



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

REPORT ON COLLEGE ACTIVITIES – AUGUST 2020

August 1, 2020: Dr.C.Lakshminarayana, Professor, Department of Electrical & Electronics Engineering has been elected as Editorial Board Member - Consulting Editor by Journal of Engineering Technological Research (JETE), Kuala Lumpur Malaysia

August 1, 2020: Dr.D.Seshachalam, Professor, Department of Electronics & Communication Engineering was invited as Jury for Smart India Hackathon (SIH-2020) a National level event conducted by AICTE for 3 days at MLRIT, Hyderabad

August 1, 2020: Department of Medical Electronics in association with IEEE Young Professionals Bangalore organized Hands on workshop on “Wireless Modules”. Resource person was Mr.Nikhil Arora, Scientist, ISRO and Vice Chair of Young Professionals, Bangalore Section

August 2, 2020: Dr.M.N.Suma, Professor, Department of Electronics & Communication Engineering along with students of Under-Graduate Ms.R.Tulasi, Mr.Haritsa and Ms.B.M.Yashu published paper titled “Mathematical characterisation and simulation of LoRa Physical layer” in the **Springer Journal Wireless Personal Communications**

August 3, 2020: Dr.Rajeshwari Hegde, Professor, Department of Electronics & Telecommunication Engineering was invited as resource person for the online Faculty Development Program on “Lifestyle Change and Self-Management” by New Horizon College of Engineering, Bengaluru



August 3, 2020: Dr.S.B.Bhanu Prashanth, Professor, Department of Medical Electronics was invited to deliver a talk on “Biosensors – A Conceptual Overview” in the online Faculty Development Programme on Biosensors by M.S. Ramaiah Institute of Technology, Bengaluru

August 4, 2020: The following faculty members of the Department of Chemistry were invited and participated in the 1st International Conference on Accelerating Innovations in Material Science - AIMS 2020 organized by B.M.S. Institute of Technology & Management, Bengaluru held from August 4-7, 2020 as detailed below:

- Dr.Kalyan Raj, Professor & Head along with Research Scholar Ms.K.Arathi presented research paper (oral) titled “Efficient Catalytic Reduction of Hazardous Hexavalent Chromium on Cobalt Sulfide Nanoparticles” in Analytical and Environmental Chemistry Section
- Dr.K.L.Nagashree was invited as Chairperson in the online Poster presentation session in the Inorganic and Physical Chemistry Section



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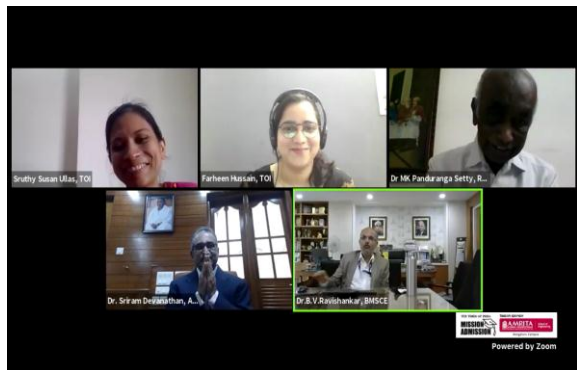
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- Dr.M.Srinidhi was invited to Chair in the online Poster presentation session in the Inorganic and Physical Chemistry Section

Title of the poster: Ni-Substituted ZnO carbonaceous composite prepared by inert-ambient pyrolysis for high-selective SO₂ sensing

August 4, 2020: Dr.G.S.Ananthnag, Faculty, Department of Chemistry was **invited as Reviewer by John Wiley & Sons Q1 Journal Publisher. He received a Certificate of Appreciation from ‘Applied Organometallic Chemistry’**

August 5, 2020: Principal was invited to participate in the virtual panel discussion on “Future of Engineering Courses post COVID World” by Times of India



August 5, 2020: Dean (Academic) organized Guest Lecture (online) on “National Education Policy 2020 - from the perspective of Higher Education”. The lecture was delivered by Dr.Leena Chandra Wadia, Senior Fellow, Observer Research Foundation, Mumbai & Senior Consultant, Committee on National Education Policy, GOI



August 5, 2020: Sri.K.Devaraj, Faculty, Department of Mechanical Engineering was invited to deliver Lecture (online) on “Fluid Mechanics applications using MATLAB” in the One Week online Short Term Training Program, “Module-1: Modeling and Analysis using MATLAB and Python for Mechanical Engineering Applications” by VNR-VJIT, Hyderabad

