



**B.M.S. COLLEGE OF ENGINEERING, BENGALURU**  
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**REPORT ON COLLEGE ACTIVITIES – DECEMBER 2019**

**December 1, 2019:** BMSCE was one of the examination centre for conducting written examination for recruiting Police constable

**December 1, 2019:** Sri.P.Lakshminarayana, Faculty, Department of Computer Applications published research paper titled “Adaptive Crow Search Optimization with ANFIS for Predicting the Software Reliability in Banking sector” in the International Journal of Scientific and Technology Research (IJSTR), Volume 8, Issue 11, November 2019 ISSN 2277-8612787 [IJSTR©2019 [www.ijstr.org](http://www.ijstr.org)]

**December 2, 2019:** Department of Electrical & Electronics Engineering organized technical talk on “Documenting Research”. The talk was delivered by Dr.S.S.Murthy, Former Professor, IIT Delhi, INAE, DVP for faculties, PG Students and Research Scholars



**December 2, 2019:** Dr.C.Lakshmi Narayana, Professor Department of Electrical & Electronics Engineering was invited to deliver an expert lecture on “Optimization techniques for power system problems, AI Based algorithm for reactive power compensation in Deregulated Environment” in the one week Faculty Development Program on Recent research concept and key

concepts in Electrical Engineering by Delhi Technological University held from December 2-6, 2019

**December 4, 2019:** Dr.K.Guruprasad, Professor, Department of Mechanical Engineering was nominated Observer by National Testing Agency to conduct the UGC-NEET Exam at ICRIS Pareeksha, Bengaluru from December 4-6, 2019

**December 4, 2019:** Department of Management Studies organized Extension Lecture on “Careers for Management Graduates” for the students of 3<sup>rd</sup> Semester. The lecture was delivered by Mr.Perala Bana Bhattaraka Bharath Sharma, Associate Director, International Institute of Skill & Excellence Pvt., Ltd.



**December 5, 2019:** Dr.M.V.Murugendrappa, Head, Department of Physics was nominated as external examiner for Pre-Ph.D. Comprehensive viva-voce examination of research scholar Mrs.K.R.Bhagya and Ms.K.R.Jyothi by RYM Engineering College, Bellary



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**December 5, 2019:** Ms.P.G.Nisha, Research Scholar, Department of Physics presented Ph.D proposal under Women Scientist Scheme-A (WOS-A), at Anna University, Chennai. She is awarded with Women Scientist fellowship under DST, Government of India for a period of 3 years

**December 6, 2019:** NBA Expert Committee visited the campus for evaluation of five Post-Graduate programmes



**December 6, 2019:** Dr.M.S. Dharmaprakash, Professor and Dr.K.L.Nagashree, Faculty, Department of Chemistry published a peer reviewed research paper titled “Green synthesis of silver nanoparticles (SNPs)-modified electrode for electrochemical detection of nitrobenzene” Journal of the Iranian Chemical Society, DOI: <https://doi.org/10.1007/s13738-019-01822-z>

**December 9, 2019:** The following faculty members of the Department of Mathematics attended in the 64<sup>th</sup> Congress of Indian Society of Theoretical and Applied Mechanics (ISTAM-2019) held at IIT, Bhubaneswar from December 9-12, 2019 and presented the following research papers:

- Mr.R.Rahul, presented paper titled “Mathematical Modeling of Drug Dynamics in Arterial Drug-eluting stent”
- Dr.G.Chandra Shekara presented paper titled “Pseudo-spectral Solution of Thermal Instability of Nano-fluid flow through a channel”
- Dr B. Mallikarjuna, presented paper titled “A study of Cu/Ag Nanoparticle based heat transfer Augmentation in Darcy brinkmann forchheimer flow in square cavity”

**December 9, 2019:** Ms.M.R.Deepthee, Faculty, Department of Mathematics completed her Ph.D Viva Voce examination Title “Mathematical modelling of wireless chip to chip communication” from University of Nottingham, UK

**December 10, 2019:** College Council meeting was held to discuss about the recent NBA visit





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**December 10, 2019:** Department of Electrical & Electronics Engineering organized exhibition of Project Posters carried out by students of 7<sup>th</sup> & 5<sup>th</sup> semester – self-study



**December 10, 2019:** Dr.K.R.Sudhindra, Faculty, Department of Electronics & Communication Engineering was invited to deliver a talk on “LTE evolution towards 5G”, by Malnad College of Engineering, Hassan



**December 10, 2019:** Department of Computer Science & Engineering organized live telecast of the “Webinar from University of California at Davis for Master in Business Analytics”. The University of California at Davis has come forward for an effort towards their MSBA program



