



**B.M.S. COLLEGE OF ENGINEERING, BENGALURU**  
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**REPORT ON COLLEGE ACTIVITIES – NOVEMBER 2020**

**November 1, 2020:** BMSCE Chiranthana Kannada Sangha organized celebration of Kannada Rajyotsava



**November 2, 2020:** Mr.Punith.M, student of Civil Engineering and Ms.S.Varsha student of Electronics & Communication Engineering received prestigious “**Ekalavya Award**” from Government of Karnataka for their sports achievements in International competitions in **Swimming** and **Snooker** respectively



**November 2, 2020:** Dr.Ramya Hariharan, Faculty, Department of Physics published research paper titled “**COVID-19**”: A Boon for Tropical Solar Parks? A Time Series Based Analysis and Forecasting of Solar Irradiance” in the International Journal Taylor & Francis: Energy Sources, Part A: Recovery, Utilization, Environmental Effects, ISSN: 1556-7036 Q3 Journal with Impact Factor: 1.184. <https://doi.org/10.1080/15567036.2020.1839603>

**November 2, 2020:** The following faculty of the Department of Chemistry presented research papers in the International Conference (virtual) on “Sustainable Energies and Environmental Technologies” (V-ICSEET) held at REVA University, Bangalore from November 2-4, 2020

- Dr.Kalyan Raj, Professor & Head and Dr.K.L.Nagashree, presented two papers titled “Single-Step Synthesis of NIS Nanoparticles for the Reduction of P-Nitrophenol” and “Facile Synthesis of Cobalt Sulfide Nanoparticles for reduction of Nitroarenes”
- Dr.M.S.Dharmaprakash and Dr.S.Manjunatha presented paper titled “Effect Of Gd+3 As a Co-Dopant On The Photoluminescence Emission Of ZrO<sub>2</sub>:Eu+3 Nanophosphors”

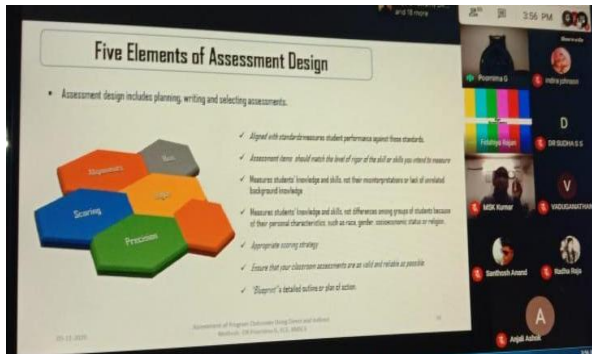
**November 4, 2020:** Dr.Rajath Vasudevamurthy, Faculty, Department of Electronics & Communication Engineering was invited to serve as Publications Chair in the 9<sup>th</sup> IEEE International Conference on Cloud Computing in Emerging Markets (CCEM) 2020 (online) by the Publishers from November 4-7, 2020

**November 5, 2020:** Dr.G.Poornima, Faculty, Department of Electronics & Communication Engineering was invited as guest speaker in the webinar by Karpagam, Institute of Technology, Coimbatore. She delivered a talk on “Assessments of Program Outcomes”



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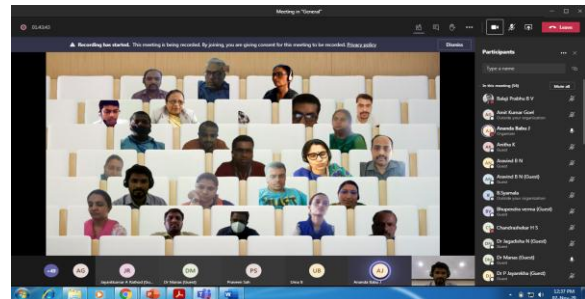
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**November 5, 2020:** Department of Electronics & Communication Engineering established a new Lab - Center for Global Certifications under Hi-Tech Network Embedded Lab. The lab was inaugurated by Mr.Adithya, CEO & Mr.Supreeth, CTO, TEQUED LABS, Bengaluru



**November 5, 2020:** Dr.M.Dakshayini, Professor and Head, Department of Information Science & Engineering was invited as resource person in AICTE Training and Learning(ATAL) Academy sponsored 5 Days (online) Faculty Development Programme on “Blockchain Technologies & its Applications” and also a Guest for the Valedictory Function by Malnad College of Engineering, Hassan held from November 3-7, 2020



