



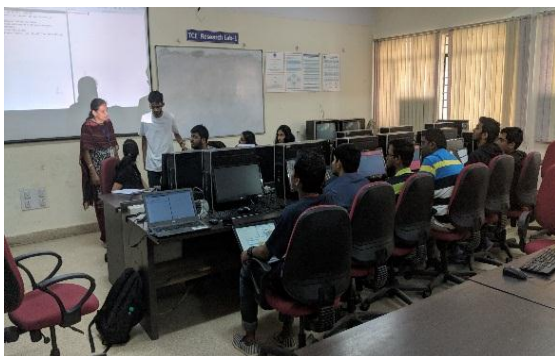
REPORT ON COLLEGE ACTIVITIES – December 2018

December 1, 2018: Dr.R.V.Ranganath, Professor, Department of Civil Engineering was invited for the meeting of Washington Accord Review by NBA at New Delhi

December 1, 2018: Department of Telecommunication Engineering organized a talk on “Importance of writing a research paper”. The talk was delivered by Dr.Sharath Kumar, CTO, Reliance JIO, Bengaluru



December 1, 2018: Department of Telecommunication Engineering organized a session on coding for the students of Coding Club. Resource person was Mr.B.S.Anil, Alumni, Founder-Octate Electronics



December 1, 2018: Department of Telecommunication Engineering organized a concluding session of the Course Computer Networks-I for the students of 5th semester. Part of the Course and the

concluding session was handled by Mr.Samba Murthy, General Manager, Viven Tech Mark Pvt Ltd, Bengaluru



December 1, 2018: Department of Chemical Engineering organized Guest Lecture on “Applications of Fluid Mechanics in Process Design” for the students of 5th semester. The lecture was delivered by Mr.Krishnam Raju, Senior Process Engineer and Mr.Lakshmi Narayan, Senior Project Manager, Shell Technology Center, Bengaluru

December 1, 2018: Dr.K.Vijayakumar, faculty, Department of Computer Applications presented research paper titled “Divide-and-Conquer Framework with Feature Partitioning Concepts” in the 1st International Conference on Data Science and Analytics, (IEEE PuneCon 2018) held at Symbiosis Institute of Technology, Pune from November 30 – December 2, 2018

December 2, 2018: Department of Biotechnology organized lecture on “Thermodynamics” under TEQIP III. The lecture was delivered by Dr.H.N.Vishwanath, Multiplex India, Bengaluru



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December 3, 2018: Sri.Harish V Mekali, faculty, Department of Electronics Engineering presented research paper titled “Design and Development of Automatic Temperature Control System for Solar Water Heater Systems” in the IEEE International Conference on Power and Energy (PECON18) held at Malaysia from December 3-4, 2018. The Paper has been co-authored by UG students from different discipline EEE and CSE, PG Students and Industry person, viz., Mr.Somashekar, M.Tech (Digital Communication), Mr.G.Adithya (Electrical), Mr.Arfan (Electrical). Mr.Kiran (Computer Science) and Ms.Sushmitha, Nuetech Solar Systems Pvt. Ltd



December 3, 2018: Department of Telecommunication Engineering organized a concluding session of the Course Wireless Communication for the students of 7th semester. Part of the Course and the concluding session was handled by

Dr.Sharath Kumar, CTO, Reliance JIO, Bengaluru



December 3, 2018: Department of Chemistry organized one week MHRD sponsored GIAN programme on “Lithium Ion Batteries: Fundamentals, Characterization Techniques and Applications” from December 3-8, 2018. The guest faculty was Dr.M.V.Venkatashamy Reddy, National University of Singapore



December 4, 2018: Department of Mechanical Engineering organized an interaction with Dr.Vidya Sundararajan, Head, Strategic Planning and Human resource Development Division, Indira Gandhi Centre for Atomic Research, Department of Atomic Energy, Government of India on “Nuclear Energy-Challenges and opportunities” for the students of 5th semester. This interaction also provided a platform for the department and the Placement Cell to



