



K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE - 637215

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

JOURNAL PUBLICATION FOR THE ACADEMIC YEAR 2023 – 2024

S. No.	Name of the Author(s)	Title of the paper	Name of the Journal	SCI Scopus	Volume/ Issue No.	DOIs	Page No.	Year of Publication
1.	Dr.P.S.Periasamy Ramasamy Periasamy Nivetha, Anitha Periasamy	Binary fire hawks optimizer with deep learning driven noninvasive diabetes detection and classification	Bratislava Medical Journal	SCI	125/2	DOI: 10.4149/BL L_2024_020	-	2023
2.	Dr.P.Mahendran M.S.Kavitha R.Radhika C.Kotteeswaran	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	Concurrency and Computation Practice and Experience	SCI	35/6	https://doi.org/10.1002/cpe.7575	1	2023
3.	Dr.R.Satheeskumar Bonam Raghavaiah S. Geerthik T. Senthil Kumar	An efficient VLSI architecture for fast motion estimation by hybridizing parallel spiral and adaptive threshold star diamond search algorithm-based search algorithm in HEVC	Concurrency and Computation Practice and Experience	SCI	36/1	https://doi.org/10.1002/cpe.7873	e7873	2023

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4.	Dr.S.Karthikeyan K.Pavithra	Secure Confidential Communication Using Rectatron Technology	Journal of Emerging Technology and Innovative Research	others	11/1	-	515	2024
5.	Dr.C.Gowri Shankar P. Ravi Kumar	Optimizing power converters for enhanced electric vehicle propulsion: A novel research methodology	The Scientific Temper	SCI Scopus	15/4	Doi: 10.58414/S CIENTIFIC TEMPER.20 24.15.4.23	3150	2024
6.	Dr.R.Satheeskumar B. Prakash S. Velliangiri Francis H Shajin	Evolutionary gravitational neocognitron neural network-based block chain technology for a secured dynamic optimal routing in wireless sensor networks	Journal of Experimental & Theoretical Artificial Intelligence	SCI Scopus	36/ 3	doi.org/10. 1080/09528 13X.2022.21 53274	435	2024
7.	Dr.Poornima Ramasamy, EatedalAlabdulkreem, Nuha Alruwais, & V. P. Gladis Pushparathi	An attention-based neural network for lung cancer classification and gradient in MRI	Journal of Automatika	SCI Scopus	65/4	doi.org/10. 1080/00051 144.2024.23 76776	1379	2024
8.	Dr.R.Satheeskumar M. Sudha A. B. Madhan E. Geetha	Synthesis of zinc oxide thin films by spray pyrolysis technique	Journal of Ovonic Research	Scopus	20/2	-	267	2024
9.	Mrs.S.Sridevi A.RajivKannan	Development of 3DTDUnet++ with novel function and multi-scale dilated-based deep learning model for lung cancer diagnosis using CT images	Biomedical Signal Processing and Control	SCI Scopus	94	doi.org/10. 1016/j.bspc. 2024.106243	1	2024

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10.	Dr.S. Karthikeyan V.Samuthira Pandi G.Uthayakuma, S.Aishwarya S. Kamatchi N. Gopinath	Revolutionizing connectivity: Unleashing the power of 5G wireless networks enhanced by artificial intelligence for a smarter future	Results in Engineering	SCI Scopus	22	doi.org/10.1016/j.rinen.2024.102334	1023 34	2024
11.	Dr.R.Eswaramoorthi R.Shankar G.Karthick S.Kavitha	Frequency Offset Estimation for UWB-OFDM System using Weight and Exhaustiveness based Monarch Butterfly Optimization Approach	Journal of Electrical Systems	Scopus	20/6	-	2671	2024
12.	Dr.T.M Sathish Kumar T.Suganya P.Mangaiyarkarasi G.Thirugnanam	A hybrid approach with MPPT controller for weed cutting based on solar powered lawnmower with minimal intervention of human involvement adopting IoT technology	Analog Integrated Circuits and Signal Processing	Scopus	119/2	-	249	2024
13.	Dr.A.Velliangiri D.Sivaprakasam T Sivakumar V Nandini	A system for implementing Homomorphic Encryption in Secure Computation for Cloud Computing Environment	International Journal of Intelligent Systems and Applications in Engineering	Scopus	12/ 21	-	-	2024
14.	Dr.T.M.Sathish Kumar D.Mathiyazhagan G.Sathish Kumar S.Jaichandru P.Kamaleshkanna	Vehicle-to-Vehicle Data Communication Through Light Fidelity(Li-Fi) Technology	International Journal of Creative Research Thoughts	-	12/4	-	-	2024

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15.	Mrs.P.Usha Dr.B.Gopinath Dr.R.Sivakumar Dr.V.Dhinesh	Exploring the Transformative Influence of Digital Controllers on Power Electronics	Journal of Electrical Systems		20/3		7119	2024
16.	Dr.R.Eswaramoorthi M. Prasad R.Senthil Rama V. Uma Maheswari	Optimized wireless communication for 6G signal processing using memory augmented deep unfolding network	International Journal of Communication Systems	SCI Scopus	37/ 11	doi.org/10.1002/dac.5796	e5796	2024