

Autonomous Institute, Affiliated to VTU

REPORT ON COLLEGE ACTIVITIES – JANUARY 2021

January 1, 2021: Hon'ble Vice Chancellor of VTU addressing all the Principals of Engineering Colleges affiliated to VTU



January 1, 2021: Dr.M.B.Veena, Faculty, Department of Electronics & Communication Engineering along with Mr.N.Girish, Research Scholar published research paper titled "Low Power Design of Adaptive Power Decoder with Feed Forward Message Decoding and Look-Up-Table Approach" in the Journal of Theoretical and Applied Information Technology

January 1, 2021: Dr.M.B.Veena, Faculty, Department of Electronics & Communication Engineering along with Ms.D.Bhavana, M.Tech. student published research paper titled "An Automated Approach of Detection of Memory Leaks for Remote Server Controllers" in the EMITTER International Journal of Engineering Technology

January 1, 2021: Mrs.H.T.Bhavana, Faculty, Department of Electronics & Communication Engineering has been identified as faculty coordinator by "Texas Instruments" for the course "Embedded Design Systems" offered by NPTEL. Embedded Design Systems is a 12 week course endorsed by Government of India,

AICTE. She has received six MSP430 Lunchbox kits by Texas Instruments Pvt Ltd.

January 1, 2021: Dr.B.L.Suresha, Faculty, Department of Physics and Mrs.N.Navya, Research Scholar, presented a Flash Talk (Poster) presentation of the paper titled "Synthesis and Characterization of copper oxide nanoparticles" in NCLC 2020 Technical Program organized by Amity Institute of Applied Sciences, Amity University, Uttar Pradesh

January 2, 2021: Department of Electronics & Communication Engineering launched News Letter "Buzz Bytes". Dr.B.V.Ravishankar, Principal launched the News Letter



January 2, 2021: Dr.M.Dakshayini, Professor and Head, Department of Information Science & Engineering along with Under-Graduate students Mr.N.S.Akhilesh, Mr.M.N.Aniruddha and Mr.Ghosh Anirban published paper titled "Government Document Approval and Management Using Blockchain" as a chapter in Springer Lecture Notes on Data Engineering and Communications Technologies book series (LNDECT), volume 56, pp 387-40, SCOPUS Indexed



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January 2, 2021: Dr.B.Mallikarjuna, Faculty, Department of Mathematics published research paper titled "Entropy Generation to Predict Irreversibilities in Poroelastic film with Multiple Forces: Spectral Study" in the Indian Journal of Physics, pp: 1-14 https://doi.org/10.1007/s12648-020-1922-0

January 4, 2021: Meeting of the College Council was convened to discuss regarding conduction of SEE for 3rd semester students and starting of classes off-line



January 4, 2021: Dr.K.Prathima Bhat, Faculty, Department of Management Studies was invited to deliver a lecture (online) on "Measurement and Scaling" in a Ten Day Faculty Development Program on Research Methodology by RBVRR Women's College, Hyderabad which was sponsored by Indian Council of Social Science Research



January 4, 2021: The following faculty members of the Department of Physics and full time Research Scholars of the Department were awarded seed money for R & D activity under COE/TEQIP-III:

- Dr.M.V.Murugendrappa, Head of the Department received Rs.3,00,000/-for R & D activity titled "Studies on the effects of structural modifications in the polypyrole based nanocomposites on the gas sensing performance"
- Dr.T.S.Pranesha, Faculty received Rs.1,50,000/- for R & D activity titled "Synthesis and Characterization of endohedral cluster fullerene to improve anharmonicity and ZT value for SnSe compound"
- Dr.B.L.Suresha, Faculty received Rs.2,50,000/- for R & D activity titled "Synthesis and Characterization of Nano materials doped with Liquid Crystal for liquid crystal for Liquid Crystal display and drug delivery application"
- Dr.K.E.Ganesh, Faculty received Rs.40,000/- for R & D activity titled "Consumables towards PM1 analyzer"
- Dr.Latha Kumari, Faculty received Rs.2,50,000/- for R & D activity titled "Thermoelectric Nano composites for Green Energy Conversion"
- Dr.Ramya Hariharan, Faculty received Rs.2,50,000/- for R & D activity titled "Hybrid Microwave Assistant Synthesis of Perovskite Oxides for Ferroelectric Applications"



