boddapati, Assistant Professor in the Department of Electrical and Electronics Engineering published a paper titled, “Design and prospective assessment of a hybrid energy-based Electric Vehicle Charging Station” in Sustainable Energy Technology assessment journal published by Elsevier and indexed in SCI with 5.353 impact factor.
- ❖ The two weeks value added course on “VLSI, Verilog and Image processing” was organized by the department of Electrical and Electronics Engineering in collaboration with EEE Association for the benefit of UG & PG students. 64 students enrolled for the course. Dr.V.Champa, Associate Professor and Dr. Venkata Madhava Ram Tatabhatla, Assistant Professor in the department of



- ❖ The NSS & NCC units of the college hosted the 'Yoga Week' wherein expert trainer, Sri. Shriyans Navalgund guided students to perform various asanas. The sessions were conducted in the mornings and the students were also apprised about the benefits of the asanas they were performing.





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June 7th, 2022

- ❖ Dr.S.B. Bhanu Prashanth, Professor in the department of Medical Electronics and his research scholar, Mrs. Sujaya B.L published a research article titled, “Design and performance analysis of human body communication digital transceiver for wireless body area network applications” in the International Journal of Electrical and Computer Engineering (IJECE), Vol. 12, No. 3, June 2022, pp. 2206~2213.

June 8th, 2022

- ❖ Smt. Pushpa T S, Assistant Professor, in the Department of Computer Applications recognized as an "NPTEL Star"- "NPTEL_DOMAIN_SCHOLARS" in programming domain of Computer Science discipline.
<https://nptel.ac.in/nptelstars/domainscholars>
- ❖ Dr.S.B. Bhanu Prashanth, Professor in Medical Electronics attended the

meetings of the Advisory board of the EEE and ECE departments of CMRIT, Bangalore as a member of the said Advisory Board.

- ❖ The Department of Medical Electronics Engineering and BMSCE IEEE Students' Branch in collaboration with VI Solutions, Bengaluru conducted a 3-day hands on training Workshop on NI LabVIEW & Hardware Platform during June 8-10,2022 .



June 9th, 2022

- ❖ Dr. Veena M.B, Associate Professor in the Department of Electronics and Communication Engineering along with M.Tech student, Mr. Ravi N., presented a research paper titled, “Design of an Efficient ALU Blocks in Quantum Dot Cellular Automata” in the International conference on ‘Intelligent engineering approach (ICIEA-2022)’ and the same has been published in Global transition proceedings, in association with Science Direct.



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- ❖ The Mechanical Engineering Association (M.E.A) of Department of Mechanical Engineering organised an online expert lecture on “Nano Composites for Biomedical Device Applications” by Prof. Kanagaraj S, Professor, Indian Institute of Technology, Guwahati
- ❖ The department of Chemical Engineering organized a guest lecture by Dr. Janhavi Raut, General Manager, Hindustan Unilever Limited, Bengaluru on ‘*Human, Microbe and soaps*’.



June 10th, 2022

- ❖ Dr. Vasundhara Patel K S, Professor in the Department of Electronics and Communication Engineering and Mrs. Tulasi Naga Jyothi Kolanti, Research Scholar in the department presented a research paper titled, “Design and Analysis of Quaternary GNR/FET Storage Cell” in the International Conference on Computational Electronics for Wireless Communications (ICCWC-2022) hosted by NIT Karnataka, Surathkal and the proceedings will be published in scopus indexed book series, “Lecture Notes in Network and Systems”.
- ❖ The Department of Civil Engineering in association with Indian Concrete Institute (ICI) conducted a National Seminar on "Role of Chemical and Mineral Admixtures in Producing Durable Concrete". The event was coordinated by Dr. Asha K, Assistant Professor in the department of Civil Engineering.
- ❖ The Department of Computer Science and Engineering in Association with BITES Bangalore, organized IBM Technology Talk Series on “Overview of Network Virtualization & Software Defined Networks”. Sri. Iyappa Swaminathan, Software Networking Strategist, IBM, Bangalore was the resource person. Smt. Madhavi R.P., Associate Professor and Smt. Saritha A N, Assistant Professor in the department coordinated the event. Dr.D.N.Sujatha, Professor in the department of MCA & Executive Director, BITES participated in the event. 60 UG students and 3 faculty members from CSE Dept., attended the talk in Offline mode and participants from IBM, BITES and other organizations joined in online mode.



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- ❖ The Department of Computer Science and Engineering in Association with CyberPeace foundation, New Delhi and TrueCaller organised launch programme of #TrueCybersafe in Karnataka at the college. Sri.Aviram Sharma, Hon'ble Trustee, BMSET, Sri.Purnendu Singh, Director, CyberPeace, Smt.. Pragya Misra, Director Truecaller, Dr.S.Muralidhara, Principal & Dr.Jyothi S.Nayak, HOD-CSE graced the occasion. The Faculty, Staff & students of the department of CSE participated in the event. Sri. Lohith J J, Assistant Professor in the department of CSE coordinated the programme.



- ❖ Dr. Rajeshwari Hegde, Professor in the department of Electronics and Telecommunication Engineering was

invited as a panel member for open viva voce at Mysore.