**November 5, 2020:** Dr.K.Vijayakumar, Head, Department of Computer Applications was invited to deliver a talk on “Advanced concepts in classification” in the AICTE sponsored one week Short Term Training Programme on “Predictive Analytics using Artificial Intelligence (STTP-PAUI)” by NRI Institute of Technology, Andhra Pradesh

**November 6, 2020:** Department of Electronics & Communication Engineering in association with Career Labs and BYJUs organized career counselling for higher education to the under-graduate students of 3<sup>rd</sup> year from November 6-10, 2020. Smt.Hemavathi, Faculty of the Department and coordinator received “Certificate of Appreciation” from Career Labs for the efforts and support extended

**November 6, 2020:** Dr.M.V.Murugendrappa Head, Department of Physics published research paper titled “**Effect of rare earth oxide nanoparticles on the photoluminescence and conductivity properties of PVA films**” in **AIP Conference Proceedings Volume no-2265, Issue 1 030048 (2020);** <https://doi.org/10.1063/5.0017068>



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**November 6, 2020:** Dr.Nandhini Vineeth, Faculty Department of Computer Science & Engineering along with under-graduate students R.Naveen, N.S.V Chaitanya, M.Nikhil Srinivas presented paper titled **“Implementation of a Methodology for Detection and Prevention of Security Attacks in Vehicular Adhoc Networks”** in the IEEE International Conference for Innovation in Technology (INOCON) held at Nagarjuna College of Engineering, Bengaluru

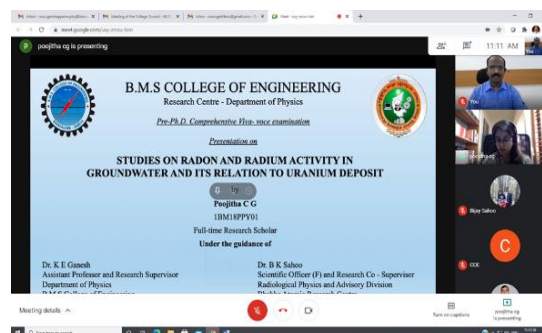
**November 6, 2020:** The following faculty and students of the Department of Information Science & Engineering participated and presented paper in the IEEE International Conference for Innovation in Technology (INOCON 2020) held at Nagarjuna College of Engineering, Bengaluru

- Dr.B.R.Shambhavi & Smt.K.Sindhu, Faculty and Ms.Anupriya Jain, Mr.Vikram Karthikeyan, Ms.B.Sahana, presented paper titled **“Demand Forecasting for e-Commerce platforms”**
- Dr.V.Shubha Rao, Faculty and Mr.M.S.Shreyas, Mr.M.Ashish and Mr.Aman Jain, presented paper titled **“Pneumothorax segmentation”**

**November 7, 2020:** Dr.K.R.Radhika and Dr.S.V.Sheela, Faculty, Department of Information Science & Engineering presented research paper titled **“Feature Based Methods for Eye Gaze Tracking”** in the 4<sup>th</sup> IEEE International Conference on Electronics and Communication, India

**November 7, 2020:** Department of Computer Applications in association with B.S Narayan Centre for Advanced Learning and Software Development, coordinated a webinar on **“How is AI going to Change Marketing”** conducted by Birth Venue Pvt Ltd., for the students of 3<sup>rd</sup> semester

**November 7, 2020:** Department of Physics organized Pre-PhD Comprehensive Viva Voice Examination (online) in respect of Mrs.C.Poojitha under the guidance of Dr.K.E.Ganesh, Faculty of the Department. **Research title:** **“Studies on Radon and Radium Activity in Ground Water and Its Relation to Uranium Deposit”**



**November 8, 2020:** IEEE Power & Energy Society BMSCE Student Chapter organized **“Energitica”**, a math and science based quiz

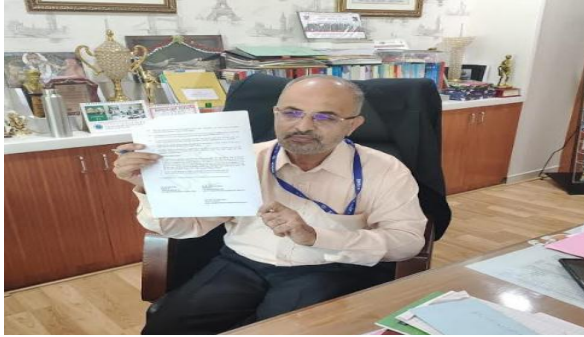
**November 9, 2020:** BMSCE (Department of Management Studies) signed Memorandum of Cooperation (MOC) with India Care Research Centre of All Indian Management Association (AIMA-ICRC). The validity of MOC is for a period of one year. The objective of this collaboration is to promote Joint development of cases and creating awareness about high quality internationally benchmarked India Centric