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- Mr.H.S.Sumantha, Research Scholar received Rs.25,000/- for R & D activity titled "Synthesis and Characterization of Nano materials as an anode material for lithiumion batteries"
- Mrs.N.Navya, Research Scholar received Rs.25,000/- for R & D activity titled "Opto-electrical and dielectric properties of nan0 doped liquid crystals"
- Mr.M.Udaykumar, Research Scholar received Rs.25,000/- for R & D activity titled "Thermoelectric skutterudite (CoSb3) Nanomaterials for waste heat to electric energy conversion"
- Ms.R.Swetha, Research Scholar received Rs.25,000/- for R & D activity titled "Thermoelectric efficiency studies of polymer – thermoelectric skutterudite Nanocomposites"

January 5, 2021: Dr.Latha Kumari, Faculty, Department of Physics along with Mr.M.Uday Kumar and Ms.R.Swetha, Research Scholars, published research paper titled "Structural and Optical Studies on Strontium-Filled CoSb₃ Nanoparticles Via a Solvo-/Hydrothermal Method" in Journal of Electronic Materials with the impact factor 1.66 https://doi.org/10.1007/s11664-020-08629-2

January 6, 2021: Dr.D.Seshachalam, Professor, Department of Electronics & Communication Engineering was invited to deliver a talk on "Outcome Based Education NBA Accreditation" by L.B.S. .Institute of Technology for Women, Thiruvananthapuram, Kerala

January 6, 2021: Dr.K.Vijayakumar, Head, Department of Computer Applications was invited to deliver a talk on "Classification techniques" in the one week AICTE sponsored ATAL online Faculty Development Programme on "Artificial Intelligence" from January 4-8, 2021 by GSSS IET for Women, Mysuru

January 7, 2021: Dr.D.N.Sujatha, Professor, Department of Computer Applications was invited as a panelist for the panel discussion on "Ghar se Charcha: Work Paradigm in Pandemic Era – Impact on Men & Women" in the 13th International Conference on Communication Systems & Networks (COMSNETS-2021)



January 7, 2021: Department of Physics organized Pre-Ph.D comprehensive Viva Voce in respect of Research Scholar Mrs.N.Navya. Dr.K.Fakruddin, Professor & Head, Department of Physics Ghousia College of Engineering, Ramanagaram was the External Member





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January 8, 2021: Demonstration on Software Automation of Examination i.e., CIE Entry, Issue of Hall Ticket, Valuation System & Final Result process through Banyan Tree web Portal



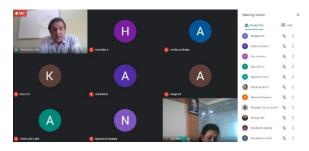
January 8, 2021: BMSCE Kannada Club-Chiranthana in association with Mechanical Engineering Association organized a (online) talk on "WRITING - a pleasant hobby for a remarkable career". The talk was delivered by eminent columnist and Scientist Sri.Sudheendra Haldoderi

January 8, 2021: Smt.P.S.Gowra, Faculty, Department of Electronics & Telecommunication Engineering presented research paper titled "Industry Institute Interaction for Outcome based Education" in the Eighth International Conference on Transformation in Engineering Education (ICTIEE-2021) organized by Indo Universal Collaboration for Engineering Education (IUCEE) from January 8-10, 2021

January 8, 2021: Department of Management Studies organized Guest Lecture on "Life insurance" for the students 3rd semester MBA (Finance). The lecture was delivered by Ms.M.S.Sandhya and Ms.Seema G Prabhu, Certified Financial Planners



