

K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE – 637 215 (Autonomous)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Month & Year of Submission: 09 & 2023

Sl. No	Title of the Paper	Name of the Author/s	Name of Journal Impact factor	Vol No, Issue No & pp	Year and Month of Publication	Category Q1/Q2/Q 3/Q4	UGC Care list/Scopus/ Web of Science/ Other, mention
2022-23							
1.	Micro Calcification Detection in Mammogram Images Using Contiguous Convolutional Neural Network Algorithm.	Dr.P. S.Periasamy P.Gomathi C.Muniraj	Computer Systems Science & Engineering. Impact factor: 2.7	Vol No:45, Issue No 2 & PP1888	2022	Q1	SCI Scopus
2.	Environmental Impact of High Voltage Insulator quality Analysis Using Improved Deep Learning approach.	Dr.P. S.Periasamy P.Govindaraj C.Muniraj	Journal of Environmental Protection and Ecology. Impact factor:0.577	Vol No:23, Issue No 2&639 - 648	2022	Q4	SCI Scopus
3.	Joint power allocation and channel assignment for device-to-device communication using the Hungarian model and	Dr.P. S.Periasamy A.Yogaantham P.Anitha	Wileyonlinelibrary.com/ journal/dac. Impact factor:5.609	Vol No:36, Issue No 7&PP.e54 25	2022	-	Scopus

	enhanced hybrid Red Fox-Harris Hawks Optimization.						
4.	Fault Detection for Photovoltaic Panels in Solar Power Plants by Using Linear Iterative Fault Diagnosis (LIFD) Technique Based on Thermal Imaging System.	Dr.P. S.Periasamy V.Jamuna C.Muniraj	Journal of Electrical Engineering & Technology Published. Impact factor:1.528	Vol No:18&P P.3091-3103	2023	Q4	SCI Scopus
5.	Digital infrared thermal imaging system based breast cancer diagnosis using 4D U-Net segmentation	Dr.P. S.Periasamy P.Gomathi C.Muniraj	Biomedical Signal Processing and Control Impact factor:5.1	Vol No: 85&PP.10 4792	2023	Q2	SCI Scopus
6.	Adaptive Sub-Threshold Voltage Level Control for Voltage Deviate-Domino Circuits	Dr.C. Gowrishankar C.Arunprasath	Intelligent Automation & Soft Computing Impact factor:3.04	Vol. 35 Issue 2, pp.1767-1781	2023	Q2	SCI Scopus
7.	An Advancement of Humans Activities Detection Based on Wireless Sensors and Machine Learning.	Dr. S. Karthikeyan V.Sujatha Ramaprabha.K.P	Advanced Engineering Science. Impact factor:0.197	Vol No:54,Issue No 2&5855	2022	-	Scopus
8.	EB Energy Meter Monitoring System Using IOT	Dr. S. Karthikeyan S.Kiran T.Rathi	International Journal of New Innovations in Engineering and Technology Impact factor:0.672	Vol No:22&pp.1 173	2023	-	other

9.	Human Life Safety System with Electrical Information using GSM & GPS	Dr. S. Karthikeyan T.SAWATH Jawahar Dhanush A	International Journal of New Innovations in Engineering and Technology Impact factor:0.672	Vol No:22, Issue No 1&pp.849	2023	-	other
10.	Adaptive Multicale Transformation Run-Length Code-Based Test Data Compression in Benchmark Circuits.	Dr. S. Karthikeyan P.Thilagavathi	Intelligent Automation & Soft Computing. Impact factor:3.04	pp.1-14	2022	Q2	SCI Scopus
11.	Deep graph neural network optimized with fertile field algorithm based detection model for uplink multiuser massive multiple input and multiple output system.	Dr. R Eswaramoorthi M.Leeban Moses Basanti Ghanti	Transactions on Emerging Telecommunications Technologies. Impact factor:3.31	Vol No:2233,Iss ue No:12& e4614	2022	Q2	SCI Scopus
12.	Land Slide Monitoring System Using IOT	Dr. R Eswaramoorthi Ilavarasan K K.Arunkumar	International Journal of New Innovations in Engineering and Technology Impact factor:0.672	Vol No:22,, Issue No:1&pp81 8	2023	-	other
13.	Areal Time Bus Monitoring System using Mobile Location	Sathishkumar T M R.Magibalan A.Mohanaprasath	International Journal of New Innovations in Engineering and Technology	Vol No:22,, Issue No:1 &pp.624	2023	-	other