**December 10, 2019:** Dr Rajeshwari Hegde, Faculty, Department of Electronics & Telecommunication Engineering along with Dr.Harish Kenchannavar, Professor & Head, Department of Information Science & Engineering, Gogte Institute of Technology, Belagavi received Rs.2.00 lakh for the proposal titled “Analysis of brain signals to evaluate the effect of meditation in controlling negative emotions using Intelligent system” under TEQIP Competitive Research grant funded by VTU

**December 11, 2019:** Dr.P.Meena, Professor & Head, Department of Electrical & Electronics Engineering along with Dr.K.Uma Rao, Faculty RVCE and Mr.R.Venkataswamy, Research Scholar presented research paper titled “Internet of Things based Metaheuristic Reliability Centered Maintenance of Distribution Transformers” in the International Conference on Sustainable Energy and Green Technology 2019 (SEGT 2019) held from December 11-14, 2019 in Bangkok. Elsevier Conference



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**December 11, 2019:** Department of Electrical & Electronics Engineering conducted meeting on Consultancy work in Dielectrics lab with the Department of Electrical & Electronics Engineering, MSRIT



**December 11, 2019:** Department of Computer Science & Engineering conducted PRISM, Samsung Research and Development centre, test to select students to work in their research project



**December 11, 2019:** The following faculty members of the Department of Biotechnology presented research papers in IWSA Triennial Conference at ICMR-NIN, Hyderabad

- Dr.Savithri Bhat presented papers titled “Optimization of culture media for the in vitro micropropagation of bacopa

monnieri and its phytochemical analysis” and “Production of synthetic seeds for increased shelf life and germplasm storage using cladosporium oxysporum as an inoculant”

- Dr.Rashmi shenoy, presented paper titled “A Triterpene glycoside fraction TG from gymnemasyvestre ameliorates insulin resistance by stimulating glucose uptake in 3T3L1 adipocytes and C2C12 skeletal muscle cells”

**December 12, 2019:** Dr.S.Srinivas, Faculty, Department of Mechanical Engineering along with M.Tech. students presented research papers titled “Performance evaluation of the holes drilled in CFRP composites by conventional and abrasive water jet drilling” and “Study on influence of process parameters on depth of cut, surface roughness and abrasive embodiment in the abrasive water jet cutting of unleaded brass” in the International Conference on Precision, Meso, Micro and Nano Engineering (COPEN 2019) held at IIT Indore, December 12-14, 2019

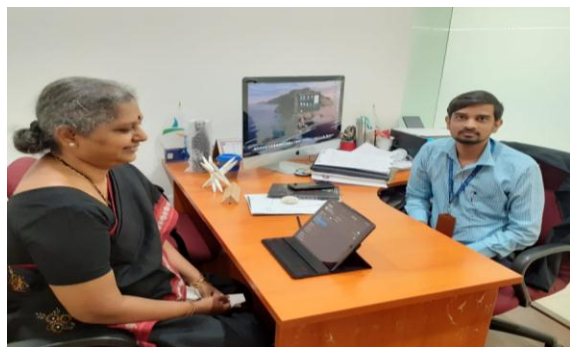
**December 12, 2019:** Dr.B.Ravi Shankar, Professor, Department of Industrial Engineering & Management presented research paper titled “Automation in internal Logistics: strategic and operational Challenges” in the 5<sup>th</sup> International Conference on Industrial Engineering (ICIE-2019) & 61<sup>st</sup> National Convention of Indian Institution of Industrial Engineering held at Sardar Vallabhbai National Institute of Technology, Surat from December 12-14, 2019



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**December 12, 2019:** Dr.B.Kanmani, Professor & Head, Department of Electronics & Telecommunication Engineering handled two fore-noon sessions organized during the AICTE-Mardharshan funded FDP on ‘Outcome Based Education (OBE) Implementation towards Accrediation’ by Kalasalingam Academy of Research and Education, (Deemed to be University), Krishnakoil, Srivilliputtur, Madurai - Tamil Nadu, through skype session



**December 13, 2019:** Dr.B.N.Shubha, Professor & Head, Department of Management Studies was invited to Chair a technical session in the International Conference on “New Work Order - Hopes and Challenges” by the School of Business Studies and Social Science, CHRIST (Deemed to be University) in collaboration with the HAN University, Netherlands UK

**December 14, 2019:** Dr.B.V.Ravishankar, Principal was invited to deliver a lecture on “Process of NAAC” by SKIT, Bengaluru



**December 13, 2019:** Dr.P.Meena, Professor & Head, Department of Electrical & Electronics Engineering and Ms.Mukthanjali M.Tech student presented research paper titled “Investigations on IGBT Failures for a Solar Pump Variable Frequency Drive Application” in the ICEECCOT-2019 Conference organized by GSSS Institute of Engineering & Technology for Women, Mysuru from December 13-14, 2019