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discuss regarding the internship, job and higher studies opportunities available for the students at IGCAR



December 5, 2018: Dr.K.S.Vasundhara Patel, Professor, Department of Electronics Engineering, Dr.M.V.Murugendrappa, Head, Department of Physics and Dr.Gurumurthy Hegde, Associate Professor, BMS R&D Centre and Prof.CNR Rao Chair participated in the International Conference - 10th BENGALURU INDIA NANO 2018 organized by VGST, Government of Karnataka from December 5-7, 2018



December 5, 2018: Dr.H.N.Suma and Sri.Abhishek Appaji, faculty, Department of Medical Electronics were invited to defend the project titled “Affordable Portable Medical Kit for Road Traffic Emergencies and Traumas” at BIRAC, New Delhi



December 5, 2018: Dr.S.B.Bhanu Prashanth, Professor & Head, Department of Medical Electronics participated in the “Assistive Solutions Showcase event” organized by IIMB Bangalore, in association with Enable India



December 6, 2018: Dr.L.Ravikumar, Professor, Department of Mechanical Engineering was invited to attend EEAS meeting by NBA at New Delhi

December 6, 2018: Dr.C.Gururaj, faculty, Department of Telecommunication Engineering presented research paper titled “Proficient Algorithm for Features Mining in Fundus Images through Content Based Image Retrieval” in the IEEE International Conference on Intelligent and Innovative Computing Applications (ICONIC-2018) held at Plaine Magnien, Mauritius. He also chaired a session for the Machine Vision track in the conference



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December 6, 2018: BMSCE NSS & NCC Units participated in the Walkathon on “SAY NO TO Drugs” organized by M.Square Networks in association with Bangalore Police



December 9, 2018: Dr.H.S.Guruprasad, Professor, Department of Information Science & Engineering was invited to deliver an informative and motivational talk for the IAS/IPS aspirants at Grace IAS, Bengaluru



December 7, 2018: Dr.Prerana Gupta Poddar, faculty, Department of Electronics Engineering published research paper titled “A novel quadrilateral companding transform for PAPR reduction in OFDM systems” in the Digital Signal Processing - Elsevier Journal

December 7, 2018: Memorandum of Understanding was signed between Department of Electronics Engineering and Tequed Labs Pvt Ltd., Bengaluru for conducting FDPs, Product development and technology foundation courses with hands-on sessions



December 10, 2018: The renovated Metrology & Measurements Laboratory along with the newly commissioned Coordinate Measuring Machine facility in the Department of Mechanical Engineering was inaugurated and Hands-on training was organized to the faculty and staff of Departments of Mechanical Engineering and IEM from December 10-22, 2018



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December 10, 2018: Dr.Venkatesh T Lamani, Dr.L.Ravi, Dr.Bheemsha Arya, faculty, Department of Mechanical Engineering published research paper titled “CFD Study of blood flow in carotid artery” in the Proceedings of the 7th International & 45th National Conference on Fluid Mechanics & Fluid Power (FMFP) organized by Indian Institute of Technology-Bombay, Mumbai from December 10-12, 2018

December 10, 2018: Memorandum of Understanding signed between Department of Chemical Engineering and Central Manufacturing Technology Institute (CMTI) with regard to research activities



December 11, 2018: Dr.Maya Naik, Professor & Head, Department of Civil Engineering was nominated as Expert Member for the Local Inquiry Committee of Visvesvaraya Technological University, Belagavi for inspecting the Engineering Colleges at Raichur from December 11-13, 2018

December 11, 2018: Memorandum of Understanding signed between BMSCE and Dassault Systems for a sponsored project under La Foundation Scheme



December 12, 2018: Dr.R.Jayagowri, faculty, Department of Electronics Engineering authored a book titled “Static Timing Analysis for VLSI circuits” (978-93-87210-06-6). The 1st edition, 2018 was published by MEDTECH, Scientific International Pvt. Ltd