August 5, 2020: Smt.Nirupama Mohan, Faculty, Department of Mechanical Engineering performed Bharathanatyam recital in Shraavanam, an Online Music and Dance Festival-2020 organized by Flute N Feet Academy

August 5, 2020: Sri.S.Selva Kumar, Faculty, Department of Computer Science & Engineering along with Under-Graduate students Mr.K.Kaushal, Ms.N.Madhuri, Mr.Mahesh Joseph Sadashiv presented paper (online) on “Implementation of Autonomous Transportation System using Drones” in the International Conference on Big Data, IoT, Cyber Security and Information Technology, Delhi



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August 5, 2020: Dr.D.N.Sujatha, Professor, Department of Computer Applications was invited to deliver Webinar on “Benefits to faculty by Joining IEEE” by Atria Institute of Technology, Bengaluru

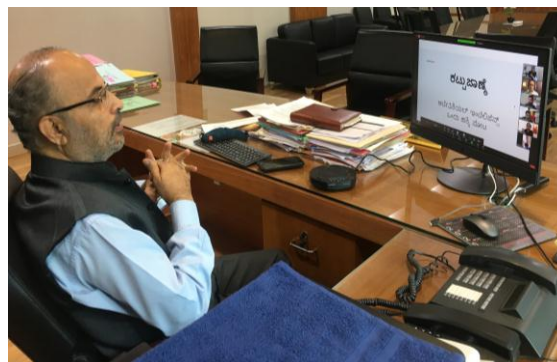
August 6, 2020: Department of Physical Education & Sports Science organized E-Quiz on “Yoga for Health and Fitness”

August 7, 2020: Dr.K.Asha, Faculty, Department of Civil Engineering was invited to deliver lecture on “Smart City Innovations by applying Engineering Technology” in the (online) Faculty Development Programme organized by M.S.Ramaiah Institute of Technology, Bengaluru

August 7, 2020: Dr.C.Gururaj, Faculty, Department of Electronics & Telecommunication Engineering along with former students Mr.S.Bharath, Mr.R.H.Praneeth & Mr.M.Tejesh filed and **published a Patent titled** “A System for Voice based Interactive Bot for Reservations and Bookings” with the Controller General of Patents, Designs and Trademarks, GOI

August 7, 2020: Dr.S.B.Bhanu Prashanth, Professor, Department of Medical Electronics was invited to deliver a talk on “Biosensors – Applications and Fabrication” in the (online) Faculty Development Programme on Thin Film Fabrication Techniques by R.V. College of Engineering

August 8, 2020: Chiranthana Team organized an Session (online) on “**Artificial Intelligence**”. Resource person was Mr.Pavaman Athani, Director of Engineering Turbopaas Development India Private Limited and Founder, MyLang Books



August 8, 2020: Department of Electronics & Telecommunication Engineering organized interaction (online) with Ms.Manasa Suresh, Systems Engineer, Juniper Cloud Labs, Content Team, **California, USA** & Ms.Neema Nair, Senior RF Engineer, Qualcomm, **California, USA** (Alumni)

August 8, 2020: Dr.K.Vijayakumar, Head, Department of Computer Applications was invited to Chair a session in the International Conference on Computational Intelligence and Data Engineering by Vasavi College of Engineering, Hyderabad

August 8, 2020: Dr.M.V.Murugendrappa, Head, Department of Physics published research paper titled “Temperature-dependent transport properties of micro and nano-sized zinc cobalt oxide ($ZnCo_2O_4$) and zinc manganese oxide ($ZnMn_2O_4$) particles synthesized by a hydrothermal route” in **Elsevier: Ceramics International : Q1 Journal with Impact Factor: 3.83 Volume 46, Issue 14, 1 October 2020, Pages 22492-22503**
<https://doi.org/10.1016/j.ceramint.2020.06.009>



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August 9, 2020: Sri.S.Selva Kumar, Faculty, Department of Computer Science & Engineering along with Under-Graduate students Mr.Abhijith Purohit, Mr.Mohammed Fardeen Saqlain, Ms.J.Jayalakshmi, Mr.Fahad Mohammed Tahasildar presented paper (online) on “IoT based Vein Pattern Identification and Heart Rate Monitor” in the International Conference on Advanced Research in Computer Science and Information Technology (ICARCSIT), Mumbai

August 10, 2020: Dr.Venkatesh T Lamani, Faculty, Department of Mechanical Engineering was invited to deliver a Webinar on “Future Prospects of Green Fuels” by KLE College of Engineering & Technology, Chikkodi on the occasion of International Bio Fuel Day