8, 2021: January Department Management Studies organized Extension Lecture on "Entrepreneurship Development Programme" for the students of 3rd semester. The lecture was delivered Mr.K.Narayana Prasanna, General Secretary and Mr.B.S.Srinivasan, Vice President, Laghu Udyog Bharati-Karnataka



January 8, 2021: Department of Physics organized Pre-Ph.D comprehensive Viva Voce in respect of Research Scholar Mrs.A.V.Ambika. Dr.N.Dhananjaya, Head Department of Physics, BMSIT&M, Bengaluru was the External Member





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January 9, 2021: Dr.B.V.Ravishankar, Principal delivered (online) a Keynote Talk on "Curriculum Design for the present generation Engineers" in the International Conference ICTIE 2021 organized by Indo Universal Consortium of Engineering Education (IUCEE). The same session had several nationally and internationally renowned academicians delivering talks

January 9, 2021: Sri.Madhav Murthy, Faculty, Department of Mechanical Engineering presented a research article titled "Role of New Education Policy in promoting Research for Undergraduate Engineering Education: A review" in Oneday Seminar on Implementation of National Education Policy-2020 in Karnataka: Opportunities and Road Ahead, at Vijnana Bhavana, Manasagangothri, University of Mysore, Mysuru



January 9, 2021: Department of Electronics & Communication Engineering organized 4th monthly lecture under "Smart Materials and Applications (SM & AP)" on "Challenges in Creating Medical Products". The lecture was delivered (online) by Prof.N.S.Dinesh, Professor, Department of Electronic Systems Engineering. (DESE), IISc., Bangalore

January 9, 2021: Sri.H.S.Gururaja, Faculty, Department of Information Science & Engineering was invited to deliver a Web Seminar on "Use of AI/ML in Cyber Security" by E&ICT Academy, NIT Warangal

January 10, 2021: Dr.Samita Maitra, Professor Dean (Academic) collaboration with Antiz Technology Pvt. Ltd, Bangalore initiated to deliver a lecture cum demonstration (online) of industry supported VR Lab for Process Control and Automation for International Conference -ICTIEE 2021. The Outcome of this collaborative effort is VR model on "Multifunctional Process Control Loop with ON-OFF Control" which was developed with a physical setup of Process Control Lab in the Department of Electronics Instrumentation Engg. Mr.Raghavendra from Antiz, the faculty members Dr. Veena N Hegde, Department of E&I Engg, Dr.Sreelakshmi Diddi. Department Dr.Umadevi. Chemical Engg. and Department of Computer Science & Engg contributed to the development of the VR module





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January 10, 2021: Dr.A.N.Nagashree and Dr.V.Champa, Faculty Department of Electrical & Electronics Engineering were awarded seed money for R & D activity under COE/TEQIP-III. They received Rs.1,62,800/- for an R&D project titled "An Alternate Vegetable Oil Based Dielectric Coolant and Investigations on its Dielectric Properties as a Composite Insulation for Use in Transformers"

January 10, 2021: Dr.C.Gururaj, Faculty, Department of Electronics & Telecommunication Engineering received Best Researcher Award and Best Teacher Award by IEEE Bangalore Chapter

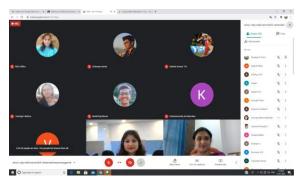


January 10, 2021: Dr.M.N.Mamatha, Faculty, Department of Electronics & received Instrumentation Engineering "IUCEE International Engineering Educators Certification Program (IIEECP) Award 2021" by IUCEE Awards Committee in recognition of the accomplishments in applying the learnings from IIEECP program and also in promoting excellence in teaching and learning

January 11, 2021: Dr.Raghu Yogaraju, Faculty, Department of Mechanical Engineering was invited as reviewer of innovative ideas/innovations under the INSPIRE Awards-MANAK

