



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

**REPORT ON COLLEGE ACTIVITIES – SEPTEMBER 2021**

**September 1, 2021:** Institute Social Responsibility Cell (ISRC) has been constituted to conduct collaborative extension activities and facilitate Student engagement in such activities and First Meeting of ISRC was held.



**September 1, 2021:** The BMSCE NSS Unit in collaboration with Adanya Chetana organized “Grocery kit Packaging” - a Shramadhaan event.



**September 1, 2021:** Dr.M.N.Mamatha, Professor, Department of Electronics & Instrumentation Engineering **filed application bearing No.202041053301 for Indian Patent for the invention “Transparent Photodiode Based 7-Segment Display Digit Recognition and Transmission”.**

**September 1, 2021:** Dr.C.Sampath, Faculty, Department of Chemistry **published research article titled “Molecular docking of phenolic compounds and screening of antioxidant and anti-diabetic potential of Olea europaea L. Ethanolic leaves extract” in the Arab. J. Chem, Elsevier, 2021, 14, 103422. Web of Science indexed Q2 ranked journal with impact factor: 5.16** <https://doi.org/10.1016/j.arabjch.2021.103422>

**September 2, 2021:** Dr.R.V.Ranganath, Professor, Department of Civil Engineering was invited to conduct a seminar for faculty on “Outcome Based Education” by NIE, Mysuru.

**September 2, 2021:** Dr.D.N.Sujatha, Professor, Department of Computer Applications was invited as subject expert for the panel of teaching faculty recruitment process in the Department of Computer Applications by P.E.S. University, Bengaluru.

**September 2, 2021:** The BMSCE NSS Unit BMSCE in collaboration with Unnat Bharat Abhiyan (UBA) organized an awareness program to fight against unprecedented complications of Covid -19 along with a mask distribution event at Kembodi Govt. Primary High School and Uthanur Government School, Kolar District.





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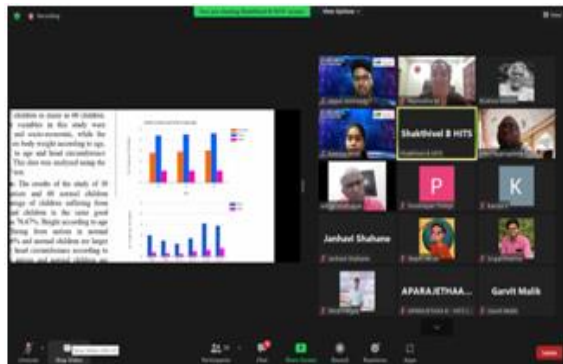
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**September 3, 2021:** Meeting of College Council was held to discuss Institute electives to be offered for 7<sup>th</sup> semester students, Institute Elective Course in Satellite System, Vacation for faculty and conduction of Virtual Phase Shift 2021.



**September 3, 2021:** Dr.H.B.Nagaraj, Faculty, Department of Civil Engineering was nominated as Member, NBA Expert Committee for evaluating Engineering College in Bangalore for Accreditation from September 3-5, 2021.

**September 3, 2021:** Smt.M.Namratha, Faculty, Department of Computer Science & Engineering was invited as Jury member for the Project Abstract Presentations (online) for the 2<sup>nd</sup> Annual IUCEE Student Summit 2021 from September 3-5, 2021.



**September 3, 2021:** Dr.S.Joshi Manisha, Faculty, Department of Medical Electronics along with Research Scholar Ms.C.Kamala presented a technical paper titled “Comparative Analysis of Image Enhancement Techniques for Ultrasonic Ovarian Cyst Images” in the International Conference on Inventing Research in Computer Applications (ICIRCA-2021), an IEEE indexed Conference

**September 4, 2021:** Faculty of Department of Mechanical Engineering contributed towards rescuing an injured Kite bird in association with NGO “People for Animals”.



**September 4, 2021:** Department of Electronics & Instrumentation Engineering organized (virtual) Education Series under professional body activity in collaboration with International Society of Automation (ISA) Bangalore, under which an (online) webinar on “Digital Transformation in Industries” was also conducted.

**September 4, 2021:** BMSCE NSS Volunteers, Sahaj C Shetty and Prajwal P Rao participated at the University Level Pre Republic Day Celebration selections held at Visvesvaraya Technological University (VTU), Belagavi. Sahaj C Shetty has been selected.