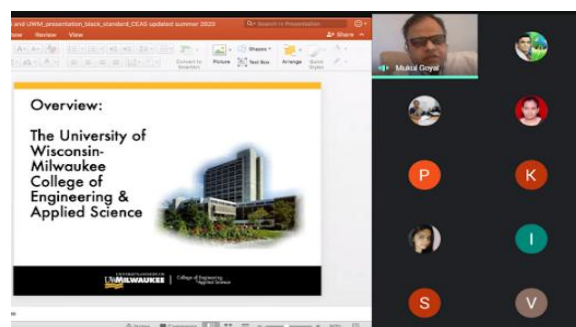
August 10, 2020: Department of Electronics & Communication Engineering in association with the Institution of Electronics & Telecommunication Engineers (IETE) Bangalore Centre organized One Week (online) Value-added Course titled “Challenges and Opportunities in the Semiconductor Industry” from August 10-14, 2020

August 10, 2020: Dr.D.N.Sujatha, Professor, Department of Computer Applications was recognized as one of the top five Performers of EXECOM Jan-June 2020, IEEE Bangalore Section 2020

August 10, 2020: Dr.C.S.Kaliprasad, Faculty, Department of Physics published research paper titled “A systematic investigation on grain size enrichment of radionuclides and assessment of radiation hazards along the southern coastal environment of Kerala, India” in

International Journal Nuclear Energy Science and Technology, Vol. 14, No. 1, 2020, Pages 28-37
DOI: [10.1504/IJNEST.2020.108799](https://doi.org/10.1504/IJNEST.2020.108799)

August 11, 2020: Department of Electronics & Telecommunication Engineering in association with BMSCE-IEEE Student Branch and the Competitive Examinations and Higher Studies Cell, BMSCE organized a Webinar on ‘Opportunities and Higher Studies at UWM and College of Engineering & Applied Science (University of Milwaukee, USA). Resource person was Prof.Mukul Goyal, CSE, University of Milwaukee, USA



August 12, 2020: 18th Meeting of the Academic Council was convened. The Council discussed the academic issues





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August 12, 2020: Dr.D.Seshachalam, Professor, Department of Electronics & Communication Engineering was invited to deliver a talk on “Course articulation and Program Articulation Matrix” by JNTU, Hyderabad

August 13, 2020: Review of Exam From Home (EFH) Platform for the conduction of Online Examinations for the Final Year students



August 13, 2020: Mechanical Engineering Association in collaboration with M/s CADMAX Solutions organized Webinar on “CIM Tools using Mastercam” for the students of 4th and 6th Semester

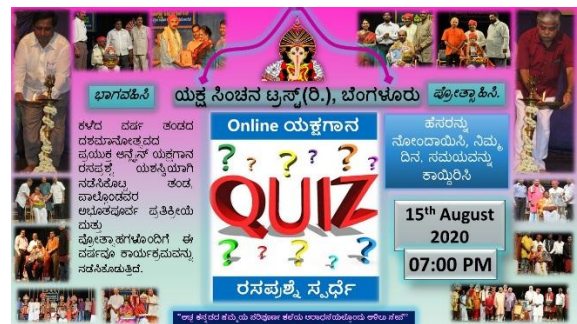
August 13, 2020: Department of Mathematics organized (online) Pre-Ph.D. Comprehensive Viva-Voce Examination in respect of Mr.S.V.Harsha, Research Scholar under the guidance of Dr.G.Chandrashekara

August 14, 2020: Dr.M.Shivarama Reddy, Director, Physical Education was invited to preside in the Five Days International Webinar by S.J.R. College for Women, Bengaluru

August 15 2020: Celebration of 74th Independence Day



August 15, 2020: Sri.Shashiraj, Faculty, Department of Mechanical Engineering organized Yakshagana (online) Quiz Competition for the second time using Schoology (a social network used for academics) on 15th August 2020. 316 participants from various parts of Karnataka and few participants from Bangkok (Thailand), Sharjah (UAE), Singapore participated actively. The event was recorded as the second online quiz event in the history of Yakshagana