- ❖ Dr. Vardhaman S. Mudakappanavar, Associate Professor in the Department of Mechanical Engineering attended the BOE meeting at University Visvesvaraya College of Engineering, Bengaluru as an External Member to scrutinize Question Papers of M.Tech(Manufacturing Science and Engineering).
- ❖ “Quizophilia”, a quiz event for students of Chemical Engineering was organized by Dr.Y.K.Suneetha, HOD and Dr. Sainath K, Assistant Professor in the department of Chemical Engineering under the AIChE activity.





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June 11th, 2022

- ❖ Sri. Suresh from "SIWIN" Bengaluru, an alumnus of Department of Civil Engineering was invited by the Department of Civil Engineering for addressing the final year and pre-final year Civil Engineering students on Job opportunities in Water Proofing Industry as a part of Job training program. The event was co-ordinated by Dr. Geetha Kuntoji, Assistant Professor in the department.

in the department coordinated the event.



- ❖ Department of Electronics and Communication Engineering conducted an "Alumni Meet" and around 50 Alumni participated in the event. Dr. Siddappaji, HOD, Dept of ECE addressed the gathering. The possibilities of providing industry collaborated projects and internship for the students and also conduction of counselling & career improvement sessions for the students were discussed. The program was coordinated by Dr. Geetishree Mishra, Assistant Professor in the department.

- ❖ The NSS volunteers of the college participated in 'Green Sunday 337', plantation drive hosted by Adanya Chetana. The volunteers also installed a drip irrigation system and through that more than 200 saplings have been nourished and prepared to survive during the summer season. Volunteers learnt new techniques like mulching and understood the threat of summer for trees.

- ❖ The department of EEE in association with IEEE PES Bangalore Chapter and BMSCE IEEE PES Student Branch Chapter organised a tech talk on "Dynamic Modelling of Inverter Interfaced Generations" by Dr. Amritpal Singh, Director Enerzinx India Pvt. Ltd. Dr. Chandasree Das, Associate Professor





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June 13th, 2022

- ❖ Sri. Ramesh M Chalkapure, Assistant Professor in the Department of Mechanical Engineering attended a Professional Development Program on 'Critical Pedagogy' conducted by National Institute of Technical Teachers Training and Research, Chennai through online mode.
- ❖ Dr. R. N. Ravikumar, Associate Professor in the Department of Mechanical Engineering attended a Faculty Development Program on 'Numerical Simulation and Analysis with COSMOL Multiphysics' organized by SVERI's College of Engineering, Pandharpur.
- ❖ Dr. N. Sandeep Varma, Assistant Professor in the Department of Information Science and Engineering published a paper titled, "Data augmented Approach to Optimizing Asynchronous Actor-Critic Methods" in 2022 IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE). Electronic ISBN:978-1-6654-8316-2
- ❖ To commemorate 75 years of Indian Independence - Azadi ka Amrut Mahotsav and to encourage people and inform them regarding the health benefits of cycling, Namma Nimma Cycle Foundation, Department of Youth empowerment and Sports and the Government of Karnataka had organized

a bicycle ride event called "Lead Bengaluru Ride". The NSS volunteers of the college participated in the event.



June 14th, 2022

- ❖ Dr H N Suma, Dean(Innovation) Participated as a Speaker at "Women In Tech Ignite Session" at Mathworks Advisory Board organized by Mathworks

June 15th, 2022

- ❖ A meeting of the HODs & coordinators was conducted towards discussing about preparations for Graduation Day .





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- ❖ OBE workshop was conducted during June 15-16, 2022 for the recently joined faculty members of the college. The OBE experts in the college conducted the sessions.



- ❖ Dr. Supriya S, Assistant Professor in the department of Chemistry published an article titled, "Fast and effective removal of textile dyes from the wastewater using reusable porous nano-carbons: a study on adsorptive parameters and isotherms" in the journal, "Environmental Science and Pollution Research" Page number 1-15. Impact factor: 5.19. DOI: <https://doi.org/10.1007/s11356-022-21251-5>

- ❖ Dr. Nishitha, Asst. Professor in the dept. of Mathematics and Humanities, was awarded Ph.D from Mangalore University in "English" for her thesis titled, "Transgressions and Transformations in the Twentieth Century Indian Women's Autobiography: A Comparative Study of Indian English and Regional Autobiographies".

June 16th, 2022

- ❖ Dr Poornima G, Associate Professor in the Department of Electronics and Communication Engineering was invited to handle a session on "Discovering your Career Path" in the Mentorship Program Session 6 conducted by Freedom Employability Academy, to Empower Disadvantaged Youth from Gorakhpur-Rustampur.



- ❖ The Departments of ETE, IEM & Chemical Engineering successfully submitted their Self Assessment Report (SAR) to National Board of Accreditation (NBA) for Evaluation towards Accreditation.



- ❖ Ph.D viva voce of Mrs. Deepika B. V., Research Scholar under the guidance of



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Dr. C R Ramakrishnaiah, Professor, Dept. of Civil Engineering was conducted.