			Impact factor:0.672				
14.	Evolutionary gravitational neocognitron neural network based block chain technology for a secured dynamic optimal routing in wireless sensor networks.	Dr.R.Satheeskumar B.Prakash S.Velliangiri	Journal of Experimental & Theoretical Artificial Intelligence. Impact factor:2.296	Vol No: Issue No:35, 6,&pp.1- 17	2022	Q3	SCI Scopus
15.	Night Vision Security Patrolling Robot with Sound Sensing	Dr.R.Satheeskumar S.Jagadeep A.Shalini	International Journal of New Innovations in Engineering and Technology Impact factor:0.672	Vol No:22,Iss ue No:1&pp. 885	2023	-	other
16.	Design of All Pass Make over Based Capricious Digital Filter using Eminent Speed Dual Carry Select Adder and Truncation and Rounding Approximate Multiplier for Image Processing Application.	Dr.P.Mahendran	Concurrency and computation practice and experience. Impact factor:1.831	Vol No:35, Issue No:6&pp.8- 16	2023	-	Scopus
17.	Automatic Electrical Appliance Fault Detection System with Remote Monitoring Through IoT	Dr.P.Mahendran T.Aravinthan Diwahar S	International Journal of New Innovations in Engineering and Technology Impact factor:0.672	Vol No:22,Issue No:1&pp.86 0	2023	-	other

18.	Design of Broadband Microstrip Patch Antenna For 5g Applications	Mr.R. Veeramani	International Journal of Current Engineering and Scientific Research	Vol No:10 &pp.74	2023	-	other
19.	Railway Track Defect Monitoring Based on IoT	Mr.K.Karuppanasamy Ashokkumar K Dinesh S	International Journal of New Innovations in Engineering and Technology Impact factor:0.672	Vol No:22 &pp.553	2023	-	other
20.	Evolutionary gravitationalneocognitron neural network based differential spatial modulation scheme for uplink multiple user huge MIMO systems	Dr.R.Poornima Tapas Babu BR S.Sivakumar	Knowledge based systems Impact factor:8.139	Vol No:258, pp.109-119	2022	Q1	SCI Scopus
21.	Water Quality Monitoring System Based On IOT	Mr. M.Jothimani T.Dineshkumar T Gotham	International Journal of New Innovations in Engineering and Technology Impact factor:0.672	Vol No:22 ,Issue No:1&pp. 768	2023	-	other
22.	Automated intimation to ambulance for emergency medical service and traffic clearance using IOT	Dr.K.P.Uvarajan M Kavim M. Sakthisree	International Journal of New Innovations in Engineering and Technology Impact factor:0.672	Vol No:22 , Issue No:1&pp. 768	2023	-	other

23.	Student Management System and SGPA,CGPA Calculator	Mrs.P.Usha E.Subashni Sushma S S.Pradeepa	International Journal of New Innovation in Engineering and Technology Impact factor:0.672	Vol No:22 ,, Issue No:1 &pp.760	2023	-	other
24.	Navigation System for Visually Impaired People by Using Raspberry Pi	Gowthami D J Indhumathi M Kalidas S.Kavinmuthu	International Journal of New Innovation in Engineering and Technology Impact factor:0.672	Vol No:22 , Issue No:1&pp. 826	2023	-	other
25.	IoT based Smart Greenhouse Framework and Control Strategies for Sustainable Agriculture	Krishnakumar S S.D.Logesh S.M.Thilakbalaje J Kamaraj N Sree Harish	International Journal of New Innovations in Engineering and Technology Impact factor:0.672	Vol No:22 , Issue No:1&pp. 806	2023	-	other
2021-22							
26.	Computer Aided Coronary Atherosclerosis Plaque Detection and Classification	Dr.P.S.Periasamy S.Devanayagi	Intelligent Automation & Soft Computing. Impact factor: 3.401	Vol No:34, Issue No 1 & pp.639	2022	Q2	Wos scopus
27.	A Trusted Distributed Routing Scheme for Wireless Sensor Networks Using Block Chain and Jelly Fish Search Optimizer Based Deep Generative Adversarial	Dr.P.S.Periasamy L.Raja	Wireless Personal Communications Impact factor: 2.017	Vol. 126 Issue 2, pp1101-1128	2022	Q3	scopus

