



B.M.S. COLLEGE OF ENGINEERING, BENGALURU
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REPORT ON COLLEGE ACTIVITIES – AUGUST 2021

August 1, 2021: Dr.M.V.Murugendrappa, Head, Department of Physics published research paper titled “Investigation of temperature-dependent conduction mechanism in $MnCo_2O_4$ / polypyrrole nanocomposites by three-dimensional variable range hopping (3D-VRH) and band-conduction model” in the Journal of Applied Physics. Q2 journal with impact factor 2.546, Vol. No 130, Page No. 015112-1 to 015112-10 (2021), <https://doi.org/10.1063/5.0039671>.

August 1, 2021: Dr.B.Kanmani, Professor & Head, Department of Electronics & Telecommunication Engineering published research paper titled “Design of IIR Filters from Wavelets: A comparative study” in IUP Journal of Electrical and Electronics Engineering, Jul 2021, Vol. 14 Issue 3, p 46-65. 20p.

August 1, 2021: Sri.B.Shreenivas, Faculty, Department of Electronics & Telecommunication Engineering published research paper titled “Framework for real time monitoring of battery performance in electric vehicles and locating charging facilities nearby” in International journal of engineering and advanced technology, ISSN: 2249-8958, VOLUME 10, ISSUE 6.

August 2, 2021: Department of Electronics & Telecommunication Engineering organized Five-Day Faculty Development Programme on “Smart City Solutions for Sustainable Future” funded by AICTE Training and Learning (ATAL) Academy from August 2-6, 2021.



August 3, 2021: Dr.M..K.Prasanna Kumar, Faculty, Department of Electronics & Telecommunication Engineering published research paper titled “Unsupervised speech separation by detecting speaker changeover points under single channel condition” in Springer Nature, an International Journal of Speech Technology, online first available at <https://doi.org/10.1007/s10772-021-09875-3>.

August 3, 2021: Department of Electronics & Telecommunication Engineering released Student Magazine Konnect 2021 by Class of 2021.

August 4, 2021: Aravindh R Shankar, Akshay Mittur and Krishnaprasad V. Under-Graduate students of Computer Science & Engineering were selected as one among the top 10 teams during the Amazon ML Challenge.

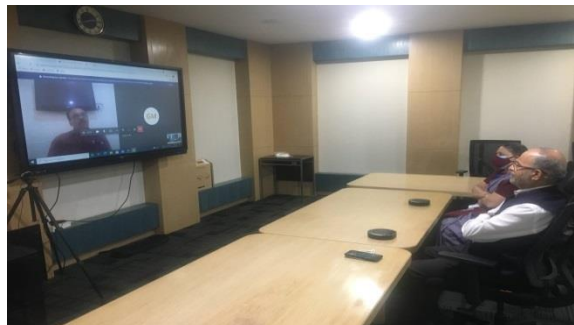




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August 5, 2021: Dr.B.V.Ravishankar, Principal and Dr.Managala Keshava were invited for mock review (online) of NAAC SSR by ATME College of Engineering, Mysuru.



August 5, 2021: Dr.V.Prema, Faculty, Department of Electrical & Electronics Engineering was invited to deliver a talk on “Application of AI for forecasting and MPPT of renewable energy” in the AICTE Sponsored (online) STTP on Application of Machine Learning and Artificial Intelligence Techniques for Control of Future Grid by NMAM Institute of Technology, Nitte, Mangaluru.

August 5, 2021: Sri.Venkatesh Boddapati, Faculty, Department of Electrical & Electronics Engineering **co-authored an article titled “Design and Feasibility Analysis of Hybrid Energy Based Electric Vehicle Charging Station” in Distributed generation and alternative energy Journal, ISSN:2156-3306.**

August 5, 2021: Department of Mathematics organized open seminar-2 in respect of Research Scholar and Faculty of the Department Sri.Anthony Christy Melson on his research work on “Oscillatory Convection and Heat Transport in Ferromagnetic Liquids” under the Guidance of Dr.G.N.Sekhar, Guide and Former Professor of the Department.

