



B.M.S. COLLEGE OF ENGINEERING, BENGALURU
Autonomous Institute, Affiliated to VTU

REPORT ON COLLEGE ACTIVITIES – SEPTEMBER 2020

September 1, 2020: Departments of Mechanical Engineering, Biotechnology and Medical Electronics organized online AICTE sponsored Faculty Development Programme under Technology Innovation (AICTE-ATAL Scheme) on “Prospects and Challenges in 3D Printing: A Design Perspective” from September 1-5, 2020. The following faculty members delivered lectures:

- Sri.N.V.Sreekanth, Faculty, Department of Mechanical Engineering delivered lecture on 3D Printing of Composites
- Sri.C.C.Arjun, Faculty, Department of Mechanical Engineering delivered lecture on 3D Printing of Composites
- Dr.Saisha Vinjamuri, Faculty, Department of Biotechnology delivered lecture on Bio 3D printing

September 1, 2020: BMSCE signed MoU with IEEE TEMS for certification course on “Innovation, Technology and Engineering Management”



September 1, 2020: Department of R&D organized interaction with faculties of Basic Science Departments with regard to Research & Development activities



September 1, 2020: Department of Information Science & Engineering organized training sessions on “Cyber security” for the students of ISE, CSE and ECE. The training includes certification from NASSCOM

September 1, 2020: Dr.M.V.Murugendrappa, Head, Department of Physics published research paper titled “Synthesis and characterization of WO_3 - doped polyaniline to sense biomarker VOCs of Malaria” in **Springer: Applied Nanoscience, 1-16, ISSN 2190-5509 Q3 Journal with Impact Factor: 2.88**
<https://doi.org/10.1007/s13204-020-01551-3>

September 4, 2020: Department of Electronics & Communication Engineering organized one-week online Value-added course on “Emerging Technologies: Industry Perspectives” from September 4-10, 2020

September 4, 2020: Dr.M.S.Dharmaprakash and Dr.S.Manjunatha, faculty, Department of Chemistry published research paper titled “Electrochemical Detection of Paracetamol by Voltammetry Techniques Using Pure Zirconium Oxide Nanoparticle Based Modified Carbon Paste Electrode” in the **Journal of Inorganic and Organometallic Polymers and Materials**



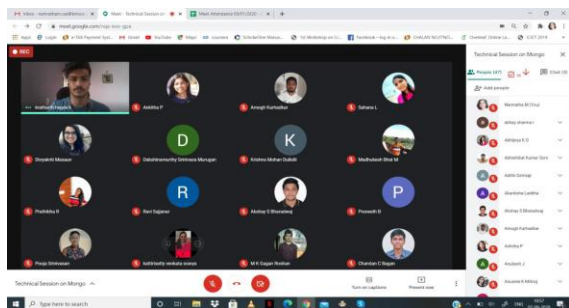
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September 5, 2020: Sri.Madhav Murthy, Faculty, Department of Mechanical Engineering was invited to deliver a talk (online) on “Career Preparedness” H.K.E. Society’s S.L.N.College of Engineering, Raichur

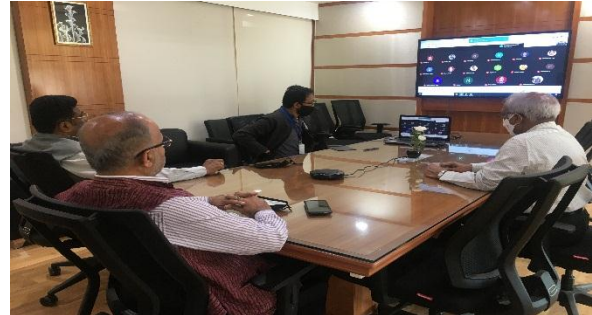
September 5, 2020: Department of Electronics & Communication Engineering has taken the lead to start an initiative called the Smart Materials & Applications Program (SM & AP). Prof.G.K.Anantha Suresh, President of ISSS, Department of Mechanical was the Chief Guest for the inaugural session. Dr.Gurumurthy Hegde, Professor & Prof.CNR Rao Chair, B.S.N. Centre for Nanomaterials and Displays delivered inaugural lecture on “Waste to wealth-based nanomaterials and its optimization towards high quality research”