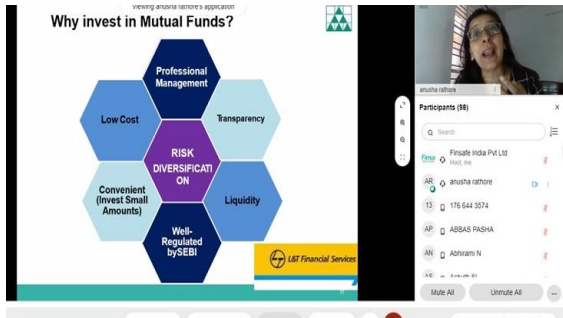
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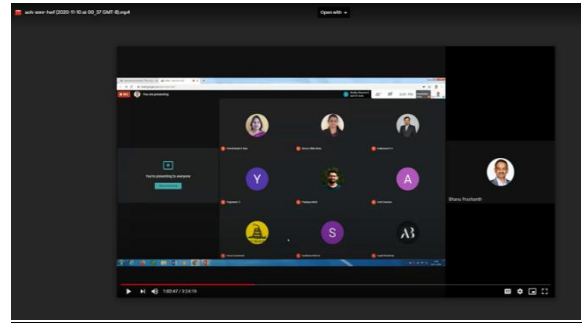
business cases in B-Schools and Corporates for teaching and training purposes



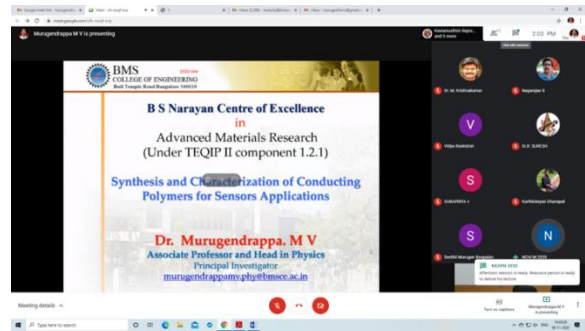
**November 9, 2020:** Department of Management Studies organized Guest Lecture (online) on “Industry Recruitment Practices” for the students of 3<sup>rd</sup> Semester. The lecture was delivered by Ms.V.S.Madhumathi, Founder, Purple Nirvana & a certified coach and NLP Practitioner



**November 9, 2020:** Department of Physics organized Two Week Training Program on “Internet of Things (IOT)” under TEQIP-III from November 9-21, 2020. Dr.S.B.Bhanu Prashanth, Professor, Department of Medical Electronics, delivered a series of technical talks in the training program on “Sensors in Internet of Things”



**November 9, 2020:** Dr.M.V.Murugendrappa, Head, Department of Physics was invited to deliver a talk on “Synthesis and Characterization of Conducting Polymers For Sensors Applications” in the AICTE Sponsored Two-week online Faculty Development programme on Advanced Physics for Engineers by Thanthai Periyar Government Institute of Technology, Vellore, from November 4-17, 2020

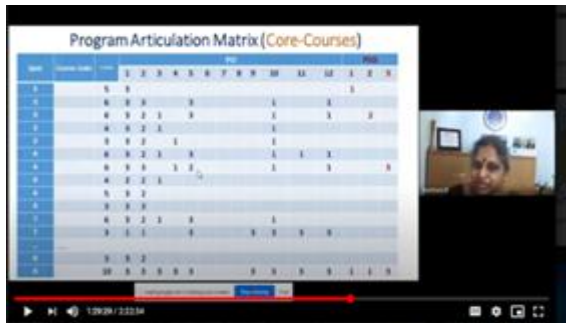


**November 11, 2020:** Dr.B.Kanmani, Professor & Head, Department of Electronics & Telecommunication Engineering was invited as resource person for forenoon session on “Defining Course Outcomes to address the Program Outcomes” in the AICTE Sponsored STTP - Outcome Based Education with Assessment and Evaluation, Phase-I, by Sahrdaya College of Engineering and Technology, Kerala