August 5, 2021: Dr.G.Chandra Shekara, Faculty, Department of Mathematics presented research paper titled “**Effect of oblique magnetic and electric fields on the Kelvin-Helmholtz instability at the interface between porous and fluid layers**” in the 4th International Conference on Mathematical Modelling, Applied Analysis and Computation (ICMMAAC-21) (Virtual Conference) organized by JECRC University, Jaipur held from August 5-7, 2021.

August 6, 2021: Department of Computer Science & Engineering conducted an Industrial visit (online) to Impelsys Technologies, Bengaluru for the students of 4th semester.

August 6, 2021: Dr.Rajeshwari Hegde and Dr.C.Gururaj, Faculty, Department of Electronics & Telecommunication Engineering were invited to Chair the Session in the 3rd International Conference on Integrated Intelligent Computing Communication & Security by SJB Institute of Technology, Bengaluru.

August 6, 2021: Dr.S.B.Bhanu Prashanth, Professor, Department of Medical Electronics **published the ICMAI-2021 conference paper titled “Gar-Bot: Garbage Collecting and Segregating Robot in the Journal of Physics: Conference Series 1950 (2021) 012023 (doi:10.1088/1742-6596/1950/1/012023).**

August 7, 2021: BMSCE IUCEE Student Chapter hosted a webinar titled “Social Entrepreneurship and Spirit of Volunteering with cYAAG”. Resource person was Dr.Gopal Pingali, Managing Director, Hybrid Cloud, Accenture.

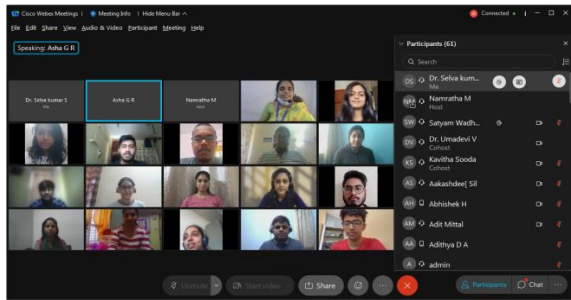


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August 7, 2021: ELSOC, Department of Electronics & Communication Engineering organized “Connecting with Alumni” series-1 webinar on “Systems with ML and ML with Systems” for the students of the Department. Resource person was Mr.Vikram Sharma Mailthody (Alumnus) and currently a PhD candidate at Department of Electrical and Computer Engineering, University of Illinois, URBANA Champaign.

August 7, 2021: Department of Computer Science & Engineering organized Farewell Function (online) for the students of 8th semester Under-Graduate students and 4th semester Post-Graduate students (20-21 batch).



August 9, 2021: Prof.A.U.Digraskar, Director, Institute of Infrastructure Technology Research & Management (IITRAM) and Former Central Project Advisor, NPIU (TEQIP-II) visited the College and had an interaction with Nodal Officials and Faculty.

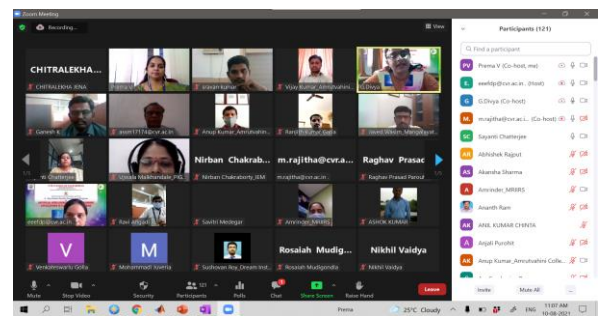


August 9, 2021: BMSCE IEEE organized a webinar on “Healthcare Management - Future with IoMT devices”. Resource person was Ms.Swati Hegde, Business Strategist, Lido Learning.

August 10, 2021: Sri.Venkatesh Boddapati, Faculty, Department of Electrical & Electronics Engineering received Rs.1,28,915/- towards consultancy work on Electric vehicles from **Mosaïque India Pvt, Limited.**

August 10, 2021: Dr.V.Prema, Faculty, Department of Electrical & Electronics Engineering was invited to deliver the following talks in the ATAL sponsored Five Day (online) Faculty Development Programme on Artificial Intelligence and Machine Learning Applications in Electrical Engineering CVR College of Engineering, Hyderabad:

- Talk on “Introduction to Machine Learning & Applications in Power Systems”
- Talk on “AI Based Forecasting techniques for wind and solar power generation”



August 11, 2021: Dr.B.Kanmani, Professor & Head, Department of Electronics & Telecommunication Engineering was invited as the sole resource person to handle the forenoon and afternoon online sessions on



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“Effective Implementation of OBE” by the Army Institute of Technology, Pune.