January 11, 2021: Sri.K.Balachandra, Faculty, Department of Electronics & Telecommunication Engineering completed Post Graduation Program in AI and Machine Learning from Purdue University

January 11, 2021: Department of Mathematics and Humanities organized a Two-day Webinar on "Skillset and Stress Management" from January 11-12, 2021. Resource persons were Mr.Dheeraj Shetty, General Manager-HR, JBF Petrochemical Ltd., Mangalore and Dr.Archana Bhat Kallahalla, Head of the Department (Post Graduate) Department of Psychology, Surana College, Bengaluru



January 12, 2021: Department of Electronics & Communication Engineering organized 15 days free (online) coaching Programme for GATE (GATE 2021) for the students of BMSCE from a group of faculty of the Department

January 12, 2021: Smt.P.S.Gowra and Dr.Rajeshwari Hegde, Faculty, Department of Electronics & Telecommunication Engineering published research paper titled "Industry Institute Interaction for Outcome based Education" in the Journal of Engineering Education Transformations, DOI: 10.16920/jeet/2021/v34i0/157118



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January 12, 2021: Placement Club of the Computer **Applications** Department of organized a Webinar on "How to crack a Job interview in Full Stack Development, Data Science domains, IoT Embedded Systems & VLSI". This webinar was delivered by Mr. Nitin Ravi, Founding Member-Career. This webinar focused on job opportunities in Full Stack Development and Data Science **Domains**

January 12, 2021: Sri.Anthony Christy Melson, Faculty, Department of Mathematics published research paper titled "Nonlinear Analysis of the effect of viscoelasticity on ferroconvection in Heat Transfer" in the Journal Wiley

https://doi.org/10.1002/htj.22055

January 13, 2021: Meeting of the College Council was convened to discuss regarding conduction of off-line classes for First Year Engineering students



January 13, 2021: AICTE EVC Online meeting with regard to introduction of new programme and PIO Quota



January 14, 2021: Dr. Jyothi S Nayak and Dr. M. Indiramma, Faculty, Department of Computer Science & Engineering published research paper titled "An Approach to Enhance Age Invariant Face Recognition Performance Based on Gender Classification" in Elsevier Journal of King Saud University - Computer and Information Sciences (Scopus and SCIE indexed), URL to access the journal: https://doi.org/10.1016/j.jksuci.2021.01.005

January 15, 2021: Dr.B.V.Ravishankar, Principal was invited to participate in the Mock NAAC inspection by Bellary College of Engineering, Bellary from January 15-16, 2021

January 15, 2021: Sri.Madhav Murthy, Faculty, Department of Mechanical Engineering was invited as a panelist for the Panel Discussion on National Education Policy at E-Summit-21 by National Institute of Technology – Karnataka (NITK), Surathkal from January 15-17, 2021

January 15, 2021: Dr.K.R.Sudhindra, Faculty, Department of Electronics & Communication Engineering was invited as Guest Speaker to deliver a talk on "IoT and its applications - Case study based approach" by R.V. College of Engineering, Bengaluru

January 15, 2021: Sri.H.R.Sridhar, Faculty, Department of Management Studies was invited as a Quiz Master by RV Institute of Management



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January 15, 2021: Dr.Minu Zachariah, Faculty, Department of Management Studies was invited as an external Academic Expert for review of syllabus of all the HR elective courses offered to third year Bachelors of Business Administration by CHRIST (Deemed to be University)

January 15, 2021: Dr.C.Sampath, Faculty, Department of Chemistry published research paper titled "Design and Synthesis of Novel 1, 3, 2- benzoxazaphosphinine-2-one derivatives: an in vitro biological evaluation and in silico approaches" in the Journal of Taylor & Francis

January 16, 2021: Department of Physics organized presentation of Open Seminar-1 (online) on "Studies on Radon and Radium activity in Ground Water and its Relation to Uranium Deposit" by Mrs.C.G.Poojitha, Research Scholar of the Department. Dr.C.Ningappa, VVIET, Mysore was the external member