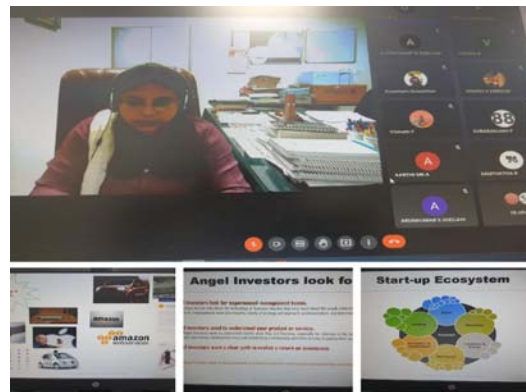
June 17th, 2022

- ❖ Smt. Prathima B, Assistant Professor in the department of Civil Engineering was invited as Resource Person to deliver a lecture on "Soil Pollution and its remediation including source apportionment studies" to newly recruited Environmental Engineers for KSPCB. This talk was organised as part of their training programme by ATI and SIUD, Mysore.



- ❖ Dr. Srinidhi M., Assistant Professor in the Department of Chemistry in association with Dr. Kiran Bailey, Assistant Professor and Smt. K.Sujatha, Associate professor in the Department of ECE published an Indian Patent. Title of the Patent is "System and Method for Managing waste, Application no. 202241034113 A, Publication date: 17/06/2022.
- ❖ Dr Poornima G, Associate Professor in the department of Electronics and

Communication Engineering was invited to handle a webinar session on "Angel Investment / VC funding opportunity for Early Stage Entrepreneurs" organised by IIC, Karpagam Institute of Technology, Coimbatore.



- ❖ Smt. K.Sujatha, Associate Professor & Dr.Kiran Bailey, Assistant Professor in the department of Electronics and Communication Engineering, Dr.Srinidhi M, Assistant Professor in the Department of Chemistry along with Prof. S.A. Shivashankar, Professor-Emeritus in CeNSE- IISc, published a research paper titled, "Nanocrystalline Spinel CoFe₂O₄ Thin Films Deposited via Microwave-assisted Process for Sensing Application" in the Journal of Electronic Materials - Springer Web of Science, Q2 Journal.
- ❖ Dr. Prema V, Associate Professor in the Department of EEE along with Dr. Anil Chandra A R and Dr. Suhas B.G, Assistant Professors in the Department of Mechanical Engineering, PG students, Mr.Manoj Kumar S and Mr.B.S.Deepak



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Sagar published a paper titled, “Modelling and Simulation of Bifurcated Winding Induction Generator using 3D EXPERIENCE”, at IEEE 4th Global Power, Energy and Communication Conference (IEEE GPECOM 2022) held during June 14-17 2022 at Cappadocia, Turkey.

- ❖ Sri. Yogesh N., Assistant Professor in the Department of Information Science and Engineering published an article titled, “Recursive Feature Elimination Technique for Technical Indicators Selection” as a chapter in the book titled, ‘Intelligent Systems and Pattern Recognition’, Springer Nature Switzerland AG 2022 A. Bennour et al. (Eds.): https://doi.org/10.1007/978-3-031-08277-1_12

- ❖ The NSS Unit of the college conducted paper bag making event under the aegis of the community service activities mandated by AICTE for the Induction Programme of the first year students. The first year student volunteers were taught how to make paper bags from newspapers by NSS volunteers with the help of the Fine Arts Club of the college. The students collectively made a whopping 1500 paper bags during this event. These paper bags will be distributed to street vendors at Gandhi Bazar promoting the idea of “No Plastic”.

- ❖ VTU inter collegiate Kho Kho Tournament for Men 2021-22 was conducted in the college during June 17th

-18th, 2022. Guests of Honour were Dr.Kumaraswamy, Member, VTU Sports & Cultural Committee and Physical Education Director, Don Bosco Institute of Technology and Ms. Kavya C, National Kho-Kho Player and an Alumnus of BMSCE. BMSCE Kho-Kho men team were the winners of the tournament.



- ❖ The Departments of Civil Engg & Mechanical Engineering successfully submitted their Self Assessment Report (SAR) to National Board of Accreditation (NBA) for Evaluation towards Accreditation.
- ❖ The students from the department of Chemical Engineering under the guidance of their faculty members, presented papers as mentioned below in



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5th National Level Student Symposium, 'Chemovation 2022', organized by Department of Chemical Engineering, Dayananda Sagar College of Engineering, Bengaluru in association with IChE-Bangalore Regional Centre.

(a) Mr. Parekh Aashi D. and Ms. Munukutla Shruthi, 4th-semester students under the guidance of Dr. Sainath K., presented a paper titled 'Methods of direct capture of CO₂ from air: A mini-review' and received 2nd best paper presentation award.

(b) Mr. Vishnu Tej, Ms. Sawmya Kumar and Mr. Vasu Vijay Singh, 8th semester students under the guidance of Dr. Samita Maitra presented a paper titled, 'A Comparative study on the synthesis of biodiesel from homogeneous and heterogeneous catalysts'.

(c) Mr. Mohammad Zubair, 6th semester student and 4th semester students, Ms. Sneha, and Mr. Prakhayat under the guidance of Smt. Shabnam Siddiqui, presented a paper titled, "Dispersion of MWCNTs in different solvents and Characterization" and secured 2nd place in the Paper presentation competition. The said students also presented a poster titled 'A study on curing time of polydimethylsiloxane reinforced with CNTs using microwave irradiation'.