August 12, 2021: MOU was signed between B.M.S. College of Engineering and M/s. CANMED Healthcare. The aim of this research collaboration is to develop visionary business model that could contribute to social cause and contribute to social impact as well.



August 12, 2021: Dr.Sureka Naagesh, Dr.H.S.Jagadeesh, Faculty, Department of Civil Engineering along with Mr.K.S.Nithin, former PG student published research paper titled “Study on effect of laboratory roller compaction on unconfined compressive strength of lime treated soils” in SPRINGER- International Journal of Geo-Engineering, Volume 12, Article No.22.

August 12, 2021: Dr.G.Giridhar, Professor, Department of Mechanical Engineering has been nominated as Member, NBA Expert Committee for evaluation of Engineering College in Karnataka for Accreditation from August 12-14, 2021.

August 12, 2021: The following faculty along with students of M.Tech presented research paper in the 3rd Springer International Conference on Inventive Computation and Information Technologies (ICICIT - 2021) organized by RVS Technical Campus, Coimbatore, from August 12-13, 2021:

- Dr.M.Umavathi along with K.Lavenya, presented paper titled “Design and Analysis of Single-Phase Inverter for Avionics System”
- Dr.A.Usha along with K.Vinutha presented paper titled “Design & Development of Smart Charger for Automotive Application”

August 14, 2021: MOU was signed between B.M.S. College of Engineering and Central Manufacturing Technology Institute (CMTI) for Industry-institution Research collaboration.





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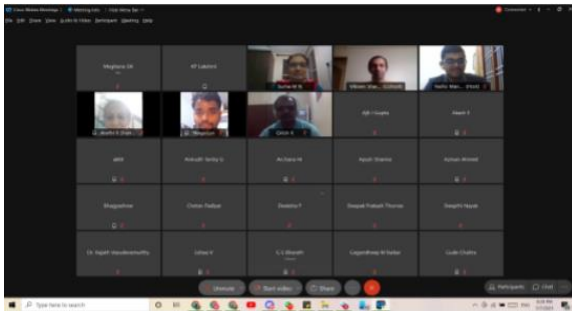
August 14, 2021: Department of Physical Education & Sports Science organized Farewell for the students of ME, IEM, CSE, ISE, EIE & BT. Sri.Aviram Sharma, Trustee, BMSET was Chief Guest.



August 14, 2021: Dr.B.V.Ravishankar, Principal inaugurated The BMSCE IEEE Computer Society (virtually).



August 14, 2021: ELSOC, Department of Electronics & Communication Engineering organized “Connecting with Alumni” series-2 webinar on “Graduate Study and Research in USA in System Security” for the students of the department. Resource person was Dr.Aravind Prakash (Alumnus) Assistant Professor, Department of Computer Science, Binghamton University, Newyork, USA.



August 15, 2021: Department of Physical Education & Sports Science organized 75th Independence Day.



August 14, 2021: Dr.Sandeep Varma, Faculty, Department of Information Science & Engineering has been nominated as Advisor, Computer Society of India – Student Branch, Bangalore Section.

