

Department of Electronics and Communication Engineering
Journal Publications

S.No.	Name of the Faculty	Title of Paper published	Name of the Journal	Volume, Pages & Year
1.	J. Paruvathavardhini B. Sargunam	Stochastic Bat Optimization Model for Secured WSN with Energy-Aware Quantized Indexive Clustering	Journal of Sensors	Vol. 2023, pp. 1 – 23, 2023
2.	Chitra Raju, Sudarmani Rajagopal, Kanagaraj Venusamy, Kannadhasan Suriyan, Manjunathan Alagarsamy	SDSFLF: fault localization framework for optical communication using software digital switching network	International Journal of Reconfigurable and Embedded Systems (IJRES) ISSN: 2089-4864s	Vol. 12, No.1, pp. 113-124, 2023
3.	R. Prasanna G. ThamaraiSelvi, K. Annaram K. Venkatalakshmi, M. Jenath, Banu Priya Prathaban	Multiband Flexible Ultra – Wideband Antenna for Wearable Electronics and Biomedical Applications	International Journal for Multiscale Computational Engineering,	Vol. 21, Issue .5, pp. No. 93-104 2023
4.	Y. P. Makimaa, Sudarmani. R Vanithamani. R	Different Energy Harvesting, Energy Saving Techniques to Improve Battery Energy of Wireless Sensor Networks-A Review	Stochastic Modelling and Applications ISSN: 0972-3641 (UGC CARE GROUP- I Indexed)	Vol. 26, No. 3, pp.72-83, 2022
5.	R. Sudarmani, Kanagaraj Venusamy, SathishSivaraman, Poongodi Jayaraman, Kannadhasan Suriyan, Manjunathan Alagarsamy	Machine-to-Machine Communication Enabled Internet of Things: A Review	International Journal of Reconfigurable and Embedded Systems (IJRES) SCOPUS	Vol. 11, No. 2, pp. 126-134, 2022
6.	R.Prasanna, K.Annaram, K.Venkatalakshmi	Dual Substrate MIMO Antenna System for Cognitive Radio and Automotive Application	Telecommunications and Radio Engineering. Scopus Indexed DOI:10.1615/TelecomRadEng.2022044619	Volume 81, Issue 8, pp. 1-9 2022
7.	K V Archana R Vanithamani	Segmentation of Intima Media Thickness in Intravascular Ultrasound (IVUS) Images or Detection of Atherosclerosis	Biomedical and Pharmacology Journal. Scopus Indexed	Vol.15, No.3, pp. 1539 - 1549, 2022

8.	Rajakumar Govindasamy , Vaishnavi Raja , Sonalika Singh, Mydhili Govindarasu, Sulthana Sabura, Kaliaperumal Rekha , V. Devi Rajeswari, Salman S. Alharthi Manju Vaiyapuri Rajagopal Sudarmani , S. Jesurani, BaskarVenkidasamy, Muthu Thiruvengadam	Green Synthesis and Characterization of Cobalt Oxide Nanoparticles Using Psidium guajava Leaves Extracts and Their Photocatalytic and Biological Activities	Molecules, Scopus Indexed ISSN:1420-3049	Vol.27, No. 5646, pp.1-16, 2022
9.	Dr. R. Sudarmani, Kanagaraj Venusamy, Dr.S. Kannadasan, Y.P.Makimaa, Dr.D.Veera Vanitha , Dr. PoliLokeshwara Reddy	Remote Continuous Health Monitoring System Using Wearable Sensor Networks and IoT	International Journal of Intelligence Systems and Applications in Engineering, ISSN:2147-6799	Vol. 10, Issue 04, pp. 190 – 194. 2022
10.	Y.P.Makimaa, Dr. R. Sudarmani	Genetic Algorithm Based Energy Efficient Cluster Head Selection and Cluster Formation and Establishment for Hierarchical Wireless Sensor Networks	International Journal of Intelligence Systems and Applications in Engineering. ISSN:2147-6799	Vol. 10, Issue 04, pp. 173 – 178. 2022
11.	Subashini.M.J, Gobika.S, Varshini.R Dr. R. Sudarmani	Development of Smart Flood Monitoring and Early Warning System using Weather Forecasting Data and Wireless Sensor Networks-A Review	IEEE 3 rd International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV) ISBN: 978-0-7381-1183-4	pp. 738-742 2021
12.	Mrs.P. Vigneswari Dr.S.Sivakumari	Performance Analysis of Iterative Minsum Message Passing Decoding Algorithm for 5G NR LDPC Codes	IEEE 3 rd International Conference on Intelligent Communication Technologies and Virtual Mobile Networks	pp. 764-768, 2021
13.	R. Prasanna Dr.K. Annaram N R Shanker	Multilayer Flexible Substrate Antenna Sensor for PT Measurement From Blood Plasma to Avoid Turbidity and Reagent Sensitivity Variations Through Regression Modelling	IEEE Sensors Journal	Vol 21, No: 9 pp. 10409-10419, 2021
14.	Mrs.K.V.Archana Dr.R.Vanithamani	Classification of Plaque in Carotid Artery Using	Annals of Romanian Society for Cell Biology ISSN:	Vol. 25, Issue 5, pp.4751 -