	Neural Network (Deep-GANN) Technique						
28.	Solar Powered Floating Water TarshCollector	Dr.R.Poornima Dr.T.M.Sathishku mar Mr.R.Veeramani	International Journal of Innovative Research in Technology. Impact factor:-	Vol. 8, Issue 8 &pp.162	2022		other
2020-21							
29.	Design of SWIPT and power transfer scheme for SR-DCSK communication systems	Dr.S.Karthikeyan S.Arunkumar	International Journal for Scientific Research & Development. Impact factor: 4.396	Vol. 9, Issue 3 & pp.31	2021	-	other
30.	Performance Analysis of Wireless Sensor Networks Based on Trust Mechanism	Dr.S.Karthikeyan V.Subiksha	International Journal for Research in Applied Science & Engineering Technology (IJRASET). Impact factor: 7.538	Vol.9, Issue 12&pp. 243	2021	-	other
31.	Efficient Adaptable ant Colony Optimization Algorithm in WSN for Network Security	Dr.S.Karthikeyan	International Artificial Intelligence, 5G Communications and Network Technologies. Impact factor:	-	2021	-	other
2019-20							
32.	Contourlet transform and adaptive neuro-fuzzy strategy-based color image watermarking	Dr.P.S.Periasamy M.Senthilkumar	Measurement and Control, SAGE Publications. Impact factor: 2.24	Vol.953, Issue 3,pp.4	2020	-	WOS, Scopus

33.	Breast thermography based unsupervised anisotropic-feature transformation method for automatic breast cancer detection	Dr.P.S.Periasamy P.Gomathi C.Muniraj	Microprocessors and Microsystems, Elsevier. Impact factor: 3.503	Vol.77, pp.1-11	2020	Q2	WOS, Scopus
34.	LoRa Based Industrial Parameter Monitoring System	Dr.P.S.Periasamy M.Sundhar balaji P.Palanisamy M.Gobinathan	International Journal of Advanced Science and Engineering Research Impact factor:-	Vol.5, Issue 1.	2020	-	other
35.	Influence of image pixels and image contrasts in computing 2D geometrical properties using MATLAB	P. Periasamy; T. Prabakaran; V. Mugendiran; M. Varsha Shree	International Journal of Advanced Science and Engineering Research. Impact factor:--	pp.2283	2020	-	other
36.	Analyse the performance of hybrid full adder using XOR and XNOR gates	Mr.P.Sivasankar Rajamani P.Priyanka V.Santhosh	International journal of advanced science and engineering research. Impact factor:-	PP .266	2020	-	other
37.	Reliability assessment of ball grid array joints under combined application of thermal and power cycling solder geometry effect.	Dr.T.M.Sathishku mar Oleg R.kuzichkin Ahmed faisal siddqi	Soldering surface mount technology. Impact factor: 1.542	Vol. 33 No. 1, pp. 27-33	2020	-	Scopus
38.	smart security intrusion detection using embedded system	Dr.RSatheeskumar A.V.Dineshkumar S.M.Dinesh	International journal of advanced science and engineering research.	PP 164	2020	-	other