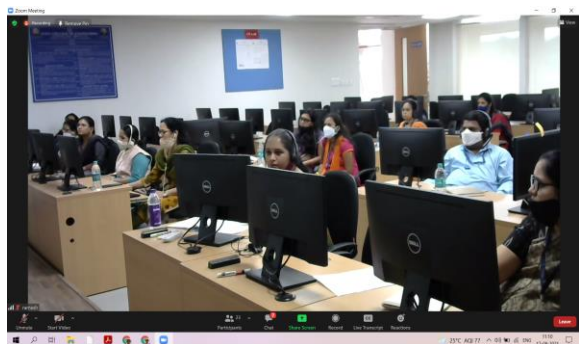


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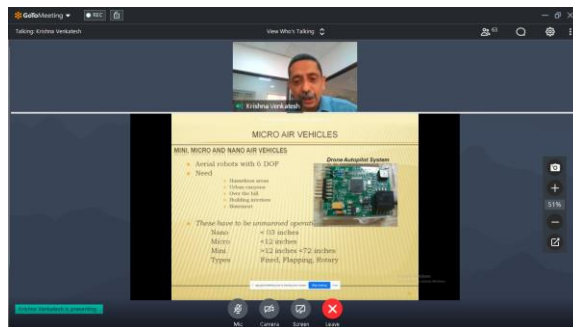
August 15, 2021: Dr.C.S.Kaliprasad, Faculty, Department of Physics published research paper titled “Studies on the dependence of natural radioactivity on clay minerals of soils in Davanagere district of Karnataka, India” in Journal of Radioanalytical and Nuclear Chemistry, Q3 Journal with impact factor: 1.37, August 2021, ISSN NO 02365731, 15882780, <https://doi.org/10.1007/s10967-021-07920-8>

August 16, 2021: Department of Information Science & Engineering organized One week e-Faculty Development Programme on “DevOps” from August 16-20, 2021. Mr.Venkatesh Bant, Build and Release Engineer, Dell International Hyderabad, Mr.Zaid Mombasawala, DevOps Engineer, Dell Technologies. Mr.Avinash Mihani, Principal Software Engineer, DevOps, Dell Technologies, Mrs.Sailaja Karri, Senior Manager, Dell.



August 16, 2021: BMSCE IEEE organized Five Day Webinar Series on “Micro air vehicles - The future frontiers of flight”, “India in the Arctic”, “The Future is Waste (Waste and Sustainability)”, “Computational approaches for multi-omics data analysis in cancer prognosis”, and “5G Application Scenarios” from August 16-20, 2021.

Resource persons were Dr.Krishna Venkatesh, Founder & Director, CIIRC, Dr.Geetha Priya, Professor, CIIRC, Dr.Narendra Reddy, prominent researcher in the field of biopolymeric materials, Dr.Roopa Reddy, Assistant Professor CIIRC and Dr.S.Balaji, IISc., Bangalore.



August 17, 2021: Dr.B.Sachin Kumar, Faculty, Department of Mechanical Engineering published research paper titled “Magnetic Behavior of Polymorph Composite Nickel Titanate Nanofibers” in Royal Society of Chemistry <https://doi.org/10.1039/D1NJ01714D>.

August 17, 2021: Matam Vijayeshjeevan, student of 3rd year Computer Science & Engineering) has been selected as Leader for Google Developer Student Club for the year 2021.

August 17, 2021: Dr.P.Jayarekha and Smt.H.M.Anitha, Faculty, Department of Information Science & Engineering submitted proposal to Vision Group of Science & Technology (VGST) for conducting Faculty Development Program. They received grant of Rs.2.00 Lakhs.



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August 17, 2021: Dr.C.T.Puttaswamy, Professor and Head, Department of Chemical Engineering was invited to deliver a lecture on “Wealth from Waste in Integrated Sugar & Distillery Industry Complex – Resource Recovery” in ATAL Scheme of AICTE Faculty Development Programme on Recent advances in Management & Processing of Industrial and Domestic Waste (RAMPIDW) by SIT, Tumakuru.



August 17, 2021: Pentagram the Mathematical Society of BMSCE organized the event TOURNAMATH.

August 18, 2021: Dr.Kavitha Sooda and Dr.M.Indiramma, Faculty, Department of Computer Science & Engineering submitted research proposal titled “Infrastructural Development for Neurological Disorder using Brain Signal Computing” to VGST, Government of Karnataka and K-FIST L1 research grants of Rs.15.00 lakhs has been sanctioned.

August 18, 2021: Department of Information Science & Engineering organized e-Hands-on Workshop on “Web API Development” for the students of M.Tech as part of Open Elective Course. Resource persons were experts from Postman.com.

August 18, 2021: Dr.Sandeep Varma, Faculty, Department of Information Science & Engineering submitted a project titled “Experiment Evaluation of Reinforcement Learning Algorithms by Augmenting Transfer Learning.” to AI &Robotics Technology Park, IISc., Bangalore under “Student Innovation Grant Program” for a period of One Year. The project was sanctioned mini grant of Rs.6.60 Lakhs. Out of 131 proposals in the UG category from various premier institutions, only 29 projects were funded.