(d) Ms. Lipitashree Jain and Ms. Chaithanya, 4th semester students under the guidance of Dr. Chetan A Nayak presented a paper titled 'Field assisted aqueous two-phase extraction'.

- ❖ Dr. Chetan A Nayak, Assistant Professor in the Department of Chemical Engineering of the college was invited as a jury member for paper presentation in National level students' symposium, "Chemovation 2022" conducted by the Department of Chemical Engineering, Dayananda Sagar College of Engineering, Bengaluru in association with IChE- Bangalore Regional Centre.



- ❖ Dr. Shivakumar R, Assistant Professor in the department of Chemical Engineering chaired a session in the IEEE world conference (virtually) on Applied Intelligence and computing (AIC-2022) organized by Rajkiya Engineering College, Sonbhadra, India in collaboration with Soft Computing Research Society during June 17-19, 2022.



June 18th, 2022

- ❖ Department of Computer Science and Engineering in collaboration with Protocol club conducted Open House - Project Poster Presentation and Demonstration by UG final year students. Industry experts, Sri. Arun S M, Staff Software Engineer, Walmart Global Tech, Bangalore and Sri. Ashish Shugani,



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Software Development Engineer, Bangalore evaluated the projects.



❖ The Self Assessment Reports (SARs) for Evaluation towards the Accreditation in respect of M.Tech(VLSI & Embedded Systems) & MBA were submitted to National Board of Accreditation (NBA).

❖ Department of ISE organised Project Open Day 2022, an Exhibition of Technical projects by final year students.



❖ Dr. Vasundhara Patel K S, Professor in the department of Electronics and Communication Engineering was invited as Project Evaluator for Intercollegiate Project Expo “SILICONS” conducted by Dept. of ECE, RNS Institute of Technology, Bangalore.



❖ Dr. Rajeshwari Hegde, Professor in the department of Electronics and Telecommunication Engineering was invited as a member to BoS at the Department of Electronics and Telecommunication Engineering, SSIT, Tumkur.



❖ ‘DYNAMECH-2022’, Annual event of the department of Mechanical Engineering was organized under Mechanical Engineering Association. Various activities such as volley ball, throw ball, cricket & football matches were conducted for the students & faculties. Quiz, Mechathon, Treasure hunt & Mech Tank were conducted



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for the students. Mech Tank was an event where mechanical students came up with their startup idea.



- ❖ Dept. of ISE organized a 36-hour-long national-level hackathon titled “GirlGeeksHack 2022” in collaboration

with IEEE Computer Society, Bangalore Chapter.



- ❖ Mr. Ayush Sharma, Student of 4th Semester, Department of Machine learning secured first place in 36 hours intercollegiate hackathon conducted during June 18-19, 2022 by IEEE computer society, BMSCE and Bangalore chapter in association with Department of ISE at BMSCE campus for the Theme: "AI for social good". The chapter Advisor, Dr.N. Sandeep Varma, Assistant Professor in the Department of Information Science and Engineering felicitated the student.



- ❖ A book chapter titled, “COVID-19 and its impact on cancer, HIV and mentally ill patients” jointly authored by students, Mr.Avinash Arvind Rasalkar, Ms.Saloni Bhatia, Ms.Teesta Katte, Ms.Sarina Kabade, Mr. Ram N. Manas, and Assistant Professors, Smt.Prathibha N, Smt.Saisha



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Vinjamuri, Sri. S.Ashok Kumar from the department of BioTechnology, Dr.Vijayakumar K, Associate Professor in the department of MCA and Dr. Divijendra Natha Reddy, Associate Professor in the department of BT has been published in the book, “Lessons from COVID-19”, Academic Press, Elsevier publishers, June 2022, Pages 95-137, ISBN 9780323998789.

June 19th, 2022

- ❖ The NSS volunteers of the college participated in 'Green Sunday 337', a plantation drive organised by Adamyia Chetana Foundation.
- ❖ Dr.S.B. Bhanu Prashanth, Professor in Medical Electronics was invited to deliver a talk on “Qualities of Great Engineers”, to the students and faculty of the department of ECE, Sharanabasava University, Kalaburagi.



- ❖ BMSCE Kho-Kho men team were Runners in VTU Inter Zone Kho-Kho

tournament held at GMIT, Davanagere during June 19th -20th, 2022.



June 20th, 2022

The protocol Club, Department of Computer Science and Engineering organized a technical workshop on “Back end web development” on 20th, 21st, 27th and 28th June 2022. Mr.Kalle Venkata Sravan Dhira, a third year CSE student of the college conducted the event. Dr.Asha G R, Assistant Professor, in CSE department coordinated the event.