		Intravascular Ultrasound Images (IVUS) by Machine Learning Techniques	1583-6258 SCOPUS Indexed	4760,2021
15.	Mrs.R.Chitra	Human Driving Behavior Detection System: A Comprehensive Survey	International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056	Vol.08, Issue: 05 pp. 1546-1550. 2021
16.	Preethma. R Dr. D. Veera Vanitha Madhumitha.K Kanishka.P	Identification of Road Abnormalities using Convolutional Neural Network	Journal of Engineering, Computing and Architecture (UGC CARE group -2 Journal, ISSN: 1934-7197	Vol. 11, Issue 6, 2021
17.	HariPriya.R Mrs.R.Chitra Haridharani S.V Syed K Nameera Sadeeya	Design and Development of Human Driving Behaviour Detection System using Raspberry Pi	Journal of Engineering, Computing & Architecture, ISSN No.:1934-7197 DOI:17.0002.JECA.2021.V11 I6.200786.7032	Vol. 11, Issue 6, pp.244 - 252 2021
18.	Mrs.P.Vigneswari, Dr.S.Sivakumari	Improving the Performance of Layered Iterative Minsum Message Passing Decoding Algorithm for 5G NR LDPC Codes.	Journal of Physics: Conference Series 1917 012017. DOI:10.1088/1742-6596/1917/1/012017 (Scopus indexed)	2021
19.	Subashini MJ Dr.R.Sudarmani Gobika. S, Varshini. R	Design and Development of Smart Flood Alert System using Weather Forecasting Data and Wireless Sensor Networks (WSN)	Journal of Engineering, Computing & Architecture ISSN No.:1934-7197 DOI:17.0002.JECA.2021.V11 I6.200786.7032	Vol.11, Issue 6, pp.254 - 262 2021
20.	K.V.Archana Dr.R.Vanithamani	A Comparison on Speckle Noise Suppression Algorithm For Intravascular Ultrasound (IVUS) Images	Indian Journal of Computer Science and Engineering, ISSN No.: 0976-5166, (SCOPUS INDEXED) DOI : 10.21817/indjce/2021/v12i3/211203130	Vol. 12, No. 3, pp.634 - 640 2021
21.	Aanchal Kumari V R Rubatharshini M Thirukarthiga K.V.Archana (AP/ECE)	Data Transmission Through Visible Light Communication (VLC) Technology	International Advanced Research Journal in Science, Engineering and Technology, ISSN No.: 2393-8021, DOI: 10.17148/IARJSET.2021.8671	Vol. 8, Issue 6, pp.414 – 418 2021
22.	S. Tamizhthendral, Dr.R. Sudarmani	Survey on Low-Cost Smart Farming using IoT	Journal of Engineering, Computing & Architecture, ISSN No.:1934-7197. (UGC CARE Approved group -2 Journal) DOI:17.0002.JECA.2021.V11 I7.200786.7201	Vol.11, Issue 7, pp. 1-5, 2021

