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Activities and Achievements of Department of Electronics and Communication

1. TEQIP-III sponsored a two-week faculty development programme (on-line) on “Fabrication of Electronic Devices using Nanomaterials” from 24 th Aug to 04 th Sep 2020. Amount: 22,300/- number of participants:
2. A paper titled “A challenging future virtualization technology in IC engine development focusing on HEV application” authored by Shoaib Ahamed and Halesh M. R was presented and published at International journal of Latest transactions in Engineering and science. July 2020
3. A paper titled “Modeling and simulation of virtual NOx sensor for diesel engine using thermodynamic model” authored by Shoaib Ahamed and Halesh M. R was presented and published at the International conference on trends in mechanical engineering science. June 2020.
4. A paper titled “SmartPhone Based Billing System For Android Users” authored by Renuka B S, Sachin T M and Darshan Gowda M C was presented and published at the International conference of advanced Science and Technology.
5. A paper titled ‘Medi-QR Multiple Medication Reminder Using QR code’ authored by Renuka B S and Chandrashekar B N was presented and published at International Research Journal of Engineering and Technology (IRJET).
6. A paper titled “Early Detection of MCI” authored by B A Sujathakumari, A G Varun Yadiyala, Aruna B J, Radha C and Shwetha B was published in IJRTE ISSN: 2277-3878, Volume-9 Issue-1, May 2020.
7. A paper titled “Exploring the methods on early detection of Alzheimer disease” authored by B A Sujatha Kumari, Charitha Shetty M, Lakshitha H M, Mehulkumar P Jain and Suma S was published in IJRTE ISSN: 2277-3878, Volume-9 Issue-1, May 2020.
8. A paper titled “Security of IoT System using Blockchain” authored by Sujatha Kumari B A, Sadaf Farheen was published in IJRTE ISSN: 2277-3878, Volume-9 Issue-1, May 2020.



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9. A paper titled “Digitized Braille cell: a novel solution for visually impaired” authored by S. Gayathri1, B. A. Sujathakumari , Nishanth S. Murthy, Mukundh Balabhadra, Nikhil S. Joshi and C. Sandesh were presented in International Journal of Information Technology(Springer) ISSN 2511-2104 , August 2020.
10. Prof. Sujatha Kumari B A, A G Varun Yadiyala, Aruna B J, Radha C, Shwetha B “Early Detection of Mild Cognitive Impairment using 3D Wavelet transform” presented in ICDICI-July 2020.
11. Prof Sujathakumari B A and Sadaf Farheen “ Block Chain Based Data Security for Financial Transaction System” presented in ICICCS-May 2020.
12. B A Sujatha Kumari, Charitha Shetty M, Lakshitha H M, Mehulkumar P Jain, and Suma S “ Predictive analysis for early detection of Alzheimers Disease” presented in ICDICI –July 2020.
13. Shivaprasad N, Dr. Veena, M.G., and Dr. Siddaramaiah, Enhancement of the Dielectric behaviour of polyvinyl alcohol with intercalating copper doped calcium manganese oxide nanoparticles for polymer capacitors, International Conference on Advanced Materials and Technology, 18 th January 2020.
14. Parvathy Bhaskar, M. G. Veena, C.M. Mahadevaprasad, Rachanasree, B.S. Madhukar, “Effect of Nano Pr 6 O 11 on microcrystalline, morphological and optical properties of ZnO nanoparticles”, International Virtual Conference on Advanced Nanomaterials for Energy and Environment Applications (ICANEE-2020), 16th to 18th Sep 2020.
15. Prasenjit Biswas and M.G. Veena “High Voltage Direct Current Tracking and Erosion Resistance study of Silicone rubber Outdoor Insulator”, Journal of Electrical Engineering, 102(1), pp. 187-194, Jan 2020.
16. Dr. M G Veena was invited as a Chief guest and Jury of Internal Hackathon at Mysore College of Engineering and Management (MyCEM) on 5th Feb 2020.
17. TEQIP-III sponsored two-week faculty development programme on “Fabrication of Electronic Devices using Nanomaterials” from 24th Aug to 04th Sep 2020.
18. Kavyashree M K,Vidyashree D ,”UAV Communication Network:Power Optimization and End to End Delay” presented the paper in international conference on sustainable



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communication Networks and application organized on 6-7 ,August 2020 by surya Engineering College ,Erode, India