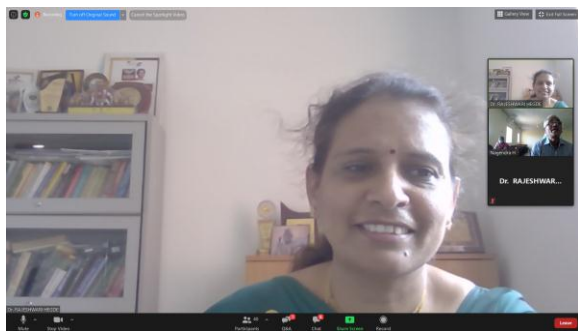
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**November 11, 2020:** Dr.Rajeshwari Hegde, Faculty, Department of Electronics & Telecommunication Engineering along with faculty from Gogte Institute of Technology published a chapter titled “Statistical Analysis of Stress Levels in Students Pursuing Professional Courses”

**November 11, 2020:** Dr.Rajeshwari Hegde, Faculty, Department of Electronics & Telecommunication Engineering was invited as resource person for the Atal workshop on Artificial Intelligence: Algorithms and Applications by PDA College of Engineering, Kalburgi



**November 11, 2020:** BMSCE (Department of Physics - Polymer Composites Lab under Centre of Excellence) and Acharya Pathashala College of Arts & Science, Bangalore signed MOU regarding sharing of Research Knowledge and Research activities among students and faculty Members

**November 12, 2020:** Dr.L.Ravikumar, Professor, Department of Mechanical Engineering, Dr.V.Arun Kumar, Consultant, R&D and Dr.Raghu Yogaraju, Faculty, Department of Mechanical Engineering received Indian Patent bearing No.351498 for an invention titled ‘Bearings Comprising Smart Materials’

**November 12, 2020:** Dr.Rajeshwari Hegde and Dr.M.K.Prasanna Kumar, Faculty, Department of Electronics & Telecommunication Engineering published research paper titled “Learning Outcomes of a National Level Project Contest” in Journal of Engineering Education Transformations (Scopus Indexed) Volume 34, Issue 2. This paper is the outcome of ‘TELECOMBAT’ A National level project contest

**November 12, 2020:** Placement Club of the Department of Computer Applications conducted an activity for MCA students to acquire coding skills using Hackerrank. The Topic to work in Hackerrank was based on Queues, various uses of Queue’s and its application

**November 12, 2020:** Department of Management Studies coordinated Guest Lecture on “Investor Awareness Program” for the students of 2019 hosted by Ms.Soumya organized by Finsafe India Private Limited. The lecture was delivered by Ms.Anusha Rathore who has more than 16 years of experience spanning across banking & Mutual fund industry



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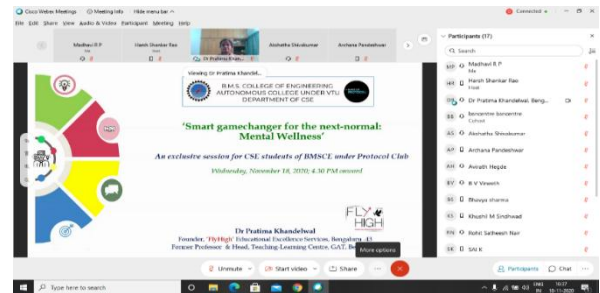
**November 15, 2020:** IEEE Power & Energy Society BMSCE Student Chapter in collaboration with Bolivian Student Chapter organized a Webinar on “Computer vision and AI for new age automotives”. Resource Person was Dr.Nagesh Poojary, Head of Computer Vision, Continental India Ltd.. Bengaluru

**November 16, 2020:** Dr.Rajath Vasudevamurthy, Faculty, Department of Electronics & Communication Engineering was invited as a resource person to deliver a series of four talks in the two-week online Student Induction Programme organized by AICTE for the first year engineering students all over India from November 16-19, 2020

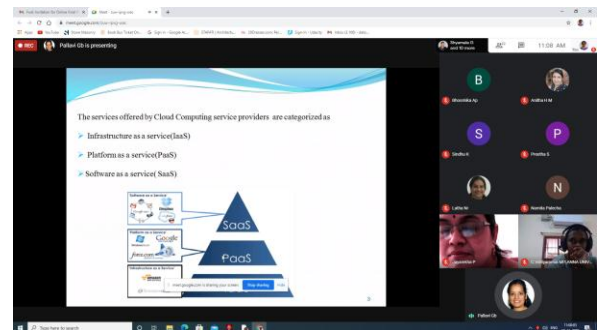
**November 16, 2020:** Dr.S.Manoharan, Faculty, Department of Management Studies was invited as resource person for the six day National Level Faculty Development Programme on “Teaching Learning Practices in 2020” by Hindustan College of Arts & Science, Coimbatore from November 16-21, 2020