December 13, 2018: Dr.B.V.Ravishankar, Principal, was invited to deliver a lecture on “Ethics in Engineering Teachers” in the Workshop on NBA and NAAC Accreditation conducted by M.S.Ramaiah Institute of Technology, Bengaluru



December 13, 2018: Dr.R.V.Ranganath, Professor, Department of Civil Engineering was invited to conduct workshop on OBE by NIT Calicut for their newly recruited teachers



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December 13, 2018: Dr.J.Sharana Basavaraja, faculty, Department of Mechanical Engineering was invited to Chair a session in the International Conference TRIBOINDIA-2018 organized by VJTI, Mumbai from December 13-15, 2018. He also presented Technical Paper Titled “Study of Effect of Seal Profile on Leakage flow rate in a labyrinth seal using Computation Fluid Dynamics (CFD) analysis”

December 13, 2018: Dr.H.S.Guruprasad, Professor, Department of Information Science & Engineering was invited to deliver lecture (3 sessions) on OBE Practices in the Workshop on NBA and NAAC Accreditation conducted by M.S.Ramaiah Institute of Technology, Bengaluru

December 13, 2018: Dr.S.B.Bhanu Prashanth, Professor & Head, Department of Medical Electronics was invited for the meeting of the Heads of the Departments of Medical Electronics of various institutes at Dayananda Sagar College of Engineering, Bengaluru to deliberate on the proposal of applying for change in the program’s nomenclature from “Medical Electronics” to “Electronics and Biomedical Engineering”



December 13, 2018: Memorandum of Understanding signed between BMSCE and Indian Road Safety Campaign, Solve and Robert Bosch Engineering & Business

Solutions (P) Ltd., to engage in Road Safety Programs & activities



December 14, 2018: Department of Civil Engineering organized Guest Lecture on “Transport Planning: Challenges”. The lecture was delivered by Sri.S.Rajeev, Consultant, Transportation Engineer, Southern California, U.S.

December 14, 2018: Dr.C.Lakshminarayana, Professor & Head, Department of Electrical Engineering was invited to chair a session in the 3rd International Conference on “Electrical, Electronics, Communication, Computer Technologies & Optimization Techniques” (ICEECCOT-2018) by GSSS Institute of Engineering and Technology for Women, Mysuru from December 14-15, 2018. He also presented research paper titled “VLC for underwater operations -Li-Fi Solution for underwater short range communication”

December 14, 2018: Dr.S.Akhila, Professor, Department of Electronics Engineering presented research paper titled “Switched Capacitor Implementation of First order Sigma-Delta Modulator” in the 3rd International Conference on Electrical, Electronics, Communication, Computer Technologies & Optimization Techniques (ICEECCOT)



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December 14, 2018: Department of Electronics Engineering organized one day hands-on workshop on “Raspberry-Pi” for the students of 7th semester as part of Nokia-IOT course and an extension of NOKIA-BMSCE-MoU. Resource Person was Mr.Amogh Kashyap, R&D Engineer, Nokia India Pvt. Ltd., Bengaluru



Techniques (ICEECCOT-2018) held at GSSSIETW, Mysuru



December 14, 2018: Dr.Rajeshwari Hegde, Head, Department of Telecommunication Engineering chaired a session in the 3rd IEEE International Conference on Electrical, Electronics, Communication, Computer Technologies & Optimization Techniques (ICEECCOT-2018) held at GSSSIETW, Mysuru



December 14, 2018: Mr.Shrinidhi Mirji & Mr.K.Yogesh and Ms.H.P.Shreeya & Mr.Shubham Singh, students of First Year MBA participated in Business Quiz and secured 2nd runner up in a National Level Management & Cultural Fest SUMMIT - 2018 "ARCUS" organized by Community Institute of Management Studies



December 14, 2018: Smt.K.P.Pushpavthi, faculty, Department of Telecommunication Engineering presented research paper titled “Frequency Sampling Method of FIR Filter Design : Comparative Study” in the 3rd IEEE International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimisation

December 15, 2018: Meeting of the College Council to discuss regarding Alumni Day and conduct of Semester End Examination