		E.Saranya	Impact factor:-				
39.	Smart Attendance Systems using GSM Module	Dr.P.Mahendran	International journal of advanced science and engineering research. Impact factor:-	PP 135	2020	-	other
40.	Design of e-bike using self balancing technique	Mr.R.Veeramani Mr.J.Rameshkumar R.Ranjith P.Shopana	International journal of advanced science and engineering research. Impact factor:-	PP 204	2020	-	other
41.	Hand motion controlled robotic ARM	Dr.R.Poornima P.Pradeep P.Nishanth	International journal of new innovation in engineering and technology. Impact factor:-	PP 213	2020	-	other
42.	Smart irrigation system using raspberry pi	Dr.R.Poornima M.Santhoshkumar S.Sanjaykumar	International journal of advanced science and engineering research. Impact factor:-	PP 160	2020	-	other
43.	Automatic parking of vehicle obstacle detection using robotics	Mr.R.Mahendran B.Arunkumar S.Dhandapani P.Manjupriya	International journal of advanced science and engineering research. Impact factor:-	PP 227	2020	-	other
44.	An integrated trust assisted energy efficient greedy data aggregation for wireless sensor networks.	Mr.K.P.Uvarajan C.Gowrishankar	Wireless personal communications. Impact factor: 2.017	Vol.114, p p.813	2020	Q3	WOS, Scopus

2018-19

45.	Dengue Fever Prediction using Associative Classification Approach Based on Climatically Changes.	Dr.P.S.Periasamy	Caribbean Journal of Science, University of Puerto Rico. Impact factor: 0.896	Vol.53, Issue 2 & 608	2019	Q4	other
46.	An Optimized Neuro Fuzzy System for Classifying and Predicting the Human Heart Disease.	Dr.P.S.Periasamy	Caribbean Journal of Science, University of Puerto Rico. Impact factor: 0.896	Vol.53, Issue 2 & 1094	2019	Q4	other
47.	Multi QoS Constrained data sharing using hybridized pareto-glowworm SWARM optimization.	Dr.P.S.Periasamy Vijay Kumar Burugari	Cluster Computing. Impact factor: 2.303	22, Vol.4 & 9727-9735	2019	Q2	WOS scopus
48.	Torque ripple minimization of brushless DC motor using intelligent control technique.	Dr.P.S.Periasamy M Vijayakumar	Journal of Electrical Engineering. Impact factor:-	Vol.19, Issue 4 & 139	2019	-	other
49.	Design and Performance Analysis of Single Bit Full Adder Circuit Using Hybrid Technique.	Dr.P.S.Periasamy P mahendran	Journal of Electrical Engineering. Impact factor:-	Vol.19, Issue 4 & 11	2019	-	scopus
50.	Internet of things based real time water monitoring system.	Dr.P.S.Periasamy	International Journal of Recent Technology and Engineering.- Impact factor:-	Vol.8, Issue 2 & 8	2019	-	scopus
51.	Efficient Low Energy Consumption of Embedded System By Postponement DPM	Dr.P.S.Periasamy A Velliangiri	Journal of Electrical Engineering. Impact factor:-	Vol.19, Issue 4 & 1368-1372	2019	-	scopus

	Combined With Compression Aware DCR.						
52.	Adapted Semi Carry Save Modular Montgomery Multiplier for High-Performance Elliptic Curve Cryptographic Processor.	Dr.P.S.Periasamy S Senthilkumar	Applied Mathematics & Information Sciences. Impact factor: 0.258	Vol.13, Issue 5 & 13	2019		scopus
53.	Recognition of Tamil handwritten character using modified neural network with aid of elephant herding optimization.	Dr.P.S.Periasamy S Kowsalya	Multimedia Tools and Applications. Impact factor: 2.577	Vol.78, Issue 17 & 769	2019	Q2	WOS scopus
54.	A survey on dynamic source routing in mobile ad hoc network.	Dr.S.Karthikeyan	Asian journal of applied Science and Technology. Impact factor:-	Vol.3, Issue 2 PP 122	2019	-	other
55.	Multi input modified DC-DC sepic converter based grid connected system using fuzzy MPPT algorithm.	Dr.S.Karthikeyan	International journal of modern trends in Engineering and Research. Impact factor:-	PP 5	2019	-	other
56.	Improving fault coverage and reduce the number of test data in test cube by using dynamic LFSR Reseedings.	Mrs.P.Thilagavathi	International journal of intellectual advancements and research in engineering computations. Impact factor:-	Vol.7, Issue 1&1531	2019	-	other