September 7, 2020: Department of Computer Science & Engineering in association with CodeIO Club and IEEE BMSCE-SB conducted online hands-on workshops on topics such as Mongo, Flutter and Node from September 7-10, 2020



September 7, 2020: Department of Medical Electronics in association with IEEE Young Professionals organized Webinar on ”Introduction to BCI and Its Applications” The talk was delivered by Dr.Sanjeev Kubakaddi, CEO, ITIE Knowledge Solutions, Bengaluru

September 9, 2020: Sri.Antony Christy Melson, Faculty, Department of Mathematics gave demonstration on use of Pen Tab Device for conduction of online class to all the faculty of BMSCE



September 9, 2020: Dr.A.Meera, Faculty, Department of Electronics & Communication along with Mr.G.C.Naveen, student of M.Tech published paper titled “Connected Vehicle System for Crash Avoidance and Emergency Vehicle” **in the International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429, Volume 8 Issue IX Sep 2020 - www.ijraset.com**

September 9, 2020: Ankit Kumar, Akshay S Rao, A.V.Aliasgar, Mohammed Rehab Sait, students of 7th semester Electronics & Communication Engineering **were listed top 5 and were awarded winners & champions in the “Scilab Toolbox Hackathon” among 700 teams registered for the event**



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September 10, 2020: Dr.B.Kanmani, Professor & Head, Department of Electronics & Telecommunication Engineering published a book titled “Effective Implementation of OBE Leading to Accreditation” by Indian Society for Technical Education (ISTE) under the Working Professionals Learning Project, an AICTE Project



September 10, 2020: Dr.D.N.Sujatha, Professor, Department of Computer Applications was invited to deliver a lecture on “IEEE Student Branch Benefits and Opportunities” by SDMCET IEEE student branch of Shri Dharmasthala Manjunatheshwara College of Engineering & Technology, Dharwad

September 11, 2020: Department of Industrial Engineering & Management organized Farewell (Virtual) to the Final year students

September 11, 2020: Department of Electronics & Telecommunication Engineering, in association with the IEEE BMSCE SB organized online interactive session on “Your First Step towards UPSC Civil service Examination” towards motivating students in taking up careers in the administrative sector of the government.

Resource person was Ms.Ashwija, IAS (Alumni)



September 11, 2020: Dr.D.N.Sujatha, Professor, Department of Computer Applications was invited to deliver a lecture on “Adopting Right practices to become a successful Student Branch” by Government Engineering College, Krishnarajpet

September 12, 2020: Sunil Hucharaddi, Vardhan Honmane, V.Amruth and Supriya, students of Electronics & Communication Engineering received **SAMSUNG PRISM - Certificate of Excellence for Worklet in Orientation and Script Detection** under the guidance of Dr.M.N.Suma, Professor of the Department





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September 14, 2020: Dr.Samita Maitra, Professor, Department of Chemical Engineering & Dean (Academic) was invited to deliver a talk (online) on “Connecting with Students” by the Indo USA Consortium for Engineering Education (IUCEE)

September 14, 2020: Dr.B.Mallikarjuna, Faculty, Department of Mathematics was invited as Resource person to deliver a talk on “Glimpses of Shooting Technique for Boundary Value Problems” in the Webinar organized by REVA University, Bengaluru

September 15, 2020: Dr.D.N.Sujatha, Professor, Department of Computer Applications was invited to deliver a lecture on “A Sneak Peak into Right practices of IEEE SB” by ATME College of Engineering, Mysuru

September 16, 2020: Teacher’s Day was celebrated. Staff members who completed 25 years of service & faculty who completed their Ph.D during the academic year were felicitated



September 18, 2020: Dr.B.Sudarshan, Dr.H.R.Prakash, and Mr.P.Rajesh, Faculty, Department of Mechanical Engineering are deputed for COVID-19 duties. They have been designated as task force duty officers in

Bangalore south zone jurisdiction. They received token of appreciation by Mrs.Ramya, Returning Officer - South zone and Mr.Madhusudan, MOH



September 18, 2020: Departments of Electronics & Communication Engineering and Electronics & Instrumentation Engineering organized Webinar on “Data Acquisition and DSP” for the students of 5th semester