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**September 5, 2021:** Sri.P.Lakshminarayana, Faculty, Department of Computer Applications **published research paper titled “Kinetic Gas Molecular Optimized (KGMO) Artificial Neural Network (ANN) Based Software Reliability Prediction for Banking Applications” in SPRINGER LNNS. DOI: 10.1007/978-3-030-86223-7\_15. This paper is a book chapter in Lecture Notes in Networks and Systems book series (LNNS, volume 303).**

**September 5, 2021:** BMSCE NSS Unit in collaboration with Adanya Chetana organized “Green Drive”, a tree planting session as part of the 297th “Green Sunday” on the occasion of Teacher’s Day, to honour the best Teacher Mother Earth, an initiative that aims to increase the ratio of people to trees in Bangalore to at least 1:1 by planting trees every Sunday.



**September 6, 2021:** Dr.K.J.Rathanraj, Professor, Department of Industrial Engineering & Management was invited to deliver (online) a course on “Control Charts” by BEML from September 6-10, 2021.

**September 7, 2021:** Prasansa Bagat, Ajay Patel and Kshitij Sharma, students of 4<sup>th</sup> semester of Electronics & Telecommunication Engineering presented the project abstract on “Waste management of Perishable fruits and Vegetables” in the IUCEE Student Summit 2021 under the guidance of Dr Rajeshwari Hegde, Faculty of the Department.

**September 8, 2021:** Dr.D.N.Sujatha, Professor, Department of Computer Applications was invited as Chief Guest for the event IEEE-AIT SB AGM 2021 by Atria Institute of Technology, Bengaluru.



**September 8, 2021:** BMSCE NSS Unit organized “Go Green Ganesha” on the occasion Ganesh Chaturthi.





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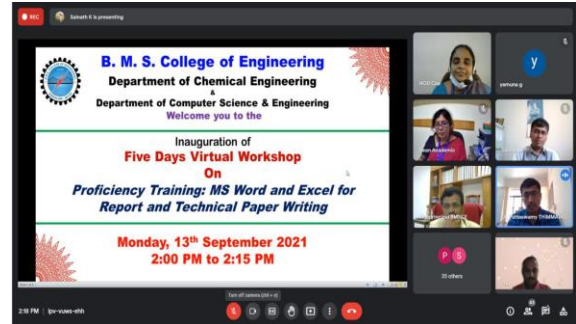
**September 11, 2021:** Volunteers of BMSCE NSS Unit participated in the vaccination survey - An initiative made by the organization “Let’s Be The Change” to achieve 100% vaccination in the locality of Yarab Nagar.



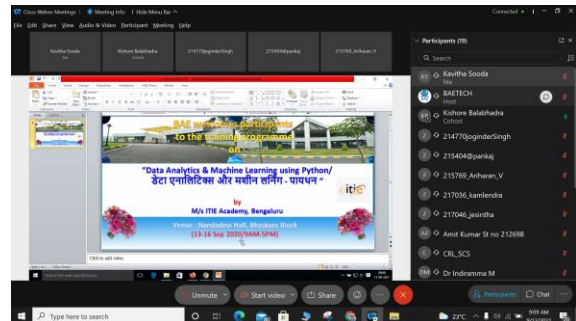
**September 12, 2021:** Volunteers of BMSCE NSS Unit participated in the Green Sunday Plantation drive during the month on Sundays (Green Sunday) - An initiative made by Adama Chetana Foundation that aims to increase the Plants to Human ratio by planting saplings every Sunday and also spreading awareness about growing trees among the public volunteers.



**September 13, 2021:** Department of Computer Science & Engineering in association with the Department of Chemical Engineering organized Five Days Workshop (virtual) on “Proficiency Training: MS Word and Excel for Report and Technical Paper Writing” from September 13-17, 2021.



**September 13, 2021:** Department of Computer Science & Engineering executed its first new venture for the academic year 2021-2022 of Consultancy Service by training the Bharath Electronics Limited (BEL), Bangalore employees on “Data Analytics & Machine Learning using Python” from September 13-16, 2021. Consultancy amount of Rs.75,000/- were shared to the training resource persons Dr.M.Indiramma, Dr.N.Nagarathna, Dr.Jyothi Nayak, Dr.Kavitha Sooda and Sri.B.M.Vikranth, Faculty of the Department.