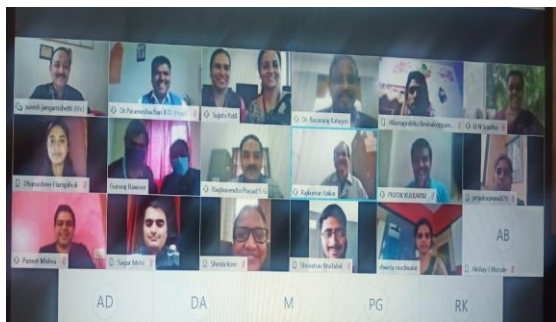
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August 17, 2020: Dr.M.N.Suma and Dr.Rajanikanth, Faculty, Department of Electronics & Communication Engineering submitted Project Report to VTU to promote COVID 19 related innovative ideas and research Projects titled “IOT Based Smart Sanitizer Vending Machine” under VTU-TEQIP. Prototype demonstration was also presented

August 17, 2020: Dr.Kavitha Sooda, Faculty, Department of Computer Science & Engineering was invited to deliver a Webinar on “Pandas for Data Analytics” organized by NITTE Meenakshi Institute of Technology, Bengaluru

August 17, 2020: Dr.D.N.Sujatha, Professor, Department of Computer Applications was invited to deliver a Webinar on “Best Practices in IEEE SB” by KLE Dr.M.S.Sheshagiri College of Engineering and Technology



August 19, 2020: Dr.Kavitha Sooda, Faculty, Department of Computer Science & Engineering was invited to deliver a Webinar on “Futuristic Data Analytics – Scope and Challenges” organized by NMAM Institute of Technology, Bengaluru

August 19, 2020: Dr.M.V.Murugendrappa, Head, Department of Physics was invited to deliver a talk as Guest Speaker in the (online) Faculty Development Programme on “Recent Advances in Science & Technology” by Don Bosco Institute of Technology, Bengaluru

August 20, 2020: Dr.Sangamesh C Godi, Faculty, Department of Mechanical Engineering was invited to deliver a Webinar on “Heat Transfer and Temperature Measurement” by St. Mother Theresa Engineering College, Tamil Nadu

August 20, 2020: Dr.M.V.Murugendrappa, Head, Department of Physics was invited to deliver a talk as Guest Speaker in the Two Day National Level Faculty Development Programme on “Current trends in Research” by Tontadarya College of Engineering, Gadag

August 20, 2020: Department of Mathematics organized (online) Pre-Ph.D. Comprehensive Viva-Voce Examination in respect of Ms.N.P.Bhavya, Research Scholar under the guidance of Dr.M.S.Gayathri

August 21, 2020: Mrs.M.Namratha, Faculty, Department of Computer Science & Engineering along with Under-Graduate students Mr.S.K.Vivek, Mr.R.S.Yashank, Mr.Yashas Prashnath and Mr.N.Yashan presented paper (online) on “E-Voting System using Hyperledger Sawtooth” in the International Conference on Advances in Computing, Communication and Material (ICACCM), Dehradun, Uttarakhand



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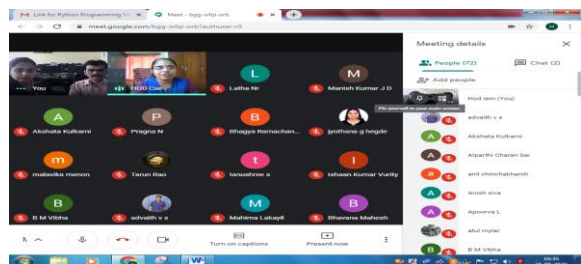
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August 21, 2020: Department of Electronics & Telecommunication Engineering organized an international Webinar on “Art of being an Entrepreneur”. Resource Person was Mr.Sanjay Sehgal, Chairman & CEO, MySys Group, Atlanta, USA under BMSCE-IEEE student branch

August 22, 2020: Department of Medical Electronics in association with IEEE Young Professionals Bangalore Section organized Student Transition & Elevation Partnership Program “Career opportunities being graduate”. Resource persons were Mr.Madhur Arora, Principal Engineer, Torry Harris Integration Solutions and Dr.Abhishek Appaji, Faculty of the Department & Institutional Coordinator for R & D

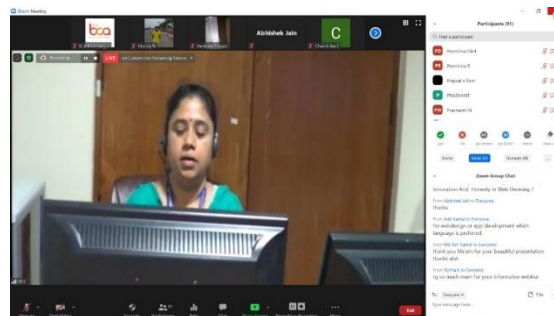
August 24, 2020: Dr.P.Meena, Dr.R.S.Geetha, Dr.V.Prema, Smt.S.Divya, Smt.L.Chaitanya.and 20 Under-Graduate & 2 Post-Graduate students were assigned the project “Development of Virtual Labs in Electrical Domain using 3d Experience platform” under the scheme of “Internship Opportunities for Students and Faculty” by Dassault Systems