**November 17, 2020:** Dr.H.S.Guruprasad, Professor, Department of Information Science & Engineering and Dean (Students Affair) and Dr.B.R.Shambhavi, Faculty, Department of Information Science & Engineering were invited as resource persons for the AICTE sponsored STTP “Outcome Based Education for Technical Institutions” by Rajagiri School of Engineering & Technology, Kerala

**November 18, 2020:** Department of Computer Science & Engineering organized Technical Talk (online) on “Smart Game Changer for New Normal: Mental Wellness” for the Under-Graduate students. The talk was delivered by Dr.K.Pratima, Founder Fly High Educational Excellence Services, Bengaluru



**November 19, 2020:** Department of Information Science & Engineering organized Final Ph.D. Viva-Vice (online) examination in respect of research scholar Smt.G.B.Pallavi under the guidance of Dr.P.Jayarekha, Professor of the Department and external Examiner Dr.Valliyammai, MIT, Anna University. Research title “Design and Development of Secure and Dynamic Resource Sharing Techniques in Multi-tenancy”





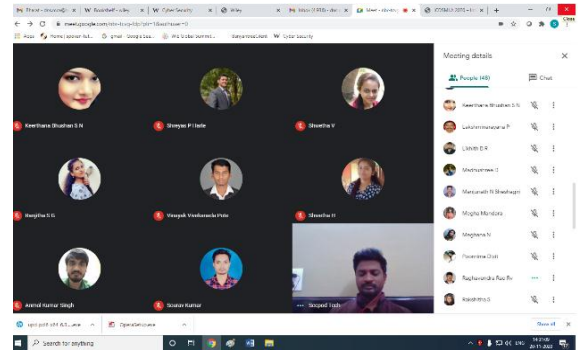
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**November 20, 2020:** Mr.Gurukiran Prabhu, student of Electrical & Electronics Engineering and Mr.H.M.Kruthik, student of Mechanical Engineering executed a project titled “**Innovative Methodology for content development facilitating effective study of Electrical Machines using Mixed Reality**” sponsored by Dassault Systems La Foundation under the guidance of **Dr.P.Meena, Professor .& Head, Department of Electrical & Electronics Engineering and Sri.N.V.Sreekanth, Faculty, Department of Mechanical Engineering.** The project was selected amongst 10 representative projects to be presented during Annual Day worldwide inauguration Conference

**November 20, 2020:** Dr.V,Umadevi, Head, Department of Computer Science & Engineering, was invited as panelist for the topic “Information Technology -Artificial intelligence and its adaption in developing countries” at ASPIRE: A Multidisciplinary International Conference organized by G H Raisoni College of Commerce, Science & Technology, Nagpur

**November 20, 2020:** Department of Computer Applications organized a webinar on “Cyber Security Threats, Vulnerabilities” as a part of extension lecture series. Resource person was Mr.V.Bharath Kumar (Alumni 2012 Batch), Senior Software Engineer, Secpod Technologies, Bengaluru



**November 21, 2020:** Ms.Ritika Siyal, Mr.Yasho Mangal, Mr.Manu Saraogi and Ms.Vishnupriya Bharadwaj, students of 5<sup>th</sup> semester Electronics & Communication Engineering under the guidance of Dr.Rajath Vasudevamurthy, Faculty of the Department represented BMSCE in a Virtual Labs venture setup by the company called Social Proton in association with IUCEE and successfully demonstrated three experiments after undergoing one month training programme organized by the same company

**November 21, 2020:** Department of Computer Applications in association with B.S. Narayan Centre for Advanced Learning and Software Development organized a webinar on “TESTFLIX” for the students of MCA, CSE & ISE

**November 21, 2020:** Dr.D.N.Sujatha, Professor, Department of Computer Applications was invited as panelist for a panel discussion on “Opportunities for Students in Pandemic Situation” by Nokia University Conclave -2020.