**December 14, 2019:** Dr.S.Raghunath, Professor, Department of Civil Engineering was invited to deliver a lecture on “Potential of structural Masonry in Housing Sector” in the International Seminar organized by Builders Association of India, Mysuru

**December 14, 2019:** Dr.Chandasree Das, Faculty, Department of Electrical & Electronics Engineering along with her Ph.D students Ms.Diptoshi Roy and Mr.K.Jagannatha published research paper titled “Manifestation of intermediate phase in Cu doped Si-Te glasses” in the Journal of Non-Crystalline Solids, Elsevier





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**December 14, 2019:** Department of Chemical Engineering organized final PhD Viva-Voce in respect of Smt.Y.K.Suneetha, Faculty of the Department under the guidance of Dr.G.N.Rameshaiah

**Title of the thesis:** “Enzymatic hydrolysis of chitin-process analysis and development”



**December 16, 2019:** Department of Electronics & Communication Engineering organized a talk on “EMI and EMC” for the faculties and PG Students. The talk was delivered by Mr.Aravind Kamat, Robert Bosch Engineering solutions



**December 16, 2019:** Dr.V.Saisha, Dr.M.Rajyalakshmi and Smt.S.Ashwini Faculty, Department of Biotechnology submitted a sequence of Klebsiella varicola to gene bank. The sequence was published on Gene bank accession number SUB66703698756/8850 MN81402

**December 18, 2019:** Department of Mechanical Engineering conducted Ph.D Viva Voce examination in respect of Mr.H.M.Shivaprasad, Faculty of the Department under the guidance of Dr.G.Giridhara

**“Title of the Thesis:** Intershaft Squeeze Film Dampers – An Investigative Study”



**December 18, 2019:** Dr,Divijendanatha Reddy, Head, Department of Biotechnology was invited to chair a session in the National Conference on Data Revolution in Computational Biology and Drug Development organized by St. Joseph’s College, Bengaluru. He also delivered a talk on “BIG data and its role in Cancer”

**December 18, 2019:** Department of Management Studies organized Industrial visit to Dairy Day Ice-cream Factory for the students of 1<sup>st</sup> semester (B section)





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**December 18, 2019:** Department of Management Studies organized Industrial visit to Iskcon Akshaya Patra Kitchen Unit for the students of 1<sup>st</sup> semester (A section)

**December 19, 2019:** Dr.B.V.Ravishankar, Principal was invited to participate in the panel discussion on “Role of industry in designing engineering and Management curriculum by New Horizon College of Engineering, Bengaluru



**December 19, 2019:** Dr.B.V.Ravishankar, Principal was also invited to deliver a talk on “Opportunities and Challenges for growing Professional Leaders” by New Horizon College of Engineering, Bengaluru



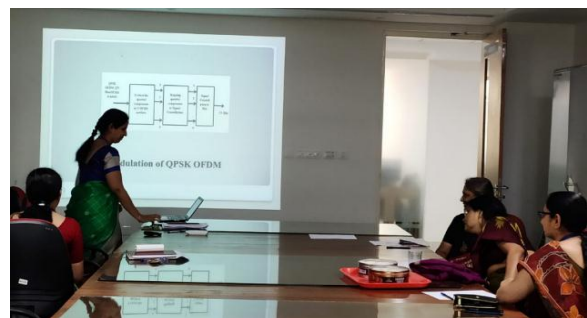
**December 19, 2019:** Dr.K.Panimozhi Faculty, Department of Computer Science & Engineering was invited as expert member as a part of end term evaluation to the students of Bachelor of Fashion Technology, National Institute of Fashion Technology (NIFT), Bangalore for the course “Internet of Things”

**December 19, 2019:** The following faculty members of the Department of Electronics & Telecommunication Engineering presented Open Seminar under the guidance of Dr.B.Kanmani as a part of their research activity:

Smt.K.P.Pushpavathi, presented open seminar on “Digital filters for Carrier Aggregation”



Smt.M.Vasantha Lakshmi presented open seminar titled “Simulation Study of PAPR reduction in OFDM schemes”





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**December 19, 2019:** Dr.S.Manoharan, Faculty, Department of Management Studies was invited as resource person in the International Conference on “Consumer motives of Fantasy Sports among Millennials of India – A case of Dream 11” by Great Lakes Institute of Management, Chennai held from December 19-20, 2019