September 18, 2020: N.A.Shreesha, K.Anusree Manoj, Shehyaaz Khan Nayazi and Supriya Krishnamurthi were awarded BMSCEAN Merit Scholarship-2020 of Rs.10,000/- each

September 18, 2020: Smt.S.Preetha and Smt.K.Rajeshwari, Faculty, Department of Information Science & Engineering were invited as Resource Persons for conducting hands-on workshop on “Artifact to Structure: Modeling and Design” by Jain University

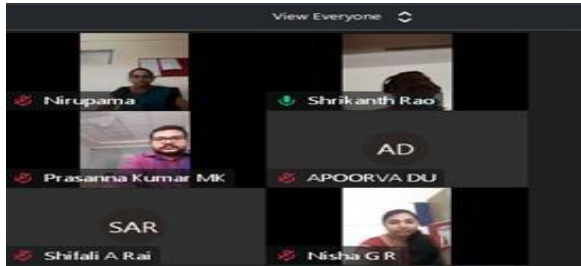
September 19, 2020: Mechanical Engineering Association organized Farewell (virtual) to the passed out students (2016-20 Batch)



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September 19, 2020: Dr.M.K.Prasanna Kumar, Faculty, Department of Electronics & Telecommunication Engineering was invited to deliver a talk on “Introduction to Speech Processing and its Applications” in the online workshop by Vivekananda College of Engineering & Technology, Puttur



September 19, 2020: Dr.M.V.Murugendrappa, Head, Department of Physics published research paper titled “Three-Dimensional Variable Range Hopping and Thermally Activated Conduction Mechanism of Polypyrrole/Zinc Cobalt Oxide Nanocomposites” in ACS Publications: **The Journal of Physical Chemistry C Volume 124, Issue 39, pp 21772–21781, Q2 Journal with Impact Factor: 4.189** <https://doi.org/10.1021/acs.jpcc.0c05889>

September 20, 2020: Dr.B.V.Ravishankar Principal, was invited by Praja TV Kannada News Channel for the programme “Margadarshi” to address the students regarding admission to professional courses and future of engineering courses post COVID-19 World



September 21, 2020: Dr.K.R.Sudhindra, Faculty, Department of Electronics & Communication Engineering was invited as Guest Speaker in the Webinar titled “Radio Standards for 4G Wireless Communications” by University of Technology and Applied Sciences - Ibra College of Technology, Sultanate of Oman.. He also received Certificate of appreciation

September 21, 2020: Dr.R.Jayagowri, Faculty, Department of Electronics & Communication Engineering and Ms.Maithri. U.K. Shetty (M.Tech student - VLSI and now Alumni) were granted Indian patent for the invention titled “1 Pixel / 1 Clock Throughput Modified Median Adaptive Predictor for Vesa Dsc Encoder” for a term of 20 years with the Patent number 347212

September 23, 2020: Dr.R.V.Ranganath, Professor, Department of Civil Engineering was invited as resource person for the Technical Session “Evaluation and documentation of (Criteria 1-10)” by NITK, Meghalaya

September 23, 2020: Dr.M.S.Dharmaprakash and Dr.S.Manjunatha, Faculty, Department of Chemistry published research paper titled “Electrochemical Detection of Serotonin Using t-ZrO₂ Nanoparticles Modified Carbon Paste Electrode” in the Journal of The Electrochemical Society



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September 24, 2020: Dr.R.S.Geetha Professor, Department of Electrical & Electronics Engineering along with Ms.Soumya, M.Tech student published research paper titled “Design and implementation of multiple output forward converter with Mag-amp and LDO as post regulators for space application” **in the International Journal of Engineering, Science and Technology. Vol. 12, No. 3, 2020,pp.43-56”**

DOI:<http://dx.doi.org/10.4314/ijest.v12i3.5>

September 24, 2020: Dr.B.S.Nagabhushana, Professor, Department of Electronics & Communication Engineering was invited as Guest speaker in the Webinar on “Battery Management Systems” as part of FDP titled “Alternate Fuels” by Don Bosco Institute of Technology, Bengalurue under the aegis of AICTE-ATAL