August 18, 2021: Dr.B.Kanmani, Professor & Head, Department of Electronics & Telecommunication Engineering was invited to handle the afternoon session on “Teaching and Learning Evaluation; Institutional Values and Best Practices” in the NAAC Sponsored Two Day National Level Webinar on Academic and Administrative Audit by Rao Bahadur V Mahabaleswarappa Engineering College, Bellary and the talk is available at <https://youtu.be/6RYwzyenj4Q>.



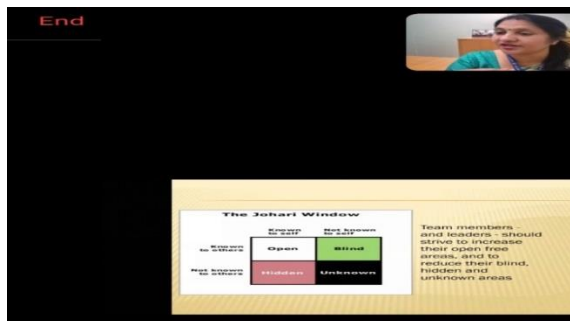
August 18, 2021: Dr.Shubha Muralidhar, Faculty, Department of Management Studies was invited to deliver a Lecture on “Enhancing Self-awareness with Johari



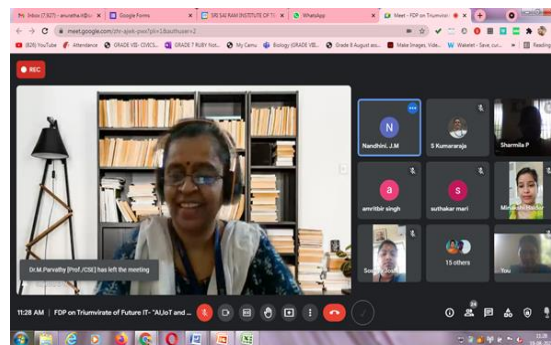
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Window” by K.S.School of Engineering & Management, Bengaluru.



Future IT-AI, IoT and Cloud Technologies by Sri Sai Ram Institute of Technology, Chennai.



August 19, 2021: Dr.L.Ravikumar and Dr.Raghu Yogaraju, Faculty, Department of Mechanical Engineering **submitted research proposal titled “Establishment of Infrastructure facilitating studies related to impact dynamics/material damping potential estimation from application oriented Research/ Academic perspectives” to VGST for the year 2020-21 and has been sanctioned research grant of Rs.20 lakhs.**

August 20, 2021: Dr.C.Sampath, Faculty, Department of Chemistry, **filed Indian Patent Application bearing No.202141036136. for the invention titled “Computer-aided molecular docking, physicochemical and ADMET properties of novel bromopyrimidine analogues as potential anti-cancer agents”.**

August 19, 2021: P.Vineeth, S.Bhargav, P.Guru Nanma and Nithin Ganesh students of Mechanical Engineering submitted an inter-disciplinary student project proposal for funding under the ‘Student Innovation Grant Program’ (Category-UG) of ARTPARK (I-Hub for Robotics and Autonomous Systems Innovation Foundation) under the guidance of. Dr.Vinod C. Aralimatti, Professor of the Department and the same has been selected.

August 21, 2021: Department of Physical Education & Sports Science organized Farewell for the students of CV, ECE, EEE, TCE, ML & CH. Punith, student of Civil Engineering was honored with Best Outgoing Sports Person of the Year.

August 19, 2021: Dr.D.N.Sujatha, Professor, Department of Computer Applications was invited to deliver a talk on “AI Powered IoT for Intelligent Systems and Smart Applications” (online) in the Faculty Development Programme on Triumvirate of





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August 21, 2021: Dr.R.Suresh Kumar, Faculty, Department of Mechanical Engineering was invited for Academic Audit by Vignan's Lara Institute of Technology & Science, Guntur, Andhra Pradesh from August.21-22, 2021.