**September 13, 2021:** Dr.Vijayalakshmi, Professor & Head, Department of Medical Electronics was invited as subject expert for the panel of teaching faculty recruitment process in the Department of Medical Electronics by Dayananda Sagar College of Engineering, Bengaluru.



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**September 14, 2021:** The following faculty members of the Department of Civil Engineering were invited to deliver talks in the Five Day Faculty Development Program (online) organized by Dayananda Sagar Academy of Technology & Management, Bengaluru:

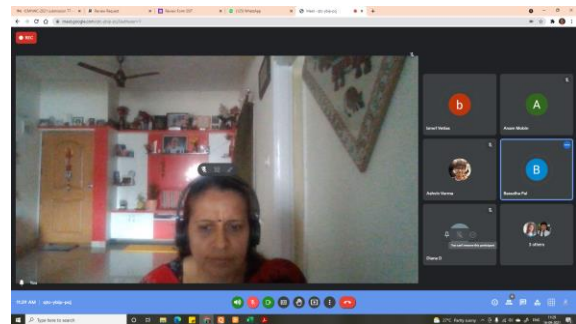
- Dr.S.Raghunath, delivered a talk on “Masonry structures- An approach towards Sustainability”.
- Dr.R.V.Ranganath, delivered a talk on “Sustainable Concrete”.

**September 14, 2021:** The following faculty members of the Department of Mechanical Engineering were invited to deliver lectures in the One Week Short Term Training Programme on ‘MATLAB’ by M.V.J.College of Engineering, Bengaluru:

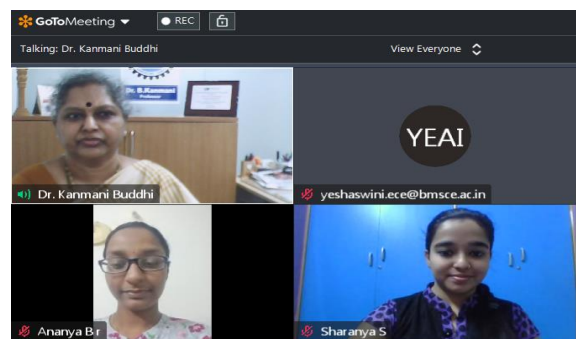
- Dr.H.K.Rangavittal, was invited as Chief Guest for the Programme and he also delivered keynote lecture on “Introduction to MATLAB and its importance”.
- Dr.Shivashankar R Srivatsa, delivered lecture on “Applications of MATLAB for Rigid body Static and Dynamic Analysis”.
- Sri.Narahari, delivered lecture on “Real time Problem Solving using MATLAB”
- Sri.K.Devaraj delivered lecture on “Fluid Dynamics Problems using MATLAB/Octave”.

**September 14, 2021:** Dr.Rajeshwari Hegde, Faculty, Department of Electronics & Telecommunication Engineering participated in the Tata Crucible Corporate Quiz 2021 and qualified for level 2 prelims.

**September 14, 2021:** Dr.Rajeshwari Hegde, Faculty, Department of Electronics & Telecommunication Engineering was invited to chair a session 4<sup>th</sup> IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT 2021) by Velalar College of Engineering and Technology, Tamil Nadu.



**September 15, 2021:** Department of Electronics & Telecommunication Engineering organized Two Week (online) Internship on “Analog Signal Processing Concepts using Python” as part of the DSR (Department Social Responsibility) activity. Dr.B.Kanmani, Professor & Head, was the sole resource person and the workshop was attended by 60 participants from 16 Colleges.





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**September 16, 2021:** Dr.S.Muralidhara, Professor, Department of Civil Engineering & Vice Principal was nominated as Member, NBA Expert Committee for evaluating Engineering College in Maharashtra for Accreditation from September 16-18, 2021.

**September 16, 2021:** Dr.V.Bharathi, Faculty, Department of Mechanical Engineering was invited to deliver an invited lecture (online) on “Significance of Total Productive Maintenance” by M/s S.G.Corporates, Puttur.