September 24, 2020: Dr.D.Seshachalam, Professor, Department of Electronics & Communication Engineering was invited as Guest speaker on “Rubrics design and development” through online by NIITR, Chandigarh under Margadarshak scheme of AICTE

September 24, 2020: Dr.M.B.Veena, Faculty, Department of Electronics & Communication Engineering and Ms.Sriraksha, Research Scholar published research paper titled “Framework for performance analysis of Home Subscriber Server” **in the International Journal of Future Generation Communication and Networking" Vol. 13, No.4, Sep 2020, pp. 435–442 indexed in Web of Science**

September 25, 2020: Dr.B.V.Ravishankar Principal participated the National Education Policy Webinar on the theme “Future of Higher Education in India -Turning Challenges into opportunities” organized by BMSIT&M, Bengaluru in association with Centre for Educational & Social Studies (CESS) and B.M.S. Educational Trust Institutions under the auspices of Unnat Bharat Abhiyan. Dr.M.K.Sridhar, Member, NEP Drafting Committee, Member of UGC and President CESS, Bengaluru was the Keynote Speaker



September 25, 2020: Smt.S.Divya, Faculty, Department of Electrical & Electronics Engineering along with Under-Graduate students published research paper titled “Modeling and Simulation of a Battery charging circuit for Electric Vehicles using Z-source converter” **in the International Journal of Engineering Applied Sciences and Technology, IJEAST**

September 25, 2020: Dr.B.R.Shambhavi, Faculty, Department of Information Science & Engineering was invited to deliver online Webinar on “World of Chatbots: An Implementation perspective” as part of TEQIP sponsored Webinar Series by SJCE, JSS S&TU, Mysuru



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September 25, 2020: Dr.S.B.Bhanu Prashanth, Professor, Department of Medical Electronics, was invited to Chair a session (online) in the Sixth International Conference on Emerging Research In Computing, Information, Communication and Applications (ERCICA-2020) NMIT, Bengaluru

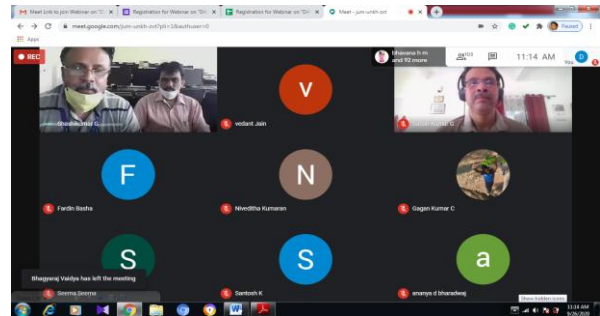
September 25, 2020: Dr.D.N.Sujatha, Professor, Department of Computer Applications was invited as a panelist for Virtual BCMeet-3 by IEEE Bangalore Section

September 25, 2020: Dr.Ramya Hariharan, Faculty, Department of Physics submitted project proposal titled: “Combined Studies of Materials Discovery with Machine Learning and Experimentation for the Development of High Performance Piezoelectric Materials” in the domain Metallurgical & Materials Engineering to **VGST under RGS/F Scheme. The proposal has been selected and grant of Rs.3.00 Lakhs has been sanctioned**

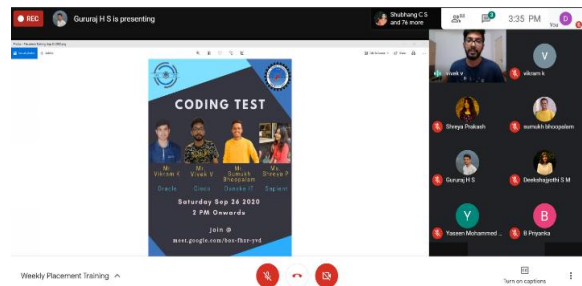
September 26, 2020: Meeting of College Council to discuss regarding conduction of Graduation Day & Labs (virtually)



September 26, 2020: Department of Industrial Engineering & Management organized Webinar on “Data Privacy – Things To Know!!”. Resource Persons were Mr.B. Ravi, Convener, Concerned Citizens Of India (CCI), Karnataka and Sri.K.G.Satish, Principal Software Architect



September 26, 2020: K.Vikram, V.Vivek, Sumukh Bhoopalam, and P.Shreya Final year students of Information Science & Engineering conducted online Coding Test in Hacker Rank as part of the weekly placement training initiative for the final year students