August 23, 2021: Prayer Meeting was held in remembrance of Late Sri B.S.Narayan, Donor Trustee

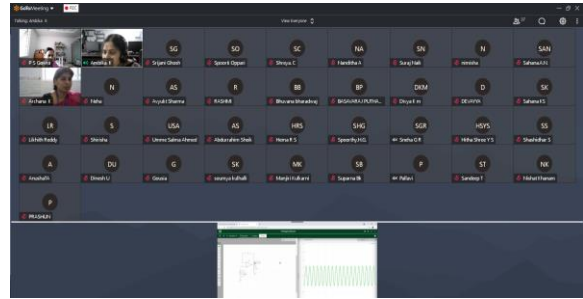


August 23, 2021: Dr.B.V.Ravishankar, Principal, and Dr.S.Muralidhara, Vice Principal inaugurated New Project Lab in the Department of Chemical Engineering.

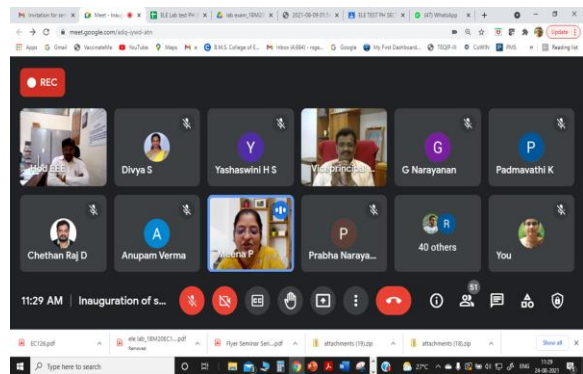


August 23, 2021: Department of Information Science & Engineering organized AICTE ATAL Academy sponsored Five Day Faculty Development Program on “5G TECHNOLOGY” (online) from August 23-27, 2021.

August 23, 2021: Department of Electronics & Telecommunication Engineering organized Two Week (online) Internship on “Multisim” for the students of various Colleges from August 23 - September 4, 2021.



August 24, 2021: Department of Electrical & Electronics Engineering organized Four Week Seminar Series on “Magnetic Fields, Magnetic Circuits and Electrical Machines” from August 24 – September 21, 2021 on every Tuesday and Thursday for the students of Under Graduate. Resource Persons were Prime Minister Research Fellows from IISc., Bangalore.

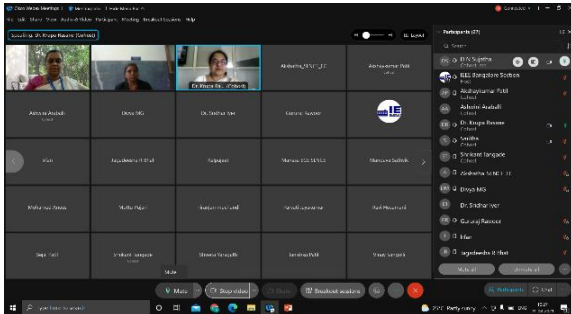


August 24, 2021: Dr.D.N.Sujatha, Professor, Department of Computer Applications was invited to deliver a talk on "IEEE Benefits and Opportunities" in the NKSS Officers's Training Program.



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August 26, 2021: Dr.H.S.Jagadeesh, Professor, Department of Civil Engineering was invited to Chair a Technical Session (online) in the 8th International Conference on Transportation Systems Engineering & Management (CTSEM 2021) by the Centre for Transportation Research, CED, NIT Calicut.

August 24, 2021: Dr.Kalyan Raj, Professor & Head and Dr.K.LNagashree, Faculty, Department of Chemistry **published research article titled “Cobalt metal-organic framework for low concentration detection of glucose” in Inorganic and Nano-Metal Chemistry**
<https://www.tandfonline.com/doi/full/10.1080/24701556.2021.1966451>.

August 26, 2021: Dr.Mangala Keshava, Faculty, Department of Civil Engineering **published research paper titled “Study on Behaviour of Concrete Mixes using Waste Plastics as an alternative for Coarse Aggregates” in IOP Conf. Series: Earth and Environmental Science 822 (2021) 012011IOP Publishing doi: 10.1088/1755-1315/822/1/ 012011.**

August 25, 2021: Department of Information Science & Engineering organized defense in respect of Mrs.B.S.Sowmya Lakshmi, Research Scholar on Ph.D thesis titled “Cross Language Information Retrieval for Code-mixed Kannada English Queries” under the guidance of Dr.B.R.Shambhavi, Faculty of the Department. Dr.Tanvir Ahmad, Professor & Head, Department of Computer Engineering, Jamia Millia Islamia, New Delhi, was the External Examiner.