**September 16, 2021:** Dr.Anil Chandra, Faculty, Department of Mechanical Engineering along with [Debapriya Pinaki Mohanty](#), [Anirudh Udupa](#), [James B. Mann](#) & [Srinivasan Chandrasekar](#), students of the Department published paper titled “A study of formability of palm leaf materials using Limiting Dome Height testing”, MRS Communications (2021). <https://doi.org/10.1557/s43579-021-00094>.

**September 16, 2021:** Department of Electrical & Electronics Engineering organized (online) Pre-Ph.D comprehensive Viva-Voce in respect of Research Scholar Mrs.Shilpa Aralasureli Subramanya on research work titled “Smart demand side management for a photovoltaic microgrid” under the guidance of Dr. A.N.Nagashree, Faculty of the Department.

**September 16, 2021:** Dr.S.B.Bhanu Prashanth, Professor, Department of Medical Electronics was invited to deliver a technical talk on “Wearable sensors and medical IoT systems” in the ATAL - sponsored Faculty Development Programme on Revolution in 5G and beyond with

Industrial Instrumentation approach and Machine Learning Dayananda Sagar College of Engineering, Bengaluru.

**September 18, 2021:** Dr.B.V.Ravishankar, Principal was invited for panel discussion on challenges and opportunities as per the New Education Policy in the Mega Education Fair ‘Vidyapeeta’ organized by Public TV.



**September 18, 2021:** Dr.B.Kanmani, Professor & Head, Department of Electronics & Telecommunication Engineering, was invited to handle the (online) session on “Best Practices in Outcomes Based Education” by Amrita Vishwa Vidyapeetam, Amritapuri Campus, Kerala.

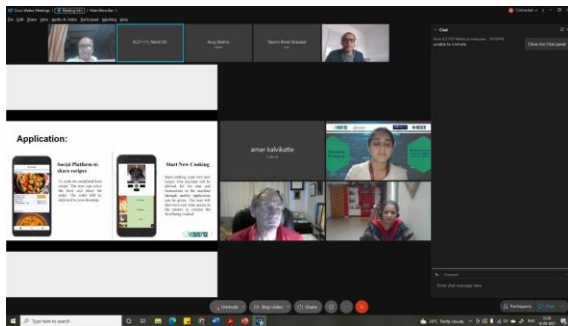




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**September 18, 2021:** M.P.Mahima, student of Electronics & Telecommunication Engineering, Shivam Vaish, student of Computer Science & Engineering and S.Nikhil, student of Information Science & Engineering presented the project titled “iChef: A Smart Kitchen” under the guidance of Dr.Rajeshwari Hegde, Faculty, Department of Electronics & Telecommunication Engineering in the IEEE YESIST12, Global Innovation Challenge 2021. More than 50 teams from Asian countries participated in the final round.



**September 18, 2021:** Dr.B.N.Shubha, Professor & Head, Department of Management Studies was invited as External Advisor for Academic Audit Committee by Dayananda Sagar Academy of Technology & Management, Bengaluru.



**September 19, 2021:** Dr.B.V.Ravishankar Principal was invited by Praja TV to address on challenges & opportunities as per the New Education Policy in the Marghadharshi-2 Program.



**September 20, 2021:** Dr.A.N.Nagashree, Faculty, Department of Electrical & Electronics Engineering, along with Anusha Madan, Arati Ganesh, Preethi N, Sahana Bandekar, students of 8<sup>th</sup> semester presented paper titled “Mobile Covid Sanitization Robot” in the 2021 International Symposium of Asian Control Association on Intelligent Robotics and Industrial Automation held at IIT Goa.

**September 20, 2021:** Dr.Vijayalakshmi, Professor & Head, Department of Medical Electronics was invited to deliver a Inaugural Lecture for a Value added course on “Science behind Devices of Daily Utility” by National College, Bengaluru.