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- ❖ Dr. Umavathi M, Assistant Professor in the Department of Electrical & Electronics Engineering published a Paper in Elsevier Journal, Materials today : Proceedings, Titled : “Development of a PMSM Motor Field-Oriented Control Algorithm for Electrical Vehicles”.
<https://doi.org/10.1016/j.matpr.2022.06.080>

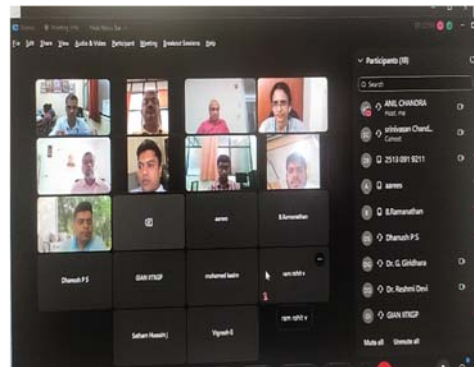
<https://www.youtube.com/watch?v=fb2BOyPMPyM&t=125s>



- ❖ The students of Dept. of Electronics and Telecommunication, Mr. Shashank C, Mr. Gagan M, Mr. Mohith M and Mr. Sri Krishna won the 2nd Runner's up position with a cash prize of Rs.15,000 at the DREAMS - HACK 2022, National level project competition held at BMSIT, Bengaluru. The project was guided by Dr. C. Gururaj, Faculty Dept. of Electronics and Telecommunication.



- ❖ One-week GIAN Course on “Engineering Measurements and Metrology” was conducted in Virtual Mode. Dr. S. Chandrashekar, Professor, Industrial Engineering & Materials, Purdue University was the expert from foreign University. Dr. Anilchandra A. R. and Dr. Shivashankar R. Srivatsa, Assistant Professors in Department of Mechanical Engineering were the Host-faculty and coordinators of the event.



- ❖ Dr. S.B. Bhanu Prashanth, Professor in Medical Electronics was invited to participate in an interview for the ANTARVANI 90.8 FM Community Radio Station of the Sharanabasava University, Kalaburagi.

- ❖ The Assistant Professors from the dept. of Mechanical Engineering, Dr. H.R. Prakash & Dr. Ram Rohit attended the said GIAN Program.



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June 21st, 2022

- ❖ The Principal attended the online AICTE Expert Visit Committee (EVC) meeting conducted to verify the availability of Infrastructural facilities and other facilities with respect to the norms specified in the Approval Process Handbook.



- ❖ Dr. Srinidhi M, Assistant Professor in the Department of Chemistry published a research paper titled, "Nanocrystalline Spinel CoFe_2O_4 Thin Films Deposited via Microwave-assisted Process for Sensing Application" in the Journal of Electronic Materials - Springer, Impact factor 1.97, Web of science. Q2 Journal.
- ❖ Dr. M S Dharmaprakash, Professor and Head, Department of Chemistry and Dr. Manjunatha S, Assistant Professor in the department published an article titled, " Microwave assisted synthesis, photoluminescence and X-ray/gamma ray absorption properties of red $\text{CaZrO}_3:\text{Eu}^{3+}$ perovskite" in the journal

of Solid-State Chemistry 2022, 313, 123245.

- ❖ Dr. Malini S, Assistant Professor in the Department of Chemistry published a book titled, "Chemistry of Engineering materials" by CBS publishers. The book has been written for BE, BTech, and MTech students of all Indian universities.
- ❖ Department of Electronics and Communication Engineering in association with SM Electronic Technologies Pvt. Ltd., organized a 5-days Faculty Development Program on "Embedded Systems & their Applications" during June 21-25, 2022. The resource persons for the FDP were from SM Electronic Technologies Pvt. Ltd., and Dr. K P Lakshmi, Professor & Dr. Geetishree Mishra, Assistant Professor in the Dept. of ECE. The FDP was coordinated by Dr. K P Lakshmi, Dr. Geetishree Mishra, Smt. Jyothi Ravikumar and Smt. Radha R C., Assistant Professor in the department.





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❖ The IV sem Electronics and Instrumentation Engineering students visited the National Institute of Mental Health and Neuro-Sciences (NIMHANS) Bengaluru. Sri. Kumar D. and Sri. K. T. Krishnamurthy, Assistant Professors in the department coordinated the event.



Reddy, Director, Department of Physical Education graced the occasion.



❖ The Department of Physical Education, BMSCE yoga team (samyama), NCC & NSS Units of the college organised an event on the occasion of 8th International Yoga day. 125 participants consisting of Faculty, Staff and the students participated with great enthusiasm. The Guests of Honor for the event, Ms. Raksha Bhide, Yoga Therapist & Research Assistant, NIMHANS and Dr. Rajeshwari Hegde, Professor, Department of Electronics and telecommunication were felicitated during the event. Dr.S.Muralidhara, Principal, Dr. Sujatha N., NSS program officer and Dr. Shivaram





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- ❖ Department of Medical Electronics organised a Talk on Yoga for the benefit of faculty, staff and students on the occasion of International Yoga Day. Smt.MEENAKSHI K S, BODY, MIND and SOUL Coach was the resource person.



- ❖ The Department of Mathematics & Humanities organised the National Level Conference on “ತಾಂತ್ರಿಕ ಶಿಕ್ಷಣದಲ್ಲಿ ಕನ್ನಡ ಸಾಹಿತ್ಯ ಅಧ್ಯಯನದ ಅಗತ್ಯತೆ” on 21st & 22nd June 2022. The Guests of Honor for the Inaugural function was Dr.B.V. Vasantha Kumar, President of Karnataka Sahitya Academy & Prof. Byramangala Ramegowdru, President of B M Shri Prathistana. Dr. Veena Jawali, HOD, Dr.Gayathri M.S., Dr. Dhananjai H N & Mrs. Sheeba N., Assistant Professors in the department coordinated the event.



