KUMARAGURU COLLEGE OF TECHNOLOGY
NAAC (National Assessment and Accreditation Council) A++ GRADE

Department of Electronics and Communication Engineering

Faculty Publication

JANUARY -DECEMBER 2020

Sl.No.	Title of the Paper
1.	Karthi S.P, Kavitha K.Dineshkumar (2020) A Novel Method for Detecting Parametric Faults in Analog Circuits using Fuzzy Logic., International Journal of Innovative Technology and Exploring Engineering (IJITEE)I,ssue, 9(3), 3404–3407. doi: 10.35940/ijitee.c8883.019320
2.	Haridas, A. V., Marimuthu, R., Sivakumar, V. G., & Chakraborty, B. (2020). Emotion recognition of speech signal using Taylor series and deep belief network based classification. Evolutionary Intelligence, 1-14.
3.	S. Umamaheswari and K. Harikumar(2020),Analyzing Product Usage Based on Twitter Users Based on Datamining Process, International Conference on Computation, Automation and Knowledge Management (ICCAKM), Dubai, United Arab Emirates, 2020, pp. 426-430, doi: 10.1109/ICCAKM46823.2020.9051488.
4.	Dr.R.Hemalatha,, K.Geethanjali, M.S.Aruna Priya, S.Preetha,(2020),Analysis of smart technologies for smart gardening, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE) ,Volume 9, Issue 4
5.	Kowsalya, Sukirtha,Krithika ,(2020)Securing the Communication Network of Internet of Things in Smart Cities through Quantum Deployment, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE) ,Volume 9, Issue 4,
6.	David.s,Vanathi.P,(2020)Empirical Analysis of Vehicular Network Design Strategies and Routing Efficiency with AODV Protocol,Test Engineeering and Management,Vol. 83,PP 1968-1975
7.	P.Ramya, R.K.Kavin, R.Rathish, M.Satheesh Kumar, R.Karthi Kumar,(2020),Accident Avoidance and Prevention System,International Journal of Engineering science and computing (IJESC), Volume 10, Issue No.5, May 2020
8.	E. M. Aswin, C. Jithesh kumar, A. R. Bharath, N. Pradeep raj, Dr. M. Shanthi (2020) ,Sewage Workers Smart Monitoring System, International Journal for Research in Applied Science & Engineering Technology (IJRASET) Volume 8, Issue 5, Pg 2371-2375
9.	S. Arun Kumar, S. Sasikala , (2020) ,Effective Aquatic Waste Removal through Lake Cleaning Robot for Smart City Environment, International Journal of Innovative Technology and Exploring Engineering (IJITEE),Jan 2020 ISSN: 2278-3075, Volume-9, Issue-4,DOI: 10.35940/ijitee.C8905.029420
10.	Logesh M, Karthika K,(2020) ,Mean Stack Web Development,International Research Journal of Engineering and Technology (IRJET), Volume 7, Issue No.5
11.	Jasmine.K,Dr.K.Kavitha, Dhivya Praba.R, (2020), Performance Analysis of Diversity Techniques for Wireless Communication, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), Volume 9, Issue 5
12.	M.Abi Priya, S.Hema, R.Dhivya Praba,(2020),Fake product review monitoring and removal for genuine online product reciew using IP address monitoring, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), Volume 9, Issue 6
13.	S, Boopathy & Gokul Anand & Rajalakshmi, N. (2020). Smart Irrigation System for Mint Cultivation through Hydroponics Using IOT. Test Engineering and Management. 83. 13706-13714.
14.	Yukesh M, Roshini Devi V.J, Harish Raj S, Priya R, Anusha K,(2020) ,COMPOST MANAGER, International Journal of Creative Research Thoughts (IJCRT), ISSN:2320-2882, Volume.8, Issue 7, pp.4971-4973 http://www.ijcrt.org/papers/IJCRT2007542.pdf
15.	David, S., Ajay, V. P., & Kirubanandasarathy, N. (2020). VANET based self-governed vehicle strategy in association with multi-object recognition and key mapping features. Materials Today: Proceedings, 33, 3838-3845.