August 26, 2021: Dr.A.N.Nagashree Faculty, Department of Electrical & Electronics Engineering along with V.Suman, M.Tech. student **published research paper titled “Design and Implementation of Multiple Output Forward Converter with Input Voltage Feed Forward Control for Space Applications” in Zeichen Journal (Scopus Indexed), ISSN: 0932-4747.**

August 26, 2021: Dr.Kavitha Sooda, Faculty, Department of Computer Science & Engineering was invited to deliver a talk on “The Joy of Writing Project Proposal” by NITTE School & Architecture and Planning, Bengaluru.





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August 27, 2021: Second Vaccination Drive conducted in campus for the benefit of Students and Staff.



August 27, 2021: College Council Meeting was convened to discuss regarding Implementation of IUCEE NEP -2020 for First Year B.E. students (2021-2022). The Dean (FYB) gave a brief presentation in this regard.



August 27, 2021: Departments of Mechanical Engineering and Electronics & Communication Engineering in collaboration with B.S.Narayan Centre for Advanced Learning and Software Development organized “Ask Me Anything Series - Career Opportunities and Road Map in Cloud Computing Domain”.

August 27, 2021: Smt.V.Padmapriya and Dr.D.N.Sujatha authored a Book Chapter titled “Future of Sustainable Smart Cities: An Insight for the book titled Blockchain for Smart Cities published by Elsevier. The online version of the same was released on the same day.

August 27, 2021: Dr.C.Sampath, Faculty, Department of Chemistry, filed Indian Patent Application bearing No. 202111035006 for the invention titled “In silico, ADMET properties and anti-viral activity of sesquiterpene lactone analogues against SARS-CoV-2 main protease inhibitors and Indian mutant”.

August 28, 2021: Farewell for MBA, MCA & M.Tech students was organized at Indoor Stadium. Sports Achievers were facilitated with certificates.



August 29, 2021: M.P.Mahima, student of Electronics & Telecommunication Engineering, Shivam Vaish, student of Computer Science & Engineering and S.Nikhil, student of Information Science & Engineering presented the project titled “iChef: A Smart Kitchen” under the guidance of Dr.Rajeshwari Hegde, Faculty, Department of Electronics & Telecommunication Engineering in the Innovation Challenge Track., YESIST-12,



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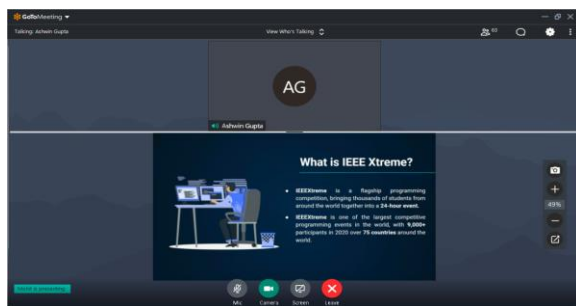
2021 5th National Level IEEE Project Competition organized by K.L.E. Institute of Technology, Hubballi. They were awarded First Prize in the Preliminary Round

August 29, 2021:: Dr.S.B.Bhanu Prashanth, Professor, Department of Medical Electronics was invited as subject expert for the faculty selection by CMR Institute of Technology, Bengaluru.

August 30, 2021: Sri.Aviram Sharma, Trustee, BMSET, Dr.B.V.Ravishankar, Principal and Dr.S.Muralidhara, Vice Principal inaugurated B.S.Narayan Computational Lab at Department of Computer Science & Engineering.



August 31, 2021: BMSCE IEEE hosted an orientation (online) for Xtreme 15.0. The event was conducted by IEEE-BMSCE Student Branch Coordinators.



August 31, 2021: Dr.C.Sampath, Faculty, Department of Chemistry published research article titled “Synthesis, α -amylase and α -glucosidase inhibition and molecular docking studies of indazole derivatives” in the Journal of Biomolecular Structure and Dynamics.
<https://doi.org/10.1080/07391102.2021.1947892>.