June 22nd, 2022

- ❖ BMSCE Chess men & women teams were the Winners & Runners respectively in the VTU Inter Collegiate Bengaluru Central Zone Chess Tournament (Men & Women) 2021-22 held at The Oxford College of Engineering.



- ❖ BMSCE IEEE PELS & IES Student Branch Chapter was inaugurated .





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June 23rd, 2022

- ❖ A paper titled, “Minimum device usages of field programmable gate array (FPGA) verification of multilevel PWM inverter drive generation” published by Dr.Umavathi M, Assistant Professor in the department of Electrical and Electronics was indexed in Scopus (Elsevier) Materials today : Proceedings <https://doi.org/10.1016/j.matpr.2022.06.204>
- ❖ Aerospace department organised a Guest Lecture on “eVTOLs: The Future for air Transportation and Research Opportunities” by Prof. Ramesh Gupta, IISc.
- ❖ Dr. Chandasree Das, Associate Professor in the department of EEE inaugurated PES Day 2022 celebration at the college Campus organized by BMSCE IEEE PES Student Branch Chapter.



- ❖ Sri. Rahul R and Dr. Chandra Shekara G, Assistant Professors in the department

of Mathematics published a research paper titled, “Machine Learning Approach for Cardiovascular Risk and Coronary artery Calcification Score” in the journal of Bio Med Research international, vol. 2022, Web of Science Q2, Impact factor 3.411. <https://doi.org/10.1155/2022/2632770>.

- ❖ The students from the department of Chemical Engineering under the guidance of their teacher, presented papers as mentioned below in the National level students’ technical symposium, “BioChess” conducted by Department of Chemical Engineering, Siddaganga Institute of Technology, Tumakuru.

- (a) Mr Hemanth, Mr Gurudatt, Mr Anirudh Gudi, and Mr Abhishek K, 8th semester students under the guidance of Dr. Chetan A Nayak presented a paper.
- (b) Mr. Mohammad Zubair, 6th semester student and 4th semester students, Ms.Sneha, and Mr Prakhyyat under the guidance of Smt. Shabnam Siddiqui, presented a paper titled, “A study of stability of MWCNTs in different solvents for the preparation of 3D printable ink” and received best paper presentation award .

June 24th, 2022

- ❖ Dr. N.Sujatha, Assistant Professor in the department of Mathematics presented a research paper titled, "A Study on Heat and Mass Transfer Characteristics



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- of Oberbeck Convection in a Chiral Fluid Saturated Porous Layer in the Presence of Chemical Reaction" in an International conference on Recent Developments in Mechanical Engineering (ICRDME) held at Siddaganga Institute of Technology, Tumakur during June 24-25, 2022.
- ❖ Sri. Chethana K Y., Assistant professor in the department of Aerospace Engineering & Dr. Rammohan Y S, HOD, Aerospace Engineering along with faculty members from another institution presented the following papers in the ICRDME-2022 organized at Siddaganga Institute of Technology during June 24-25, 2022.
 - (i) Paper titled, 'Effect of Triggering Mechanism & variable strain rates on energy absorption of glass fiber reinforced polymer tubes under Quasi static compression.
 - (ii) Effect of reinforcement of graphene hydroxyl on Tribological behaviour of aluminium 6061 composites
 - ❖ Department of Computer Science and Engineering in Association with IIC, BMSCE, organized a Talk On "Entrepreneur – A Job Creator" for the 6th Semester students. This was conducted as part of their course on Management and Entrepreneurship. Sri.Sreedhara K S, Director, Daksha Synergy Pvt Ltd, Bangalore, was invited as the resource person.
 - ❖ UG students of the department of Mechanical Engineering under the guidance of Dr. Venkatesh T Lamani, Assistant Professor in the Department presented papers as mentioned below in the National level student project exhibition and competition (AVISKAR-2022) organized by NITTE-Bengaluru.
 - (i) Mr. Jawwad Hussain S, Mr. Nachiketa G, Mr. Nagaraj M & Mr. Premsagar R presented paper titled, 'IOT implemented biogas upgradation using'.
 - (ii) Mr. G Naveenkumar, Mr. Kanthraju T N, Mr. Vishnu S. & Mr. Bharat Reddy presented paper titled, 'Heat Transfer Characteristics of tubes immersed in fluid flow'.
 - ❖ The VI semester students in the department of Electronics and Instrumentation Engineering visited Stellapps Technologies Pvt. Ltd., and National Institute of Mental Health and Neuro-Sciences (NIMHANS) Bengaluru. Dr. Santhosh .R. Desai, HOD-EI, Smt. Preethi K. Mane, Associate Professor and Sri. Kumar D. Assistant Professor in the department coordinated the event.
 - ❖ Ms. Vemana A & Ms. Mahima M.P, students of Dept. of Electronics and Telecommunication, under the guidance of Dr. C. Gururaj, Assistant Professor in the Dept., presented their work titled, "Optimal Evaluation and Detection of Alzheimer's", in the IEEE International Conference on Intelligent



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Technologies (CONIT- 2022), conducted at KLE Institute of Technology, Hubballi during June 24 – 26, 2022.

- ❖ The NSS Unit of the college in collaboration with BMSCE IEEE PES conducted an event called 'Eco-Mobility' on the occasion of PES DAY to spread awareness regarding the environmental pollution caused by scooters/cars and encouraging the students to either walk or cycle to college.