August 24, 2020: Department of Industrial Engineering & Management in association with Department of Computer Science & Engineering organized 10 days value added course on “Python Programming” for the students of 5th and 7th Semester students of IEM



August 24, 2020: Department of Medical Electronics in association with IEEE Sensors Council, Bangalore Section Chapter organized One Week Webinar series on “Smart Sensors and IoT – A Case Study Approach” from August 24-28, 2020

August 24, 2020: Smt.V.Padmapriya, Faculty, Department of Computer Applications was invited to deliver a Webinar on “The Art of Designing Web Pages: An Insight” K.L.E Society’s Degree College, Bengaluru



August 24, 2020: Dr.M.V.Murugendrappa, Head, Department of Physics published research paper titled “Effect of Cobalt Aluminum Oxide Nanoparticles on the Structural, DC Conductivity and Humidity Sensing Properties of Polypyrrole” in **Taylor & Francis: Journal of Macromolecular Science, Part B:** with the Impact Factor: 0.911

August 24, 2020: Department of Mathematics in association with spoken tutorials, IIT Bombay organized One Week (online) Faculty / Student Development Programme on Python Programming from August 24-29, 2020



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August 25, 2020: Review Meeting of TEQIP – III was convened. The Nodal Officers discussed regarding the activities to be conducted and other issues under TEQIP-III



August 25, 2020: Dr.V.Prema, Faculty, Department of Electrical & Electronics Engineering was invited to deliver hand-on sessions on “Introduction and advanced skills using Latex” in the Workshop on “Technical Report Writing and LaTeX” by R.V. College of Engineering, Bengaluru

August 26, 2020: Dr.K.Veerabhadrapa, Sri.K.Devaraj, Dr.L.Ravi and Dr.Venkataesh T Lamani, Faculty, Department of Mechanical Engineering visited Werner Finley Pvt. Ltd., Bengaluru, for Industry interaction regarding Industrial Internship and Project work for M. Tech. (Thermal) Students



August 26, 2020: The Placement Club of the Department of Computer Applications,

organized CODE-A. There were around 600 registrations from various Colleges. Participants were from 18 states from India. **Mr.Shreesha Bhat, student of 8th semester IEM secured second place and was awarded Amazon coupon of Rs.750**

August 27, 2020: COVID-19 Self Care Kit was distributed to House-keeping Staff



August 27, 2020: Department of Computer Science & Engineering organized Ph.D defence in respect of Research Scholar Ms.V.Jagadishwari, on thesis titled “A Novel approach for Link Prediction and Community Detection in Dynamic Social Networks” under the guidance of Dr.V.Umadevi

August 27, 2020: Dr.S.B.Bhanu Prashanth, Professor, Department of Medical Electronics was invited to deliver a talk on “Role of Nanomaterials in Biosensor Fabrication” in the (online) Faculty Development Programme on Fabrication of Electronic Devices Using Nanomaterials, by J.S.S. Science & Technology University (SJCE), Mysuru

August 27, 2020: Dr.D.N.Sujatha, Professor, Department of Computer Applications was invited to deliver a Webinar on “A Sneak



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Peak into the right practices of IEEE SB” by BGS Institute of Technology

August 28, 2020: College hosted the Student Congress-2020, a flagship event of IEEE PES Bangalore Chapter from August 28-30, 2020

August 28, 2020 Dr.Kavitha Sooda, Faculty, Department of Computer Science & Engineering was invited for a Panel Discussion on “Impact of social media on human behaviour and society” by BMSCE IEEE Power and Energy Society

August 28, 2020: Dr.D.N.Sujatha, Professor, Department of Computer Applications was invited as a Panelist in the discussion on “Impact of social media on human behavior and society” by IEEE PES Student Congress 2020

August 29, 2020: Department of Electrical & Electronics Engineering in association with IEEE SSIT ES Joint Bangalore chapter organized Webinar on “Sociological, Psychological Issues and Possible Remedies during COVID-19”