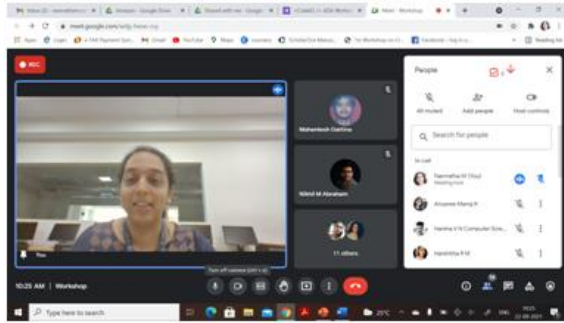




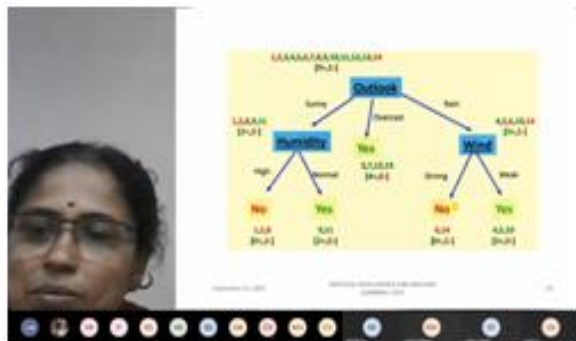
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**September 21, 2021:** Department of Computer Science & Engineering in association with <CodeIO/> Club organized workshop (online) on “Cracking Placement Interview Questions on Analysis and Design of Algorithms and Code Optimization-Hands-on” for the UG students from September 21-25, 2021.



**September 21, 2021:** Dr.G.R.Asha, Faculty, Department of Computer Science & Engineering was invited to deliver a talk on “ID3 algorithm and demonstration” in an (online) Faculty Development Programme on Artificial Intelligence and Machine Learning by SJCIT, Chickballapur.



**September 22, 2021:** Sri.K.Arjun, Faculty, Department of Civil Engineering was invited to deliver a talk on “Stress Management & behavioural skills” to the trainees by Police Training Academy, Tirupati, Andhra Pradesh.

**September 23, 2021:** Meeting of Deans Council to discuss Finalization of mode of conduction of classes (offline/online), Implementation of NEP for First Year B.E. Program and Calendar of Events for Higher semester/PG Programs for the AY 2021-22.

**September 23, 2021:** Dr.Suresh Ramaswamy Reddy, Professor, Department of Civil Engineering was nominated as Member, NBA Expert Committee for evaluating Engineering College in Andhra Pradesh for Accreditation from September 23-25, 2021.

**September 23, 2021:** Dr.H.B.Nagaraj, Faculty, Department of Civil Engineering was nominated as Member, NBA Expert Committee for evaluating Engineering College in North India for Accreditation from September 23-25, 2021.

**September 23, 2021:** Dr.B.Kanmani, Professor & Head, Department of Electronics & Telecommunication Engineering, was invited to serve as the sole resource person for the One day Workshop on “Reframing of COs-POs in alignment to NEP 2020” by the New Horizon College of Engineering, Bengaluru.







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**September 23, 2021:** Dr.M.N.Mamatha & Smt.A.Vani, Faculty, Department of Electronics & Instrumentation Engineering were invited as resource persons for a value-added course titled “Science behind daily life utilities” by National College, Bengaluru.

**September 23, 2021:** BMSCE NSS Unit organized Khadi Exhibition by Karnataka Sarvodaya Sangha on the occasion of Azadi ka Amrut Mahotsav from September 23-24, 2021 in the campus.



**September 24, 2021:** Meeting of College Council to discuss regarding total credits to be earned by 2021-22 batch of B.E. students, implementation of NEP for the First Year (2021-22 batch), Mode of Conduction of classes (offline/online) and Calendar of Events for the PG programs AY 2021-22.



**September 24, 2021:** Dr.L.Ravikumar, Professor, Department of Mechanical Engineering was nominated as Member, NBA Expert Committee for evaluation of Engineering College at Vishakapatnam for Accreditation from September 24-25, 2021.

**September 24, 2021:** Dr.B.Sachin Kumar, Faculty, Department of Mechanical Engineering was invited to Chair a Session in the 3<sup>rd</sup> International Conference on Computing in Mechanical Engineering 2021 (ICCME’21) by SCMS School of Engineering & Technology Karukutty, Ernakulam, Kerala.

**September 24, 2021:** Departments of Industrial Engineering & Management and Computer Science & Engineering organized value added course on “Python Programming” for the students of 3<sup>rd</sup> & 4<sup>th</sup> year.