**December 19, 2019:** Dr.B.L.Suresha, Faculty, Department of Physics and Mr.H.S.Sumantha, Research Scholar Department of Physics presented research paper titled “Synthesis and characterization of Multiwalled carbon nanotubes by chemical vapour deposition over Calcium carbonate catalyst” 5in Materials For Environment, Sustainable Society And Global Empowerment – 2019 (MESSAGE – 2019) in the TEQIP III Sponsored Conference at Visvesvaraya Technological University Center for Postgraduate Studies, Muddenahalli, Chikkaballapur from December 19-20, 2019



**December 19, 2019:** Mr.M.Udaykumar, Research Scholar Department of Physics presented research paper titled “Synthesis and structural and optical properties of In filled  $\text{CoSb}_3$  Nanomaterials” in the International Conference on Multifunctional Materials (ICMM-2019) organized by

Geethanjali College of Engineering and Technology, Hyderabad from December 19-21 2019



**December 20, 2019:** Dr.Minu Zachariah, Faculty, Department of Management Studies was invited to Chair a Session in the International Conference on “Innovative Research in Engineering, Management & Sciences” by New Horizon Knowledge Park, Bengaluru



**December 20, 2019:** Department of Computer Applications organized a visit to ISCKON-World's largest school meal program providing food to almost a million children across 6 states everyday for the students of 1<sup>st</sup> semester





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**December 21, 2019:** BMSCE Alumni Association organized 8<sup>th</sup> Annual Alumni Day. Students who are meritorious in academics and sports were awarded scholarship



**December 24, 2019:** Department of Biotechnology organized presentation of open seminar by Research scholars



**December 23, 2019:** Dr.P.Jayarekha, Professor, Department of Information Science & Engineering was invited as Resource Person for TEQIP 1.3 Sponsored 5 Days Training Program On “Outcome Based Education and NBA Accreditation” by Dayananda Sagar Academy of Technology & Management ,Bengaluru from December 23-29, 2019



**December 28, 2019:** The following Faculty, Department of Mechanical Engineering along with M.Tech. students presented research papers in the 25<sup>th</sup> National and 3<sup>rd</sup> International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2019) held at IIT-Roorkee, Roorkee from December 28-31, 2019

- Dr.Venkatesh T Lamani, Dr.Rudra Naik, Dr.Bheemsha Arya and Dr.L.Ravi, Faculty, published papers titled “Fire Simulation of Car Park to Optimise Fire Ventilation System” and “Nanoparticles use for the effective hyperthermia of liver tumor”



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**December 28, 2019:** Department of Management Studies organized Extension Lecture on “Brand India Business Perspectives” for the students of 1<sup>st</sup> semester. The lecture was delivered by Ms.Yashaswi, Entrepreneur for 1semester students

**December 28, 2019:** Department of Management Studies organized Extension Lecture on “Sustainable Organization Impact on Global Business” for the students of 1<sup>st</sup> semester. The lecture was delivered by Ms.Madhuri Desai, HR, Mercedes Benz

**December 28, 2019:** Department of Management Studies organized Industrial visit to Garuda Polyflex Foods Pvt. Ltd., for the students of 1<sup>st</sup> semester (A section)

**December 30, 2019:** Department of Management Studies organized Industrial visit to Adarsh Machine Tools Pvt. Ltd.,for the students of 1<sup>st</sup> semester (B section)

**December 28, 2019:** The Placement Club of the Department of Computer Applications conducted various placement activities like C Programs and group discussion



**December 31, 2019:** College Council meeting was held to discuss regarding commencement of Even Semester and Plan of Action (Road Map) for 2020



**December 31, 2019:** Sri.Ram Rohit Vannarth, Faculty, Department of Mechanical Engineering published research paper titled “Characterisation of Natural Oils as Carrier Fluids for Magnetorheological Fluids” in the International Journal of Engineering Materials and Manufacture (2019) 4 (4) 164 - 169 <https://doi.org/10.26776/ijemm.04.04.2019.04>

**December 31, 2019:** Sri.Shashiraj, Faculty, Department of Mechanical Engineering performed Yakshagana at various places during the month





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**December 31, 2019:** Dr.M.Arjun, Faculty, Department of Electrical & Electronics Engineering published research paper titled “Small Signal Model for PV Fed boost converter in Continuous and Discontinuous Conduction Modes” in IEEE transactions in circuit and System

**December 31, 2019:** Dr.Savithri Bhat, Faculty, Department of Biotechnology published research paper titled “An Empirical Algorithm using Derivative Difference for Estimating Chlorophyll-A in Case-II Water” in the Cloud Publications International Journal of Advanced Remote Sensing and GIS 2020, Volume 9, Issue 1, pp. 3170-3184 ISSN 2320 – 0243,Crossref:10.23953/cloud.ijarsg.444