June 25th, 2022

- ❖ BMSCE men & women Chess team were the VTU Inter Zone Champions in the tournaments held at SJMIT, Chitradurga on 25th & 26th June 2022.



- ❖ The Senior Core Member Recruitment process for <CodeIO/> Club of Department of CSE was conducted and the final selection was done with the consent of Dr. Jyothi S Nayak, Head of Department of CSE along with Smt.Namratha M, Faculty Coordinator for <CodeIO/>.



- ❖ Sri. Chethana K Y, Assistant Professor in the department of Aerospace Engineering along with the students in the department, Ms.K.M.Sanjana, Ms.Pragathi S., Mr.Rohit Subhash, Ms.Nivedita Patil, Mr.Shriyans N., Mr.Hitesh N., Ms.Manasi Mahohar, Mr.Shashank T.K & Mr.Ranjith A.V., participated in AeroTHON 2022 – Phase 1 representing a team, “The Godwit”.
- ❖ Dr. Vasundhara Patel K S, Professor in the Department of Electronics and Communication Engineering and



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Smt.Tulasi Naga Jyothi Kolanti, Research Scholar in the department presented a research paper titled, “An Efficient Design of GNRFET Based Quaternary Logic Gates” in the International Conference for Intelligent Technologies 2022 (2nd CONIT 2022 HYBRID) hosted by K. L. E. Institute of Technology, Hubballi, Karnataka, India.



- ❖ Dr. S. Srinivas, Professor, Department of Mechanical Engineering chaired a session during the International Conference on Recent Developments in Mechanical Engineering (ICRDME 2022) organized by Siddaganga Institute of Technology, Tumakuru.



- ❖ Department of Industrial Engineering & Management in association with Indian Institute of Industrial Engineering and Quality Circle Forum of India Bengaluru Chapter conducted seminar on “KARAKURI- LOW-COST AUTOMATION” with a theme of “Embracing Low cost OR No cost automation through KARAKURI KAIZEN”.



- ❖ Dr. Prema V., Associate Professor and Ms. Chaitanya L, Assistant Professor in the department of EEE were invited as Guests of Honour for the inaugural function of VVCE IEEE PELS Student Branch Chapter and judges for the project expo organized on the occasion of PELS Day celebration at Vidyavardhaka College of Engineering, Mysuru.

- ❖ Department of Industrial Engineering & Management organized Industrial Engineering Club (INDEC) fest – 2022. Dr. Ramesh K T, Assistant Professor coordinated the event. Merit-cum-means scholarships from the department were awarded to Mr.Umesh, IV semester and Mr. Rajesh C, VI semester student. Also, awards were given to winners and runners of



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sports events organized under INDEC. INDEC Magazine was released & Cultural events were performed by IEM students .



previous committee members headed by Dr.Samita Maitra. The members deliberated about the various activities of the cell.



- ❖ Prof. P. Suresh presented his PhD final defense under the guidance of Dr.Radhika K. R., Professor in the Department of Information Science and Engineering.

- ❖ The NSS volunteers of the college participated in the 'Green Sunday 339', plantation drive, hosted by Adamya Chetana Foundation. The event took place at Bangalore University NGEF BioPark



June 26th, 2022

- ❖ The re-constituted Women's cell convened a meeting along with the

- ❖ Karnataka State Excise Department organised an event, walk while spreading awareness about drugs. The event was flagged off from Kanteerava



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Stadium which attracted 1063 participants from across various institutions. NSS volunteers from the college also participated in large number in the event.



- ❖ Department of Physical Education & Sports Science organised Inter Year Sports Competitions for the students of the college in Volleyball–Men, Football–Men, Throwball–Women, Badminton–Men & women and Tug-of-War–Men & Women during June 27-30,2022.



June 27th, 2022

- ❖ Dr.S.B. Bhanu Prashanth, Professor in the department of Medical Electronics was invited to deliver a keynote speech in the valedictory session of the workshop on “ARM Cortex M3 – Embedded Applications”, by the Department of EIE, Dayananda Sagar College of Engineering, Bangalore.





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Education for Technical Undergraduate Programs” in a book titled, ‘Development of Employability Skills through Pragmatic Assessment of Student Learning Outcomes’. Pages 56-71 eISSN: 2327-6991. June 2022, Publisher: IGI Global

- ❖ Department of Biotechnology organised an exhibition on the occasion of 'World Microbiome Day' where the visitors witnessed a visual glimpse of the Microbial world. Faculty & students from various departments visited the exhibition and got an awareness about the world of microorganisms which we come across in our day-to-day life. Sri.Pradeep S., Assistant Professor & Dr.Chandraprasad M.S., HOD-BT coordinated the event.
- ❖ The project work done by the Bio Technology students, Ms.Aditi Prasad, Ms.Sruthi.S.S Kumar & Ms. Vaishnavi. A under the guidance of Dr.Saisha Vinjamuri , Asst. Professor, Dept. of Biotechnology, Dr.Jisha, Asst. Professor, Dept. of Medical Electronics & Dr.M.S.Suma, Professor, Dept. of Medical Electronics was filed for a provisional patent titled, "Diagnostic kit for detection of cervical cancer" (Appl.No.202241036597) .
- ❖ Dr.Divijendranatha Reddy S., Associate Professor, Dr.Saisha Vinjamuri & Smt.Prathibha N., Assistant Professors in the department of Biotechnology published a book chapter titled, “Assessment & Attainment of Student Learning Outcomes in Outcome-Based
- ❖ The dept. of Biotechnology organised an Open house wherein the projects of 8th semester students were showcased. The students exhibited working models and posters related to their project work. Dr.Saisha Vinjamuri, Assistant Professor





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& Dr. Chandraprasad M.S., HOD- BT coordinated the event.