**September 24, 2021:** BMSCE (Department of Computer Science & Engineering) signed an MoU with ITIE Knowledge Solutions, Bengaluru. The aim of this research collaboration is to promote academic and technical knowledge, projects and educational exchange between these two organizations while strengthening the scientific exchange and cooperation.

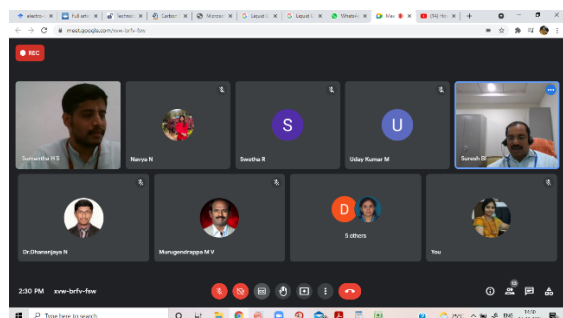




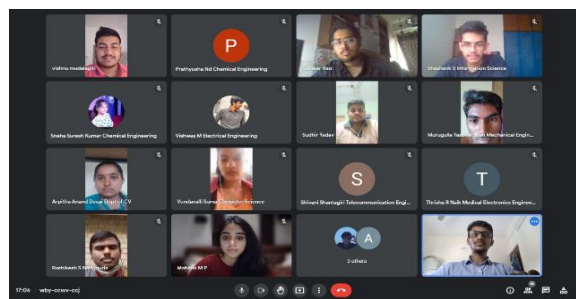
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**September 24, 2021:** Department of Physics organized open seminar (online) in respect of Research Scholar Mr.H.S.Sumantha on the research work titled “Synthesis & Characterization of Nano porous Anode for Li<sup>+</sup> Batteries” under the guidance of Dr.B.L.Suresha, Faculty of the Department.



**September 24, 2021:** BMSCE NSS Unit organized the annual NSS day. During the occasion the sheer beauty of NSS as an organization, social service as an act of humanity and also commemorated the activities of the The host, Mr.Mohit Raj Bhurat explained the significance behind NSS day and what it stands for followed by speakers including Ruchi Agarwal (Alumni), M.P.Mahima (Co-ordinator), Baburao Ijare (Senior Volunteer), Dheeraj R (Senior Volunteer), Sameer Rao (Junior Volunteer) and Vishnu Mudalagiri (Alumni).



**September 25, 2021:** The following faculty of the Department of Electrical & Electronics Engineering along with students presented paper in the International symposium on “Sustainable Energy and Technological Advancements (ISSETA 2021)” organized by NIT Meghalaya, Shillong:

- Dr.R.S.Geetha along with S.Shilpashree, M.Tech student, presented paper titled “Cell Balancing and State of Charge Estimation of Lithium-Ion Cells for Electric Vehicle Applications”.
- Dr.A.Usha along with T.N.Dishashree, M.Tech student, presented paper titled “Design and Implementation of 165W Current fed push pull converter for military and space applications”.

**September 25, 2021:** Dr.Vijayalakshmi, Professor & Head, Department of Medical Electronics was invited as subject expert for the panel of teaching faculty recruitment process by Raja Rajeswari College of Engineering and A.C.S College of Engineering, Bengaluru.

**September 25, 2021:** Dr.K.E.Ganesh, Faculty, Department of Physics has been appointed as Associate Editor for iSciPub publisher “International Journal of Innovation in Advanced Physics” for three years  
[https://www.isci-pub.com/journals/ijiap/editorial\\_board.html](https://www.isci-pub.com/journals/ijiap/editorial_board.html).

**September 26, 2021:** Dr.V.N.Shailaja, Faculty, Department of Industrial Engineering & Management along with Alaparathi Charan Sai, Bharath Bushan, Manohar S, students of IEM published paper titled “Study of impact Assessment of Smartphone using Gabi Software” in the Scopus Indexed Journal, Journal of



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**Chengdu University of Technology (Science & Technology) ISSN-NO- 1671-9727,PAPER ID: CDU-0921-186, <http://cdujournal.com/index.php/vol26num9/>.**

**September 26, 2021:** Dr.B.Kanmani, Professor & Head, Department of Electronics & Telecommunication Engineering was invited for the (online) panel discussion on “COVID-19: How can learning loss for students be addressed?” by the Bahaí Community, Bengaluru.