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December 15, 2018: BMSCE Alumni Association organized 7th Annual Alumni Day. Students of 1976 batch were felicitated and 60 students (58 students who are meritorious in academics and two students who have achieved in sports) were awarded scholarship of Rs.10,000/- each



December 15, 2018: Dr.H.S.Guruprasad, Professor, Department of Information Science & Engineering was invited to conduct Two Days Workshop on “Outcome Based Education” by Acharya Institute of Technology, Bengaluru from December 15-16, 2018



December 16, 2018: Dr.A.Usha, faculty, Department of Electrical Engineering was invited as Chief Guest by Vidya Vikas Trust for the Annual Scholarship Distribution function and addressed the blind students

December 16, 2018: Smt.Silvia Leera Sequeira, faculty, Department of Mathematics presented research paper titled “About the Neighbourhood Alliance Sets in a Graph” in the International Conference on Mathematics and Applications (ICMA – MU 2018) held at Bangkok, Thailand from December 16-18, 2018

December 17, 2018: Department of Electrical Engineering organized Lecture on “Introduction to Machines” for the Post-Graduate students. The lecture was delivered by Dr.S.S.Murthy, Indian Institute of Technology-Delhi

December 18, 2018: Dr.D.S.Ramakrishna Scholarships were awarded to the toppers of 4th and 6th semester students of Electrical Engineering. The scholarships were distributed to the students by Dr.D.S.Ramakrishna, Professor (Retired), Department of Electrical Engineering, BMSCE



December 17, 2018: Smt.P.Gomathi, faculty, Department of Mathematics presented research paper titled “Laceability Properties in the Image Graph of Some Cyclotomic Graphs” in the Second International Conference on Pure and Applied Mathematics (ICPAM 2018) held at Saraswati Viswa Maha Vidyalaya, Kanchipuram, Chennai from December 17-19, 2018



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December 17, 2018: Department of Electronics Engineering organized a technical talk on “Wearable Technologies in Wireless Communication”. The talk was delivered by Dr. John Volakis, Professor & Greek Scientist, Florida International University Miami, USA



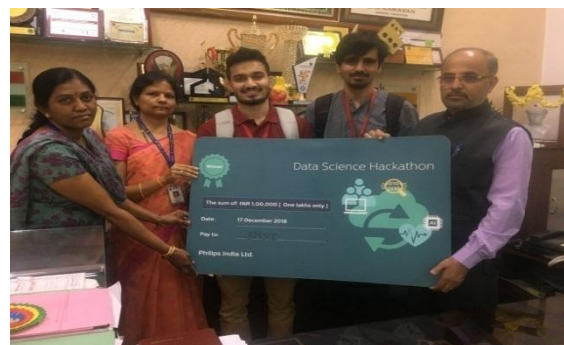
December 18, 2018: Department of Telecommunication Engineering organized a meeting with industry experts to discuss with regard to improvement in the quality of academic projects



December 18, 2018: Dr.P.Meena, Professor, Department of Electrical Engineering co-authored research paper titled “Development of a Single-Phase Inverter for Application in a Hybrid Solar UPS” and presented in the IEEE Power Electronics, Drives and Energy Systems PEDES 2018 held at Indian Institute of Technology-Madras from December 18-21, 2018

December 19, 2018: Mr.Anurag Pachauri and Mr.Paras Narendranath, students of Information Science & Engineering participated in the Philips Data Science Hackathon and Secured First Place. They were awarded cash prize of Rs.1.00 lakh (competitors were from top institutes like IIT-Bhuneshwar, IISc-Bangalore, Banaras Hindhu University, BITs Pileri etc)

December 18, 2018: Department of Telecommunication Engineering organized evaluation of 7thsemester projects. The evaluation was done by Industry Experts Mr.Pradeep Malya, Senior Specialist, Radio Platforms Specifications, Nokia, Oulu, Finland, Mr.Vibhu Bharadwaj, Research Associate, Syracuse University, Newyork and Mr.Subhash Hegde, Architecture ~ Technology Leader, ANZ Bengaluru