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**November 22, 2020:** IEEE Power & Energy Society, BMSCE Student Chapter in collaboration with IEDC BIT organized Entrepreneurship event “Zero to one: Making ideas happen”. Resource persons were Mr.Siddharth Nair and Mr.Atheeth S Prasad, Research scholars, IISc Bangalore

**November 23, 2020:** BMSCE Virtual Lab in association with Virtual Lab NITK, Surathkal organized two days Workshop (online) on “Virtual Lab Conduction” for faculties from November 23-24, 2020

**November 23, 2020:** Dr.Suresh Ramasswamy Reddy, Professor, Department of Civil Engineering was invited as speaker in the National Level One Week Online ISTE Short term Training programme on “Outcome Based Education(OBE) and NBA SAR filling” by School of Engineering, Nalla Narasimha Reddy Education Society’s Group of Institutions, Hyderabad from November 23-28, 2020

**November 23, 2020:** Dr.A.N.Nagashree & Dr.V.Champa Faculty, Department of Electrical & Electronics Engineering received Indian Patent grant titled “A process to extract liquid dielectric coolant from the sesame oil” with Patent No.351971

**November 23, 2020:** Dr.Maligi Anantha Sunil, Faculty, Department of Electronics & Communication Engineering submitted project titled “**Fabrication of Copper based quaternary chalcogenide semiconductors for photovoltaic applications**” to Science and Engineering Research Board (SERB). His project has been approved for funding under Teachers Associate ship for Research Excellence (TARE) for a period of 3 years

**November 23, 2020:** Department of Medical Electronics organized a talk on “Profile Building for Higher Education & Placements” for the students of 5<sup>th</sup> & 7<sup>th</sup> semester. The talk was delivered by Mr.Nitin Ravi – Founder Member, Career Labs, Bengaluru

**November 24, 2020:** Dr.B.V.Ravishankar, Principal and Dr.Mangala Keshava, Director, IQAC were invited to deliver a talk on “NAAC Awareness” in the two day event organized by Dayananda Sagar University in association with BITES, Bengaluru from November 24-25, 2020







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**November 24, 2020:** Department of Mechanical Engineering in association with Mechanical Engineering Association organized a talk on “Writing Case study” for the final year students of Mechanical Engineering. The talk was delivered by Sri.H.R.Sridhar, Department of Management Studies of BMSCE

**November 24, 2020:** Dr.V.Champa & Dr.A.N.Ngashree Faculty, Department of Electrical & Electronics Engineering received Indian Patent grant titled “A process to extract liquid dielectric coolant from the Rice bran oil” with Patent No.352034

**November 24, 2020:** Sri.J.J.Lohith, Faculty, Department of Computer Science & Engineering was invited as expert for five days Faculty Development Programme on “Blockchain Technology” organized by BIT, Bengaluru. He delivered hands-on session on Ethereum Smart contracts



**November 24, 2020:** Department of Medical Electronics organized Extension Lecture Series Webinar on “Siemens Industry Interface Program Introduction”. Resource person was Mr.Swaminathan Siemens Healthineers

**November 25, 2020:** Dr.R.V.Ranganath, Professor, Department of Civil Engineering was invited to deliver a lecture (online webinar) “Self-Assessment Report (SAR): Overview of changes, How to prepare the SAR and effect Improvements during the process in the “Awareness Webinar on OBE and Accreditation” organized by National Board of Accreditation in association with JNTU Hyderabad for the engineering teachers of Telangana State

**November 25, 2020:** The following faculty of the Department of Mechanical Engineering were invited to deliver talks in the Three Days (online) Workshop on Rotors and Bearing Systems by SRM Institute of Science & Technology, Tamil Nadu

- Dr.Raghu Yogaraju, delivered a talk on “Futuristic Rotor and Bearing Systems”
- Dr.G.Saravana Kumar, delivered a talk on “Squeeze film Damper Bearings”

**November 25, 2020:** Sri.J.J.Lohith, Faculty, Department of Computer Science & Engineering was invited to deliver talk on “Introduction to Ethereum Smart contracts” by LSB Institute of Technology for Women, Kerala

**November 25, 2020:** Dr.B.Kanmani, Professor & Head, Department of Electronics & Telecommunication Engineering was invited as resource person for the afternoon session on “Designing assessments to address the defined Course Outcomes” in the AICTE Sponsored STTP - Outcome Based Education with Assessment and Evaluation, Phase-I by