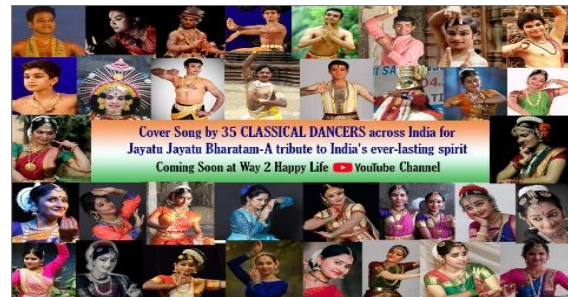
August 30, 2020: Dr.V.Chaitra, Faculty, Department of Mathematics published research paper titled “Restricted Minus Domination Number of A Graph” **in the South East Asian Journal of Mathematics and Mathematical Sciences, Vol. 16. No. 2,**

PP: 289-296, ISSN: 2582-0850(P) 0972-7752 (O)

August 31 2020: Dr.S.Girish, Professor, Department of Civil Engineering along with Dr.N.Ajay and student Ms.Sasha published research paper titled “A study on the use of construction and demolition waste as coarse aggregate in self-compacting concrete for sustainability” **in Indian Concrete Journal, Vol 94, No.8 pp 40-50**

August 31, 2020: Sri.Ram Rohit Vannarth, Faculty, Department of Mechanical Engineering along with students Mr.Avinash Ramachandran, Mr.Rishan Sanjay and Mr.Aakrit Pai published paper titled “Frequency Sweep Response of a Simarouba Based Green Magneto-Rheological Fluid” in the Annual Transactions of The Nordic Rheology Society, Vol. 28, 2020

August 31, 2020: Sri.Shashiraj, Faculty, Department of Mechanical Engineering performed Jayatu Jayatu Bharatam cover song by 35 Indian Classical Dancers organized by Diksoochi Natyalaya in association with Way2HappyLife you tube channel



August 31, 2020: Dr.C.Lakshminarayana, Professor, Department of Electrical & Electronics Engineering along with M.Tech student published paper titled “Seven level modular multilevel converter with FFT analysis” **in the International Journal of**



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Engineering Applied Sciences and Technology

August 31, 2020: Dr.A.Usha, Faculty, Department of Electrical & Electronics Engineering along with Research Scholar Ms.Suma Umesh published paper titled "Ni-Substituted ZnO carbonaceous composite prepared by inert-ambient pyrolysis for high-selective SO₂ sensing" **in the International Conference on Accelerating Innovations in Material Science AIMS - 2020**

August 31, 2020: Dr.A.Usha, Faculty, Department of Electrical & Electronics Engineering along with M.Tech student Ms.M.S.Shivabhagya published research paper titled "Design and Development of Digitally Controlled Programmable DC to DC Converter" **in the International Journal of Engineering Science Technology and Research (IJESTR)**

August 31, 2020: Dr.A.N.Nagashree, Faculty, Department of Electrical & Electronics Engineering along with M.Tech student Mr.Shreevara S Hegde published paper titled "Enhancement of Power Quality and Speed Regulation of a BLDC Motor Drive using Water Cycle Algorithm" **in the International Journal of Innovative Science and Research Technology**

August 31, 2020: Dr.A.N.Nagashree, Faculty, Department of Electrical & Electronics Engineering along with Ms.H.B.Shylashree, Ms.Monika Divakar and Ms.Neha R Navada students of 8th semester presented paper titled "Density based smart traffic light system for emergency vehicles" in the 1st International Conference on Innovations in clean Energy Technology - ICET-2020

August 31, 2020: Dr.M.B.Veena, Faculty, Department of Electronics & Communication Engineering along with Ms.Varsha Chavan, M.Tech Student published paper titled "Power Efficient High speed DDR SDRAM Controller" in JSR Journal, Volume 12, Issue 8, August 2020

August 31, 2020: Smt.H.R.Archana, Faculty, Department of Electronics & Communication Engineering published research paper titled "Design of an Efficient AXI-4 Protocol for High Speed SOC Applications on FPGA Platform" in the Journal of Telecommunication, Electronic and Computer Engineering, Vol. 12 No.3 July – September 2020

August 31, 2020: Dr.S.Jayanthi, Professor, Department of Mathematics & Dean (First Year) published research paper titled "Numerical Study of Darcy Forchheimer Unsteady Mixed Convection Flow of Nanofluid With an Exponentially Decreasing Free-Stream Velocity Distribution" **in the Computational Thermal Sciences: An International Journal, Vol. 12. No. 4, PP: 289-303, ISSN: 1940-2503(P) 1940-2554 (O) - Web of Sciences: Emerging Sources Citation Index - DOI: 10.1615 / ComputThermalScien.2020032820**