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December 18, 2018: Dr.S.B.Bhanu Prashanth, Professor & Head, Department of Medical Electronics participated in the Stratasys User Forum 2018, on 3D printing technology



December 20, 2018: Dr.S.B.Bhanu Prashanth, Professor & Head, Department of Medical Electronics was invited to chair a session in the 1st IEEE EMBS International Student Conference 2018 India, by RIT, Bengaluru



December 20, 2018: Smt.K.P.Shailaja, faculty, Department of Computer Applications presented research paper titled “Impact of Learning Functions on Prediction of Stock Data in Neural Network” in the 3rd International Conference on Computational Systems and Information Technology for Sustainable Solutions [CSITSS-2018] held at R.V. College of Engineering, Bengaluru from December 20-22, 2018



December 20, 2018: Sri.Abhishek Appaji, faculty, Department of Medical Electronics was invited to deliver a talk on “IEEE Young Professionals” in the IEEE EMBS 1st International Students Conference (ISC) organized by M.S.Ramaiah Institute of Technology, Bengaluru

December 21, 2018: Dr.S.B.Bhanu Prashanth, Professor & Head, Department of Medical Electronics attended the meeting of the Execom of the IEEE Sensor Council at Indian Institute of Science- Bengaluru



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December 21, 2018: Sri.Abhishek Appaji, faculty, Department of Medical Electronics was invited to conduct pre-conference tutorial on Medical Image Processing by University Visvesvaraya College of Engineering, Bengaluru as part of 14th International Conference on Information Processing (ICInPro) 2018



December 22, 2018: Department of Civil Engineering organized Guest Lecture on “Fundamentals of Rheology of bitumen”. The lecture was delivered by Dr.Shubadendu Bhattacharya

December 22, 2018: Department of Telecommunication Engineering conducted a quiz on laws related to women as indicated by National Commission for Women



December 22, 2018: BMSCE hosted the workshop on AICTE Hand Book Process for all Principals of Engineering / Polytechnic Colleges in Karnataka



December 22, 2018: Department of Medical Electronics conducted Quiz Competition on “Fundamental Rights and Duties, National Commission for Women Act 1990” for Under-Graduate and Post-Graduate students





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December 22, 2018: Dr.R.Kalpana, faculty, Department of Medical Electronics received PhD Degree Certificate in the Convocation held at Anna University, Chennai



December 24, 2018: Dr.H.S.Guruprasad, Professor, Department of Information Science & Engineering was invited to conduct Two Days Workshop on “Outcome Based Education” by B.V.M. Engineering College, Baroda, Gujarat from December 24-25, 2018

December 25, 2018: Sri.Abhishek Appaji, faculty, Department of Medical Electronics received the prestigious IEEE MGA Young Professionals Achievement Award 2018. The award consists of a cash prize of US\$250 and a plaque which carries the citation as “For exemplary contribution to students and Young Professionals activities”

December 27, 2018: Department of Electronics Engineering in association with IEEE Bangalore Section organized International Conference on Networking, Embedded and Wireless Systems (ICNEWS-2018) from December 27-28, 2018 under TEQIP III and IESA. The theme is “Wireless Technology - Building a Progressive World”



The following faculty members of the Department presented research papers in the International Conference:

- Dr.K.S.Vasundhara Patel presented papers titled “Design and Verification of Wishbone I2C Master Device”, “Quaternary Digital Circuits design using Carbon Nano Tube FETs”, “Mixed Signal Block for Resistance Calibration and Matching” and “Autonomous Biasing Circuit for GaN RF Amplifiers”. The papers were also published in the conference proceedings
- Dr.M.B.Veena presented paper titled “Code Coverage analysis of 4 point FFT using Assertions and Constrained Randomization” and was also published in the conference proceedings