16.	V.P. Ajay, M. Nesasudha,(2020)Efficient energy harvesting scheme with power optimization strategies over cognitive radio networks,Materials Today: Proceedings,Volume 33, Part 7,2020,Pages 3889-3895, ISSN 2214-7853
17.	S. Umamaheswari. (2020). Performance analysis of wireless sensor networks assisted by on-demand-based cloud infrastructure. International Journal of Communication Systems. 33. e4272. 10.1002/dac.4272.
18.	Anoop Srivatsan Balaji, Lokitha T, Suvetha P, Vishnu Prabhakar R, R. Karthi Kumar, (2020),Automatic fish feeding and monitoring system foraquarium using 555 TIMERS, International Journal of Technical Research & Science. ISSN:2454- 2024 https://doi.org/10.30780/IJTRS.V05.I06.005
19.	Paul, T. D., Malingan, N., & Angeline, P. S. (2020), Intelligent wireless communication establishment with fault free IoT enabled machine learning strategies. Materials Today: Proceedings https://doi.org/10.1016/j.matpr.2020.06.214
20.	Timothy D Paul and Dr Vimalathithan Rathinasabapathy,(2020),Avoiding Data Bottle Neck in Water Quality Monitoring in tanks and lakes Using ZigBee, Test Engineering and Management, vol (83), issue March- April 2020, 24995-25001.
21.	S.Poornima , M.Nagachindhu , R. Dhivya Praba ,(2020),A Novel Patient Assessment and Pharmacy Management using Web Technology, in Journal of International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering Volume 9, Issue 6
22.	S.Chidhambaram, R.S.Mukilan, R.Shivabalaji, K.Vigneshwaran, R.Dhivya Praba,(2020),Smart Traffic Light Controller Using Image Processing, Journal of International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering Volume 9, Issue 8
23.	B.Gopinath and R.Santhi, (2020), Deep Learning-based Image Analysis Model for Diagnosing Thyroid Carcinoma in Fine Needle Aspiration Cytology (FNAC) Images, Bioscience Biotechnology Research Communications, Vol. 13, No. 11, pp. 61-65. DOI: http://dx.doi.org/10.21786/bbrc/13.11/14
24.	K.Thilagavathi, K.Kavitha, R.Dhivya Praba, S.V.Arockia Joseph Arina and R.C.Sahana,(2020)Detection of Diseases in Sugarcane Using Image Processing Techniques, Bioscience Biotechnology Research Communications,Special Issue vol 13 No 11 (2020) pp-109-115.DOI:http://dx.doi.org/10.21786/bbrc/13.11/24
25.	R. Indhu and K.Thilagavathi, (2020),Plant Disease Detection System for Smart Agriculture,Bioscience Biotechnology Research Communications,Special Issue vol 13 No 11 , pp-88-93.DOI:http://dx.doi.org/10.21786/bbrc/13.11/20
26.	Arul, H., Shobhana, E., & Karthika, K. (2020). Influence of proton implantation on optical properties of 1, 4 oxazinanium dihydrogenphosphate single crystal. In AIP Conference Proceedings (Vol. 2270, No. 1, p. 100001). AIP Publishing LLC.https://doi.org/10.1063/5.0019891
27.	V.Umamaheshwari(2020),Design and Development of Kenaf Hemp Fiber Extractor,International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET),Volume 9, Issue 6
28.	M.Shasmitha , G.Muthu Santhiya, K.Jasmine . (2020), Information Management System for Smart City Using Java, International Journal of Advanced Research in Electrical,Electronics and Instrumentation Engineering (IJAREEIE)Volume 9, Issue 6
29.	S.Manoj , S.Jaya Aravind , R.Rahul , K.Jasmine. (2020),Smart Charging Shoes Using Piezoelectric Transducer , Information Management System for Smart City Using Java,International Journal of Advanced Research in Electrical,Electronics and Instrumentation Engineering (IJAREEIE) Volume 9, Issue 8
30.	Shanmugam, S., Shanmugam, A. K., Mayilswamy, B., & Muthusamy, E. (2020). Analyses of statistical feature fusion techniques in breast cancer detection. International Journal of Applied Science and Engineering, 17(3), 311-317.
31.	Shivappriya S. N., Karthikeyan S, Prabu S., R. Pérez de Pérez de Prado, Parameshachari. B. D. (2020) A Modified ABC-SQP-Based Combined Approach for the Optimization of a Parallel Hybrid Electric Vehicle, Energies, 13,4529 pp.1-22
32.	Dr S.N.Shivappriya, Mr T Gowrishankar ,Dr.R.Harikumar(2020), Identification of Cardiac Arrhythmia Using ECG Signal Based ANFIS Classifier, Tierärztliche Praxis, Vol 40,
33.	Karthikeyan. R, Karthik.S,. (2020). UWB Planar Monopole Antenna with Multi-Band Notching for High Data Rate Applications. International Journal of Advanced Science and Technology, 29(8s), 3640 - 3649. http://sersc.org/journals/index.php/IJAST/article/view/17522
34.	Allin Joe D, (2020),A Dual Band Slotted Z Shape Antenna for UHF and GPS Applications, TEST Engineering & Management, vol. 83, pp. 13715–13717
35.	Maheswari, K., Marimuthu, R., & Shivapriya, S. N. (2020). State estimation for discrete time-delayed non-fragile switched neural network with parameter uncertainties and sojourn probabilities. In American Institute of Physics Conference Series (Vol. 2270, No. 1, p. 140008).
36.	S N Shivappriya, K. Maheswari and S. Sasikala(2020), Performance Comparison of Pan Tompkins and Wavelet Transform Based Ecg Feature Extraction Techniques Bioscience Biotechnology Research Communications. Special Issue Vol 13 No 11 ,Pp-133-137

37.	Dr.S.N.Shivappriya, Dr Ramalatha Marimuthu (2020),RFID based Public Bus Tracking ,Test Engineeering and Management, May – June 2020 ISSN: 0193-4120 Page No: 13685 - 13689,
38.	S. Sasikala, S. Arun Kumar, S.N. Shivappriya and Priyadharshini T(2020),Towards Improving Skin Cancer Detection Using Transfer Learning ,Bioscience Biotechnology Research Communications. Special Issue Vol 13 No 11 ,Pp-55-60