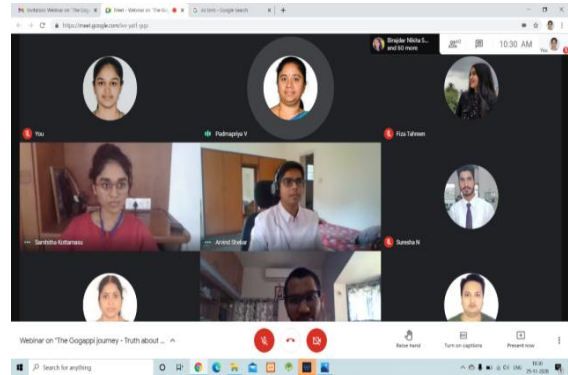
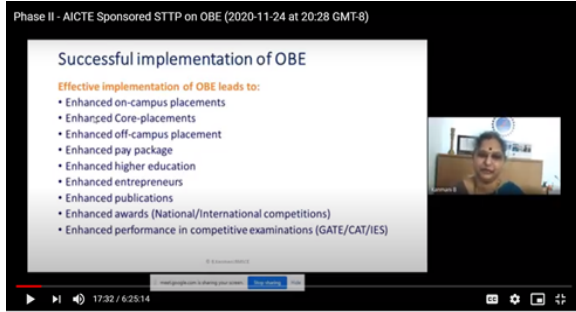


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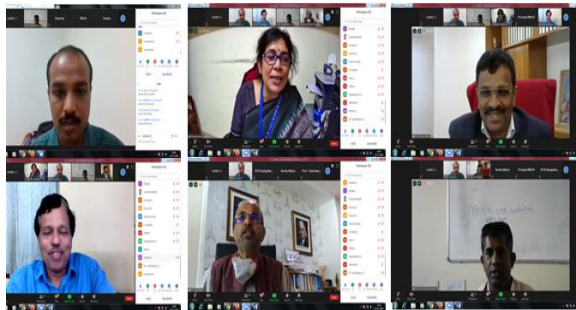
Sahrdaya College of Engineering and Technology, Kerala

Ms.Samhitha Kottamasu, CM/DO, Entrepreneurs and Co-founders of Gogappi



**November 25, 2020:** Dr.Samita Maitra, Professor, Department of Chemical Engineering & Dean (Academic) was invited to deliver talk (online) on “Online Teaching A New Normal” in a webinar on Education and Learning in Pandemic Times for Third World Academy of Sciences - Central & South Asia Regional Partner, organized by TWAS-CASAREP

**November 25, 2020:** Dr.G.Chandra Shekara, Faculty, Professor, Department of Mathematics along with Mr.S.V.Harsha, Research Scholar presented research paper titled “Effect of magnetic field on Stability of power law fluid flow through vertical porous channel in the National Conference (online) Inana Chilume organized by Jain Deemed-to-be-University, Ramanagaram District



**November 25, 2020:** BMSCE Industry Institute Interaction Cell (IIIC) in association with the BMSCE- IEEE WiE-SB wing of Department of Computer Applications organized a webinar on The Gogappi journey - Truth about starting a company (and what they don't tell you)” for the students of 3<sup>rd</sup> & 5<sup>th</sup> Semester students. The talk was delivered by Mr.Arvind Shekar, CTO, Mr.Arjun Ramesh, COO and

**November 26, 2020:** Dr.R.V.Ranganath, Professor, Department of Civil Engineering was invited as speaker in the National Level one Week (online) ISTE Short term Training programme on “Outcomes Based Education and NBA SAR filling” organized by School of Engineering, Nalla Narasimha Reddy’s Group of Institutions, Hyderabad from November 23-28, 2020

**November 26, 2020:** Dr.A.R.Anil Chandra, Faculty, Department of Mechanical Engineering was invited to deliver (online) a lecture on “Fatigue of Composite Materials” in the Short Term Training Programme by R. V. College of Engineering, Bengaluru



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**November 27, 2020:** Dr.R.V.Ranganath, Professor, Department of Civil Engineering was invited to deliver a lecture (online webinar) on “Self-Assessment Report (SAR): Overview of changes, How to prepare the SAR and effect improvements during the process” in the “Awareness Webinar on OBE and Accreditation” organized by National Board of Accreditation, New Delhi in association with College of Engineering, Pune for the engineering teachers of Maharashtra State