**September 27, 2021:** Dr.B.V.Ravishankar, Principal was invited for the Workshop “UGC Paramarsh” to guide and train five mentee institutions with regard to assessment and accreditation by NAAC by Basavaprabhu Kore Arts, Science & Commerce College, Chikodi.



**September 27, 2021:** Department of Mechanical Engineering in association with ISTE-BMSCE Chapter organized One Week Faculty Development Program on “Recent Advances in CFD and its Applications” from September 1 – October 1, 2021.



**September 27, 2021:** Mechanical Engineering Association (MEA) organized an offline value added course on “Fundamentals of Solid Modeling using Solid works” for the students of 5<sup>th</sup> & 7<sup>th</sup> semesters from September 1 – October 1, 2021.



**September 27, 2021:** Department of Mechanical Engineering organized Ph.D. final Viva-Voce (online) in respect of Sri.V.Ram Rohit, Research Scholar and faculty of the Department under the guidance of Dr.K.Mallikharjuna Babu, Former Principal, BMSCE & Dr.P.Martin Jebaraj, Former Dean, VTU on the thesis titled “Development of Non-Edible Vegetable Oils Based Magneto Rheological Fluids”.

**September 27, 2021:** Dr.B.G.Suhas, Dr.Chidanand Mangrulkar and Sri.K.U.Kiran Kumar, Faculty, Department of Mechanical Engineering **published research paper titled “Numerical analysis on performance evaluation of a flat plate louvered fin heat exchanger” in the Journal of Engineering Science and Technology Vol. 17, No. 3(2022), PPP - QQQ © School of Engineering, Taylor’s University.**



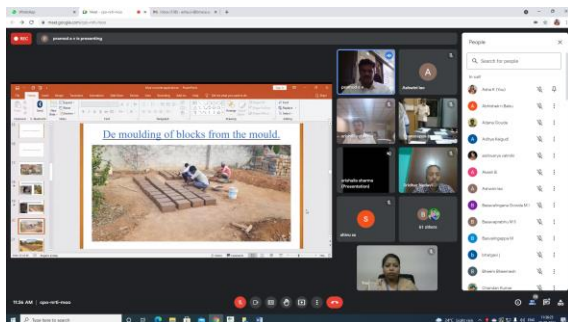
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**September 27, 2021:** Dr.Rajeshwari Hegde, Faculty, Department of Electronics & Telecommunication Engineering received Certificate of Excellence in recognition of outstanding contribution as reviewer to the quality of journal from Asian Journal of Education and Social Studies.

**September 27, 2021:** Department of Electronics & Instrumentation Engineering organised (virtual) Education Series under professional body activity in collaboration with International Society of Automation (ISA) Bangalore, under which an (online) webinar on “Industry 4.0 Real Life Implementation Case Studies” was also conducted.

**September 28, 2021:** Dr.K.Asha, Faculty, Department of Civil Engineering was invited as a Resource Person and Panelist for one day seminar on “Awas Par Samvad” by Rao Bahadur Y Mahabaleswarappa Engineering College, Bellari for Pradhan Mantri Awas Yogna - Urban, Ministry of Housing and Urban Affairs. She also delivered (online) technical talk on “Sustainable and Affordable homes - An Indian Perspective” .



**September 28, 2021:** Sri.K.Devaraj, Faculty, Department of Mechanical Engineering published research paper titled “Conjugate Heat Transfer Analysis of Flat Plate subjected to impingement and Film cooling” in the **International Journal for Research in Applied Science & Engineering Technology (IJRASET)** ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429 Volume 9 Issue IX Sep 2021- Available at [www.ijraset.com](http://www.ijraset.com).

**September 30, 2021:** Sri.H.R.Sridhar, Faculty, Department of Management Studies was invited to deliver a Guest Lecture on “Becoming the Best version of you” by VVN PU College, Bengaluru.



**September 30, 2021:** Department of Management Studies organized Guest Lecture (online) on “Career Design in the Digital Era”. The lecture was delivered by Mr.Rajendra Krishnamurthy, Manager-Talent Acquisition, Qualcomm India Pvt. Ltd., Bengaluru.