January 18, 2021: Inauguration (Virtual) of First Year M.Tech Classes – 2020-21 batch



January 18, 2021: Department of Mechanical Engineering organized an orientation program (online) for the First Semester Post-Graduate students – 2020-21 batch

January 18, 20201: Sri.Shashiraj, Faculty, Department of Mechanical Engineering, performed Yakshagana at Mortu, Kundapura Taluk, Udupi district



January 18, 2021: Dr.K.R.Sudhindra, Faculty, Department of Electronics & Communication Engineering was invited as Guest Speaker to deliver a talk on "5G-Green Communication and Networks Deployment in Smart Cities" in a 5 days (online) Faculty Development Program by Acharya Institute of Technology, Bengaluru sponsored by ATAL Academy, New Delhi



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January 18, 2021: Dr.D.N.Sujatha, Professor, Department of Computer Applications was invited to judge "Virtual Power Point Presentation" by National College, Bengaluru

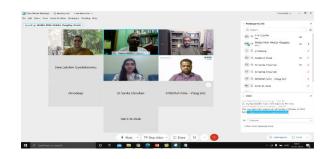
January 18, 2021: Department of Management Studies organized induction program for the First Semester students (2020-21 batch)

January 19, 2021: Department of Management Studies organized a pep talk to the new batch of students. The talk was delivered by Mr. Mohan Kumar, Practice head for Wipro Limited. As an initiative from start-up Cell, MBA students were introduced to "Just Vend" Founders, Mr. Shivaram & Mr. Nikhil, students of B.E.

January 19, 2021: Dr.M.S.Dharmaprakash, Dr.K.L.Nagashree and Dr.S.Manjunatha, Faculty, Department of Chemistry published research paper titled "Electrocatalytic detection of nitrite at NiCo₂O₄ nanotapes synthesized via microwave-hydrothermal method" in the Journal of Electroanalytical Chemistry

22, 2021: Dr.Rajath January Vasudevamurthy, Faculty, Department of Electronics & Communication Engineering was invited to deliver a talk on "History of Science" in (online) the First Year B.E. Student Induction Program by Babu Engineering College, Banarasi Das Lucknow

January 22, 2021: Dr.D.N.Sujatha, Professor, Department of Computer Applications was invited as a panelist for "Panel of Chapter Chairs on Membership Development [POCCOM]", by IEEE Vizag bay Section



January 21, 2021: The following faculty members of the Department of Electronics & Communication Engineering were awarded seed money for R & D activity under COE/TEQIP-III:

- Dr.K.P.Lakshmi received Rs.124700/for an R&D project titled "Fabrication and Characterization of Thin Films for Sensors, NV Memory and Waveguide Applications"
- Smt.H.T.Bhavana Rs.1,10,000/- for an R&D project titled "Optoelectrical studies of Al-Doped ZnO thin-films for photovoltaic applications"
- Smt.T.Sanjana received Rs.1,05,000/for an R&D project titled "Studies on electrical and optical properties of Cu₂0 thin films for solar cell applications"
- Dr.Maligi Anantha Sunil received Rs.2,25,000/- for an R&D project titled "Efficiency enhancement of solar cells using photo-alignment technique"

January 22, 2020: Dr.Ramya Hariharan, Faculty, Department of Physics published research paper titled "Random forest regression analysis on combined role of meteorological indicators in disease dissemination in an Indian city: A case study of New Delhi" in Elsevier: Urban Climate ISSN: 2212-0955 Q2 Journal



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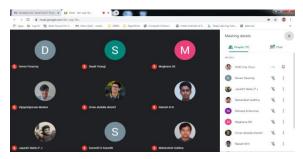
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with Impact Factor: 3.834 https://doi.org/10.1016/j.uclim.2021.100780