19. Kavyashree M K, Megha K M, “DTMF Controlled Metal Detector Robotic Vehicle” presented the paper in International conference on recent trends in science and Technology organized by ATME College of Engineering on 17 th -18 th ,june 2020.
20. Gayathri S, Manasa M.G, “Power Minimization Architecture for Multimodal Biometric System using Cadence”, International Journal of Emerging Science and Engineering (IJESE) ISSN: 2319–6378, Volume-6 Issue-9, April 2020, pp 1-5.
21. Sachin M N, Dr Gayathri S, Eswar Goda, “ An Instruction-level functionality based Tricore TM power estimation model for an automotive microcontroller”, International Journal of advanced Science and Technology, Vol 29, No. 3, September 2020 pp 14825-14836.
22. Dr Gayathri , B A Sujathakumari, Nishanth S Murthy, Mukundh Balabhadra, Nikhil S Joshi, C Sandesh, “Digitized Braille cell”, International Journal of Information Technology, Aug 2020 pp 1-8.
23. Anala, S. Gayathri, Ramesh Ramaswamy, Chetan Waghmare, An Approach to Mathematically Correlate Timing of Transaction Activity Between presilicon and Post silicon Environment”, SN Computer Science (2020) 1:125, Springer Nature Singapore Pte Ltd 2020, pp 1-5.
24. TEQIP III Sponsored On line Workshop on “Women Entrepreneurship”: Under Twinning arrangement, Equity Action Plan on 14th October 2020.
25. Shashidhar, R., Shruthi, B. R., Hariprasad, S. A., and Singh, K. R. (2020). Real-Time Fatigue Detection using a Low Cost Wireless EEG Device. I-manager’s Journal on Embedded Systems, 8(2), 8-13.
26. Shashidhar R, Abhilash S, Sahana V, Alok N A, Roopa M “IoT Cloud: In Health Monitoring System” International Journal Of Scientific & Technology Research Volume 9, Issue 01, January 2020. pp 227-230.
27. Nagarjuna G R, Shashidhar R “IoT Enabled smart traffic system for public and Emergency Mobility in smart city” ISMAC 2020 held on 7 th -9 th October 2020.



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28. Puneeth K M, Pooja P, “An Approach of Exploiting Docker Container Security”, International Journal of Advanced Research in Engineering and Technology (IJARET), Volume 11, Issue 7, July 2020, pp. 595-601; ISSN Print: 0976-6480 and ISSN Online: 0976-6499. (Scopus indexed)
29. Puneeth K M, Pooja P, “Static Pentesting of Android Application”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8, Issue-6, March 2020, Pages 5685-5690. (Scopus indexed).
30. Puneeth K M, Bindu R, “Detection and Classification of Paddy Leaf Diseases Using Artificial Neural Network, ASAR, International Conference on Advanced Research in Computer Science and Information Technology (ICARCSIT), 3 rd April, 2020, Bengaluru.
31. Paper authored by Ramya M V with the title “Design and Implementation of IoT Based Remote Laboratory for Sensor Experiments”, International Journal Of Interactive Mobile Technologies, Vol. 14, No. 09, pp. 227-238, 2020.
32. Paper authored by Ramya M V with the title M- Learning based Remote Laboratory for Electronics Experiments, International Journal of Online and Biomedical Engineering, Vol. 16, No. 11, pp. 4-15, 2020.
33. Ramya M V, Patent filed and published titled SYSTEM AND METHOD OF A HYBRID CONTROL MODEL FOR POWER QUALITY IMPROVEMENT OF WIND ENERGY CONVERSION SYSTEM WITH UNIFIED POWER QUALITY CONTROLLER at Indian patent office with application number 202041030781 on 19.07.2020.
34. 43 rd series KSCST project titled and Funded 5,000/- by KSCST for the “Hard Writing Robot for regional language” student project in the year 2019-20.
35. U B Mahadevaswamy, Pavan Nayak et all, “ Automation of soil nutrient measurement system and irrigation control”, 3 rd international conference on communication, circuits and system held at school of electronics engineering, kalinga institute of industrial technology, bhuvansewar, India from 16 to 18 October 2020.
36. U B Mahadevaswamy and Aashritha D et all, “Indoor Navigation Assistant for visual impaired (INAVI), 2 nd international conference on communication, computing and electronic systems (ICCCES 2020) from 21 to 22 October 2020.



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37. A paper titled” Real Time Implementation of BCM functions and Analysing with CANoe” authored by Yashwanth S D and Naveen B was presented and published at International conference on Smart Electronics and Communication 2020: (ICOSEC 2020).
38. Under the guidance of Prof. Yashwanth S D, Students named Rakshith K S, Pratheek Janaj, Pannaga and Rahul Rajkumar participated in the national level eyic competition and have qualified for finals held in the academic year 2019-20 held at the Indian Institute of Technology(IIT), Bombay.
39. Under the guidance of Prof.Yashwanth S D, Students named Rakshith K S, Pratheek Janaj, Pannaga and Rahul Rajkumar were selected for the regional convention of “Chhatra Vishwakarma Award-2019” held on 24th December 2019 under south western region Bengaluru.