❖ Mr.Parjanya Modi, Mr.Matam Vijayeshjeevan, Mr.Khushil M Sindhwad and Mr.Nithin C, 6th semester students of the department of Computer Science and Mr.Pranava Adiga, a 6th semester student of the department of Information Science developed and deployed a Website (<https://prathibhotsava.bmsce.in>) and a Registration Portal. (<https://registration.prathibhotsava.in/>) towards 21st VTU Fest, 'PRATHIBHOTSAVA' hosted by the college.

❖ Dr. Vardhaman S Mudakappanavar, Associate Professor in the Department of Mechanical Engineering participated in DST-SERB sponsored Workshop on 'Machine Learning Concepts for Modeling and Control of Nonlinear Systems' organized by Manipal Institute of Technology, Manipal during June 27-29, 2022.



❖ Sri. Shridhar, Assistant Professor in the department of MBA was invited to host a quiz event, ANVESHA 2022, organized by the National Statistical Office, Bengaluru sponsored by the Govt. of India. This event was organised as a part of 'Azadi ka Amrit Mahotsav' to commemorate the 75 years of India's Independence.



❖ Department of Computer Science & Engineering in association with <CodeIO/> conducted a 3-day workshop on "Effective Literature Review, making presentations and Report Writing using Latex" for 4th and 6th semester UG students. The resource persons for the workshop were Dr.Jyothi S Nayak, HOD-CSE, Dr.Rajeshwari B S & Smt.Namratha M., Assistant Professors in the department.





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- ❖ Ms. Rakshitha, 6th Semester student of the Department of Electronics and Communication Engineering participated in 23rd VTU Inter-Collegiate Meet 2021-22 and secured “1st Place” in “10,000 meters Run Women” event held at SJC Institute of Technology, Chickballapur. Dr.Siddappaji, HOD-ECE felicitated the student.



- ❖ Dr. Sudhindra K R, Associate Professor in the Department of Electronics and Communication Engineering published a paper titled, “Temporal Variability of PM2.5 its Possible Sources at The Tropical Megacity, Bengaluru, India” in Springer publication.

June 28th, 2022

- ❖ Meeting of Deans & HODs was conducted to discuss about various academic issues.
- ❖ BMSCE Kho-Kho men team secured Runners-up position in “SPORTSTAKES 2022” organized by St. Joseph College .



- ❖ BMSCE Basketball men-women & Kabaddi – women teams secured Runners-up position in “SPORTSTAKES 2022” organized by St. Joseph College .



- ❖ AQUILA club - Department of Aerospace Engineering organized 2 days Composite Hands-On Workshop for 6th Semester Aerospace Engineering students during June 28 – 29, 2022. Dr. Chethana K Y, Assistant Professor in the Dept. of Aerospace Engg was the resource person.





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June 29th, 2022

- ❖ Department of ISE coordinated the FAREWELL FUNCTION 2022 for the Class of 2022 UG & PG Students of the college. Photo session was conducted for all PG & UG students followed by a Farewell Function in Indoor stadium. Sri.Gadhadar Reddy, CEO of NoPo Nanotechnologies, was the Chief Guest for the function.



- ❖ Department of Computer Science & Engineering organized a Farewell function for the UG and PG students of the department graduating in the year 2022.



- ❖ Sri. G. Karthick, Assistant Professor in the Department of Mechanical Engineering participated in 3-day Conference 'ME@75: Research Frontiers' at Indian Institute of Science, Bengaluru.

June 30th, 2022

- ❖ Smt. Pushpa T S & Smt.Shailaja K P, Assistant Professors in the department of MCA along with the students, Mr. K E Krishna Prasad and Mr.Karthik G Dath jointly authored a research paper titled, "IoT Weather Forecasting using AR Model". The said paper was presented by Mr.K E Krishna Prasad and Mr.Karthik G Dath in the National Conference on Computing Technology (NCCT 2022) organized at RNS Institute of Technology, Bengaluru.



- ❖ A meeting of the Principal, Vice Principals, Deans & HODs was conducted to discuss about various academic activities of the college.
- ❖ Women's Cell of the college in association with CyberPeace Foundation



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(www.cyberpeace.org) conducted an Online Safety Program, #TrueCyberSafe. Around 25 faculty members of the college attended the program. The online program was organised to create awareness about internet safety, by training people to help them in developing the requisite skills to have a safe digital experience and aiding them in nurturing the faculties of critical thinking and empathy.

- ❖ Department of Chemical Engineering organized a guest lecture on “*Nano Science and Shock Waves in Biotechnology Applications*” by Dr H. K. T. Kumar, a retired Professor from SIT Tumakuru. Experiments using shock wave technology were demonstrated in the lab.