57.	Design of energy efficient IOT devices finfet based secure adiabatic logic.	Mr.T.M.Sathish kumar	International journal of intellectual advancements and research in engineering computations. Impact factor:-	Vol.7, Issue 1& 1511	2019	-	other
58.	Effective breast cancer detection for medical diagnosis system using fuzzy logical model.	Mr.A.Vellingiri	International journal of intellectual advancements and research in engineering computations. Impact factor:-	Vol.7, Issue 1& 1344	2019	-	other
2017-18							
59.	Quality of Service Improvement in Wireless Mesh Networks Using Time Variant Traffic Approximation Technique	R Satheeskumar, PS Periasamy	Journal of Computational and Theoretical Nanoscience. Impact factor: 0.173	Vol.14 & pp 5226-5232	2017	-	Scopus
60.	Secured Routing Authentication with Node Isolation in Mobile Adhoc Network	L Raja, PS Periasamy	Journal of Computational and Theoretical Nanoscience. Impact factor: 0.173	Vol.14 & pp 4563-4568	2017	-	Scopus
61.	Multi QoS constrained data sharing using hybridized pareto-glowworm swarm optimization	Vijay Kumar Burugari, PS Periasamy	Cluster Computing. Impact factor: 2.303		2017	Q3	Scopus Web of Science
62.	Energy efficient routing algorithm over cross layer design and	P Anitha, PS Periasamy	International Journal	PP. 136- 147	2017	-	Scopus

	enrichment of security in ZigBee network		of Information and Communication Technology. Impact factor: 0.337				
63.	Improved Artificial Bee Colony Optimization Approach in UWBOFDM for Frequency Offset Estimation	R Eswaramoorthy G Singaravel	Journal Testing and Evaluation. Impact factor: 1.333	Vol.46 317-330	2018	Q1	Scopus Web of Science
64.	Convex Optimized Lagrange Multiplier Based Algebraic Congestion Likelihood for Improved TCP Performance in MANET	P.Sivakumar A.MahabubBasha	Journal of Computational and Theoretical Nanoscience. Impact factor: 0.173	Vol.15 PP 317-330	2018	-	Scopus
65.	Constant modulus algorithm for PAPR reduction using PTS and clipping hybrid scheme in MIMO OFDM	A.Jayamathi	International of Journal of intellectual Advancements and Research in Engineering Computations. Impact factor:-		2018		other
66.	Energy Efficient All-Digital Phase Locked Loop Architecture Design on High Resolution Fast Clocking Time to Digital Converter(TDC) Using Model Prescient Control(MPC) Technique	T M Sathishkumar, PS Periasamy	Wireless Personal Communications. Impact factor: 2.017	PP 1-17	2018	Q3	Scopus Web of Science

67.	Underground Cable Fault Detection Using IOT	T M Sathishkumar,	Asian Journal of Applied Science and Technology. Impact factor:-	Vo 2 Issue No 2 PP 737-746	2018	-	other
68.	Gabor wavelet multi-linear discriminant analysis for data extraction in ECG signals	S.Velmurugan A.MahabubBasha	Cluster Computing. Impact factor:	No. 1, 63-71	2018	Q3	Scopus Web of Science
69.	Efficient Detection of Signal in MIMO System Using Modified Memetic Algorithm with Higher Order QAM Constellations	R.Poornima A.MahabubBasha	Applied Mathematics and Information Sciences. Impact factor: 0.258	12	2018	-	Scopus
70.	Distance based cluster head selection approach for wireless sensor networks	J.Gnanambigai	Journal on Science Engineering and Technology. Impact factor:-	Vo 1,no:5, 74-80	2018	-	other
71.	A Low Complexity High Performance MIMO Detection using Memetic Algorithm	R.Poornima A.MahabubBasha	International Journal of Advanced Science and Engineering Research. Impact factor: 0.251	Vo 3,no:1 1-7	2018	-	other
72.	Auto Assist Physio Arm	K.Kiruba	Asian Journal of Applied Science and Technology. Impact factor:-	V 2, no:2 PP 537-542	2018	-	other