23.	Miruna S Dr.B.Sargunam Indumathi K Nandhini P	Smart Navigation Stick: An Electronic Approach to Assist Visually Impaired	Journal of Xidian University, ISSN No:1001-2400 DOI: org/10.37896/jxu15.8/024	Vol.15, Issue 8, pp. 246 – 254 2021
24.	Mrs.S.Alagammai, Mrs. R.Chitra , Saradhambal M	Review on Anaerobic Digestion of Lignocellulosic Waste	Published in International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056,p-ISSN: 2395-0072	Vol. 08, Issue: 11 2021
25.	Prasanna R Dr.K. Annaram	Application trends of UWB Technology in diversified areas	Journal of Critical Reviews SCOPUS ISSN:2394- 5125 DOI: 10.3838/jcr.07.7.45	Vol. 7, No17, pp.318 -323, 2020
26.	Amirtha. B, Rithanya. R, Shofika. S. S, Suvetha.R Mrs. P. G. Padma Gowri	On Road Automatic E-Vehicle Wireless Charging System Using Solar Energy	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering ISSN: 2321- 5526	Vol8, Issue 4, pp. 70-77 2020
27.	Ashini, Kruthiga.R, Tharani.A.M, Mrs. P.G. Padma Gowri	Implementation of renewable energy systems using domestic hydro power plants	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering ISSN: 2321- 2004 online	Vol 8, Issue 4, pp. 54-62 2020
28.	Divyadharshini.R, Jamunamala.S. S, Keerthana.S, Logadharshini.D Mrs. P.G. Padma Gowri	Smart power System with integration of biomass, wind and solar power sources	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering ISSN: 2321- 2004 online	Vol 8, Issue 4, pp. 78 - 86 2020
29.	Mrs.N. Kirthika Dr.B. Sargunam	Detecting Multi-Class Artefact`s in Endoscopic images using YOLOv3	International Journal of Recent Technology and Engineering ISSN: 2277 - 3878	Vol. 9, Issue1, pp.2578- 2583, 2020
30.	Dr.R. Sudarmani PoornaShree.T, Rohini.C.M, Yogapriya.M	Surveillance of Hazardous Gases in Sewage Plant using Intelligent Electronic Nose and IoT	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering ISSN: 2321- 2004 online	Vol. 8, Issue 5, pp.68-71, 2020
31.	Amrithha.D Apsara.G Ramya.R Mrs. R. Chitra	Spy Robot Surveillance System Using IoT	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering	Vol. 8, Issue 6 pp.128-133, 2020

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32.	S. Chandhini, K.Bharathi Nandha, M. Pooja Dharshini Dr.D.Veera Vanitha	Automatic Speed Breaker Flattening System for Ambulance	International Journal of Engineering Research and Management ISSN: 2349- 2058	Vol.07, Issue 05, pp. 58-60, 2020
33.	Madhumitha V SakthiSuramanjari U SowmiyaS.L. Mrs. P. Vigneswari	Student Tracker Using Android Application	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering ISSN: 2321- 2004 online	Vol. 8, Issue 5, pp. 85-90, 2020
34.	Elakkiya.E Shruthi.T Mrs.Mahalakshmi Malini.G	IoT based Home Automation System Using Voice Recognition	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering ISSN: 2321- 2004 online	Vol. 8, Issue 6, pp.174-180, 2020
35.	Raveenadevi. V Indhumathy.K Mounika.M Ms.K.R. Priyanga	Vehicle Accident Detection and Driver Surveillance	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering E-ISSN: 2278 –8875	Vol. 9, Issue 6, pp.1438-1442, 2020
36.	Meenakshi Subramanian, Akalya.A, Deshika.P Dr.B Sargunam	Fifth Gen Control for Industrial Wet Grinders	International Journal of Engineering Research & Technology ISSN: 2278 - 0181	Vol. 9 Issue 08, pp. 585-589, 2020
37.	Mrs.M. Aghalya	Poem on Nature	Tumbe International e- Magazine, powered by Magazine and Journal Committee, Government First Grade College (GFGC), Tumkur, Karnataka ISSN: 2581-7728	Vol.03, Issue 01, pp.33-33, 2020
38.	Harishmitha R, Keerthana J, Savitha K, Mrs. Archana K V	Automated Self Navigated Garbage Bin	GIS Science Journal ISSN: 1869-9391	Vol 7, Issue 11, pp. 451 – 455, 2020
39.	Suvetha V Tharangini P Yazhini J Mrs.K.V. Archana	Brain Tumor Detection Using Multi - Atlas Segmentation Technique	GIS Science Journal ISSN: 1869-9391	Vol 7, Issue 11, pp.199 – 208, 2020
40.	Y. P. Makimaa, Dr. R. Sudarmani	Survey on Energy Optimization Techniques for Clustering and Routing in Applications of Wireless Sensor Networks	Solid State Technology ISSN: 0038- 111X (online)	Vol.63, Issue:6, pp. 21453-21462, 2020