September 26, 2020: Department of Computer Applications organized Farewell (virtual) to the 2017-2020 students



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September 27, 2020: Dr.B.Kanmani, Professor & Head, Department of Electronics & Telecommunication Engineering published paper titled, “Curriculum design for Engineering Programs” in **The Indian Journal of Technical Education, Vol. 41, No3 July-September issue, ISSN- 0971-3034, Published by Indian Society for Technical Education (ISTE), New Delhi**

September 27, 2020: Dr.Kalyan Raj, Professor & Head, Department of Chemistry along with Research scholar Ms.Karthika, Shetty published research paper titled “Synthesized conducting Polyaniline - TiO₂ based Nano composite For corrosion control on steel 316” in **the Journal of materials today proceedings**

September 28, 2020: Dr.K.P.Lakshmi, Professor, Department of Electronics & Communication Engineering along with Dr.Maligi Anantha Sunil, Faculty of the Department as CO-PI submitted project proposal titled “Fabrication and Characterization of Thin Films for Sensors, NV memory and Waveguide Applications” in the domain of Engineering (Metallurgical & Materials Engineering) to **VGST under K-FIST1 scheme 2019-20. The proposal has been selected and grant of Rs.15 Lakhs has been sanctioned**

September 29, 2020: NAAC has introduced Webinar on Best Practices followed in Higher Education institutions who have secured A++ Grade. Dr.B.V.Ravishankar, Principal and Dr.Mangala Keshava, Director, IQAC presented Webinar on “Promoting Academic Excellence through Enriched Knowledge and Industrial Exposure” followed in BMSCE. The NAAC authorities and about 117 participants from Higher Education Institutions all over the country participated and appreciated the presentation



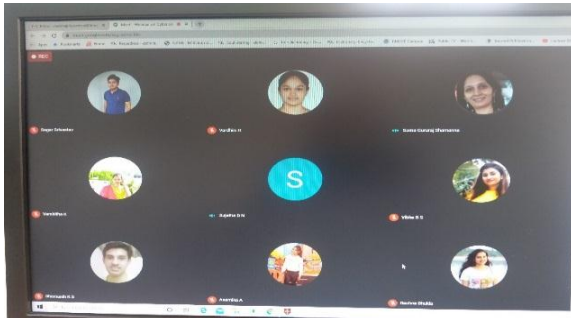
September 29, 2020: Dr.D.N.Sujatha, Professor, Department of Computer Applications was invited to deliver a lecture on “Python & IT Career Opportunities in Kannada” by Micro Degree in association with IEEE Mangalore sub section and IEEE Bangalore section

September 29, 2020: Department of Computer Applications in association with BMSCE IEEE WiE Affinity Group organized a Webinar on “Cyber security: Trends and forecast”. Resource person was Smt.Suma Shamanna, Chief Information Security Officer, Canum Info Tech, Bengaluru



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September 30, 2020: Dr.D.N.Sujatha, Professor, Department of Computer Applications moderated the talk on “Challenges and Opportunities for Women as Entrepreneur” by Yashasvini Ramaswamy, Serial Entrepreneur and Founder Cuiturelytics

September 30, 2020: Dr.B.Sudarshan, Faculty, Department of Mechanical Engineering published research paper titled “Effect of axial cavity with an opposing high-pressure jet combination in a Mach-6 flow condition” **in the Acta Astronautica, 178 (2021) 335–348**

September 30, 2020: Dr.Chandasree Das, Faculty, Department of Electrical & Electronics Engineering along with Mr.G.Deepak, M.Tech student published paper titled “Active Discharge Of DC Link Capacitor In SRM Drive For Electric Vehicle Application” **in the International Journal of Engineering Applied Sciences and Technology, 2020**

September 30, 2020: The following faculty members of the Department of Biotechnology were invited to deliver a talk by Indian Women Scientists Association, Mumbai as a part of International year of Plant earth under Member Enrichment Programme (MEP):

- Dr.Saisha Vinjamuri delivered a talk on “Home remedies from kitchen garden for common ailments”
- Dr.Savithri Bhat delivered a talk on “Herbal home remedies from kitchen garden for common ailments”