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- Dr.Geetishree Mishra, Smt.V.Ashwini and Smt.Sowmya Sunkara presented papers titled “Virtualization on ARM Embedded Platform, Codezero Hypervisor-A Casestudy” and “Algorithm for Autonomous Vehicle Control” and were published in the conference proceedings
- Dr.Geetishree Mishra won the best paper award for her paper titled “Virtualization on ARM Embedded Platform, Codezero Hypervisor-A Casestudy”

December 27, 2018: Dr.LUdayasimha, Professor, Department of Civil Engineering was nominated as Expert Member for the Local Inquiry Committee of Visvesvaraya Technological University, Belagavi for inspecting the Engineering Colleges at Gulbarga from December 27-29, 2018

December 27, 2018: Placement Club of Department of Computer Applications conducted various activities for the students of 1st semester during the month



December 28, 2018: Department of Civil Engineering organized Industrial Visit to T.K. Hally water treatment plant for the students of 1st semester M.Tech (Environmental Engineering)



December 28, 2018: Dr.Rajeshwari Hegde, Head, Department of Telecommunication Engineering chaired a session in the IEEE International Conference ICNEWS 2018 held at BMSCE



December 28, 2018: Department of Biotechnology organized Professional Body activity as lecture series on “characterisation of nanomaterials” under Indian Women Scientist Association (IWSA), Bengaluru Branch





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December 30, 2018: Dr.Rajeshwari Hegde, Head, Department of Telecommunication Engineering received “Havyaka Sadhaka Rathna” award for her academic achievements in the 2nd Vishwa Havyaka Sammelana held at Bengaluru



December 31, 2018: Sri.Madhav Murthy, faculty, Department of Mechanical Engineering published research paper titled “Impact of Constraint Conditions and Cutouts on Natural Frequency of Glass Fibre Reinforced Plastic Composite” in the International Journal of Engineering Materials and Manufacture (2018) 3(4) 200-207

December 31, 2018: Sri.G.Ugrasen, faculty, Department of Mechanical Engineering published research paper titled “Investigation on Mechanical Behavior of Hot Rolled A17075-TiB2 In-situ Metal Matrix Composite” in the ELSEVIER Materials Today, Proceedings 5 (2018) 25605-25614

December 31, 2018: Sri.Shashiraj, faculty, Department of Mechanical Engineering performed Yakshagana at various places during the month

December 31, 2018: Smt.Sirisha Nallakukkala, Smt.Shabnam Siddiqui & Mr.Soumen Panda, faculty, Department of Chemical Engineering published research paper titled “Impact of Integrating Self-Study module in Chemical Engineering Course” in the Journal of Engineering Education Transformations Issue No.125, Volume No.32, ISSN 2349-2473, Pg 82-89

December 31, 2018: Sri.M.S.Chandraprasad, faculty, Department of Biotechnology contributed a chapter titled “Microbial Production and Applications of Mannosylerythritol, Cellobiose and Trehalose lipids” in the book “Microbial Biosurfactants and their Environmental and Industrial Applications” Publishers: CRC Press (Taylor and Francis Group)

December 31, 2018: Dr.K.E.Ganesh, faculty, Department of Physics published research paper titled “A model to predict ^{238}U in aquifer rock based on ^{222}Rn and ^{226}Ra measurement in groundwater samples: a case study at south Bengaluru city, Karnataka, India” in RPD Radiation Protection Dosimetry (2018), pp.1–9 <https://doi.org/10.1093/rpd/ncy257>



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December 31, 2018: Dr.M.V.Murugendrappa, Head, Department of Physics published research paper titled “Transport and complex modulus study of $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ perovskite manganite nano-compound with polypyrrole as host” in Springer: Polymer Bulletin, DOI: <https://doi.org/10.1007/s00289-018-2653-y> Print ISSN: 0170-0839 Electronic ISSN: 1436-2449 with impact factor 1.589 and SJR Q2 Journal

December 31, 2018: Dr.S.Jayanthi, Professor, Department of Mathematics was invited for the Staff Selection Committee meeting (Board of Appointments) as subject expert by NIE, Mysuru