January 23, 2021: Dr.R.V.Ranganath, Professor, Department of Civil Engineering was invited to deliver a lecture on "Key components of OBE" in the Faculty Development Program by G.L.Bajaj Institute of Technology & Management sponsored by Dr. APJ Abdul Kalam Technical University, Lucknow

January 23, 2021: Mr.Dushyantha, student of Electronics & Communication Engineering, Mr.Mahantesh Gattina, student of Computer Science & Engineering, Mr.Deven, student of Information Science & Engineering and Mr.N.Hitesha, student of Mechanical Engineering conducted (online) "Level – one C Programming Bootcamp" for the first year Under-Graduate students

January 23, 2021: Department of Computer Science & Engineering organized "Level One C Programming Bootcamp" from January 23-24, 2021 with 30 hours of online coding for first year students



January 23, 2021: Dr.B.G.Prasad, Faculty, Department of Computer Science & Engineering was invited as Committee Member to review (online) the progress of Ph.D candidates in the "Bi-Annual Progress Review Meet of Ph.D Scholars - Jan 2021" by REVA University

January 25, 2021: Smt.M.Vasantha Lakshmi, Faculty, Department of Electronics & Telecommunication Engineering completed her PhD Defense on under the guidance of Dr.B.Kanmani, Professor & Head of the Department through Online mode

Title: "Simulation study of PAPR reduction in OFDM schemes"



January 25, 2021: Department of Physical Education and Sports Science organized "Voters Pledge" taking ceremony on National Voters Day, Dr.B.V.Ravishankar, Principal administered the pledge and addressed the Faculty and Staff members who participated





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January 26, 2021: Celebration of Republic Day



January 26, 2021: Department of Electronics & Communication Engineering established the BMSCE Indo Universal Collaboration for Engineering Education (IUCEE) Student Chapter. The BMSCE IUCEE Student Chapter will be working towards the vision and reinforce the concepts and ideals of delivering quality and relevant technical education which is at the core of the mission of our institution

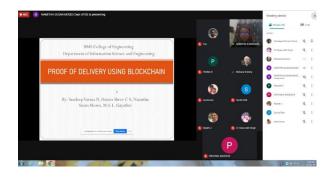
January 27, 2021: Standard Operating Procedure (SOP) followed for conduct of off-line Examination to the final year students



January 27, 2021: BMSCE eGovernance established a new ERP office for implementing the SAMARTH Enterprise Resource Planning (ERP) project initiated under TEQIP-III. Dr.S.Muralidhar, Vice

Principal inaugurated the office. The core objective is to enhance automation in campus by reducing redundancy and enhance productivity in administration and academic matters of the institute

January 27, 2021: Departments of Information Science & Engineering and Computer Science & Engineering organized Hands-on Faculty Development Programme (online) on "Blockchain & Decentralized Application Development" from January 27-February 2, 2021 under TEQIP-III



January 28, 2021: Department of Mechanical Engineering in association with R&D Centre and mentee Institution FET MJP Rohilkhand University Bareilly, Uttar Pradesh organized Two Day Webinar on writing project proposals, journal papers and Intellectual Property Rights from January 28-29, 2021

January 29, 2021: Dr.P.S.Manjunath, Faculty, Department of Electronics & Telecommunication Engineering was invited as one of the members in the panel discussion by NGO-Youth4jobs



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January 30, 2021: Dr.T.N.Vishalakshi, and Dr.G.Chandra Shekara, Faculty Department of Mathematics published research paper titled "Effect of an Applied Magnetic Field and Gravity Modulation on the Time Dependent Hydro-Magnetic Instability in Advances in Mathematics" in the Scientific Journal, Vol.10, No.1, pp: 391-401, ISSN: 1857-8365 (P); 1857- 8438 (Electronic) https://doi.org/10.37418/amsj.10.1.39

January 31, 2021: Dr.D.N.Sujatha, Professor, Department of Computer Applications was invited to deliver a talk on "SAC-2021: A Road Map" during Virtual BC Meet-1, by IEEE Bangalore Section