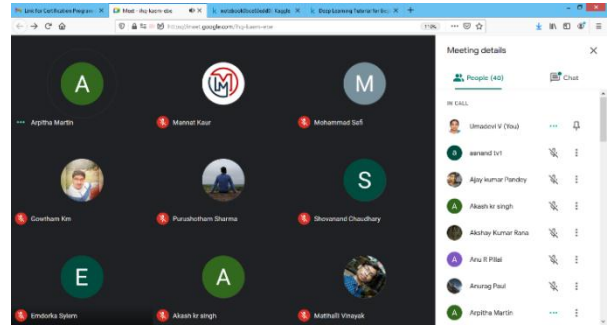
**November 27, 2020:** Dr.Rajeshwari Hegde, Faculty, Department of Electronics & Telecommunication Engineering was invited as a panel member for the pre-registration colloquium of a research scholar by Heartfulness Research Center, Mysuru



**November 27, 2020:** Department of Computer Applications organized hands on workshop on “Git and Github”

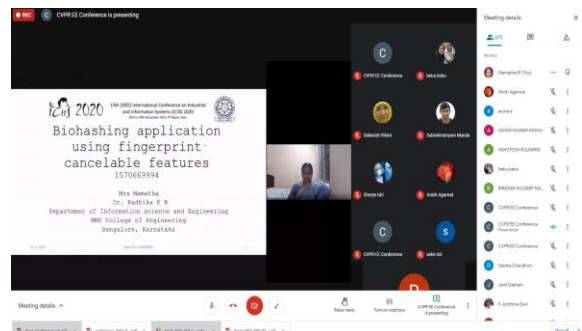


**November 28, 2020:** Dr.V.Umadevi, Head, Department of Computer Science & Engineering was invited to deliver a webinar on “Deep learning for Beginners” by RR Institute of Technology, Bengaluru



**November 28, 2020:** Dr.P.Jayarekha Professor, Department of Information Science & Engineering was invited to review Annual Academic Audit/NBA Compliance 2019-2020 Process by Dayananda Sagar Academy of Technology and Management, Bengaluru

**November 28, 2020:** Dr.K.R.Radhika and Smt.Mamatha, Faculty, Department of Information Science & Engineering presented research paper titled “Biohashing application using fingerprint cancelable features” in the 15<sup>th</sup> IEEE International Conference on Industrial and Information Systems (ICIIS) 2020 held at IIT Roopar





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**November 28, 2020:** Department of Computer Applications in association with B.S. Narayana Centre For Advanced Learning and Software Development, coordinated a webinar on “How is Blockchain going to Change Marketing”, conducted by BirthVenue Pvt Ltd., for the students of 3<sup>rd</sup> semester

**November 28, 2020:** Department of Management Studies was invited to partner with Bodhananda Research Foundation for Management & Leadership Studies (BRFML) & The Sambodh Society Inc. USA for the Online International Seminar (online) on “Holistic Living and Self-

Healing under the Corona Pandemic” from November 28-29, 2020. The main aim to partner to this event was to promote Holistic Living among students under the VYASA (Vedanta, Yoga, Ayurveda, Sanskrit & Arthasasthra) framework. Dr.Leena S Guruprasad was invited as Panelist

**November 30, 2020:** Dr.Divijendranatha Reddy, Head, Department of Biotechnology published an article titled “**Identification of potential biomarkers for lung adenocarcinoma**” in the **International Journal, Heliyon 6 (2020) e05452** November 2020

**November 30, 2020:** Dr. Veena Jawali, Professor, Department of Mathematics published research paper titled “**The Effect of Magnetic Field on Oberbeck Double Diffusive Convection in an Inclined Rectangular Cavity**” in the **International Journal of Analytical and Experimental Modal Analysis, Vol. XII, Issue: XI, PP: 859-881, ISSN: 0886-9367**

**November 30, 2020:** Dr.H.M.Shivaprasad & Dr.G.Giridhara, Faculty, Department of Mechanical published **Lecture Notes in Mechanical Engineering “Feasibility Studies on Newly Conceptualized Inter-shaft Squeeze Film Damper (ISSFD) Rings for Vibration Attenuation” in Springer, pp 267-278, 2021**

**November 30, 2020:** Dr.B.N.Sarada, Faculty, Department of Mechanical Engineering published research paper titled “**Parametric Studies on Thermoplastic Composite Welding for Aerospace Applications**” in the **International Journal of Innovations in Engineering Research and Technology, 7(4), 2020, 125-132**

**November 30, 2020:** Dr.M.V.Murugendrappa, Head, Department of Physics was invited to deliver a talk on “Synthesis and Characterization of Conducting Polymers For Sensors Applications” in the AICTE Sponsored Two-week online Faculty Development programme on Advanced Physics for Engineers by Thanthai Periyar Government Institute of Technology, Vellore, from November 11 – December 8, 2020

