

**K.S.R. COLLEGE OF ENGINEERING (Autonomous),  
TIRUCHENGODE – 637 215  
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING  
PUBLICATION LIST YEAR 2022 (22-23)**

**List of Faculty Publications:**

S. No	Name of the Author(s)	Title of the paper	Name the Journal	SCI Scopus	JCR List	Volume/ Issue No	DOIs	Page No.	Year of Publication
1.	Dr.P. S.Periasamy	Micro Calcification Detection in Mammogram Images Using Contiguous Convolutional Neural Network Algorithm.	Computer Systems Science & Engineering.	SCI Scopus	Q1	45/2	10.32604/csse.2023.028808	1888	2022
2.		Environmental Impact of High Voltage Insulator quality Analysis Using Improved Deep Learning approach.	Journal of Environmental Protection and Ecology.	SCI Scopus	Q4	23(2)		639 - 648	2022
3.		Joint power allocation and channel assignment for device-to-device communication using the Hungarian model and enhanced hybrid Red Fox-Harris Hawks Optimization.	Wileyonlinelibrary.com/journal/dac.	Scopus		36/7	10.1002/dac.5425	e5425	2022
4.		Fault Detection for Photovoltaic Panels in Solar Power Plants by Using Linear Iterative Fault Diagnosis (LIFD) Technique Based on Thermal Imaging System.	Journal of Electrical Engineering & Technology Published.	SCI Scopus	Q4	18	10.1007/s42835-023-01381-7	3091-3103	2023
5.		Digital infrared thermal imaging system based breast cancer diagnosis using 4D U-Net segmentation	Biomedical Signal Processing and Control	SCI Scopus	Q2		10.1016/j.bspc.2023.104792		2023
6.	Dr.C. Gowrishankar	Adaptive Sub-Threshold Voltage Level Control for Voltage Deviate-Domino Circuits	Intelligent Automation & Soft Computing	SCI Scopus	Q2		10.32604/iasc.2023.028758	1768	2023
7.	Dr. S. Karthikeyan	An Advancement of Humans Activities Detection Based on Wireless Sensors and Machine Learning.	Advanced Engineering Science.	Scopus		54/2		5855	2022

8.		EB Energy Meter Monitoring System Using IOT	International Journal of New Innovations in Engineering and Technology	-	-	22	ISSN:2319-6319	1173	2023
9.		Human Life Safety System with Electrical Information using GSM & GPS	International Journal of New Innovations in Engineering and Technology	-	-	22/ 1	ISSN:2319-6319	849	2023
10.		Adaptive Multicale Transformation Run-Length Code-Based Test Data Compression in Benchmark Circuits.	Intelligent Automation & Soft Computing.	SCI Scopus	Q2		DOI:10.32604/iasc.2022.026651	1-14	2022
11.	Dr. R Eswaramoorthi	Deep graph neural network optimized with fertile field algorithm based detection model for uplink multiuser massive multiple input and multiple output system.	Transactions on Emerging Telecommunications Technologies.	SCI Scopus	Q2	33/12		e4614	2022
12.		Land Slide Monitoring System Using IOT	International Journal of New Innovations in Engineering and Technology	-	-	22/1	ISSN:2319-6319	818	2023
13.	Mr.P.Sivasankar Rajamani	Driver drowsiness detection and control system using embedded system	International Journal of New Innovations in Engineering and Technology	-	-	22/1	ISSN:2319-6319	818	2023
14.	Sathishkumar T M	Areal Time Bus Monitoring System using Mobile Location	International Journal of New Innovations in Engineering and Technology	-	-	22/1	ISSN:2319-6319	624	2023
15.		Huffman coding algorithm based adaptive noise cancellation	International research journal of engineering and technology	-	-	10/6	Issn:2395-0072	252	2023

14.	Mrs.P. Thilagavathi	Adaptive Multiscale Transformation Run-Length Code-Based Test Data Compression in Benchmark Circuits.	Intelligent Automation & Soft Computing.	SCI Scopus	Q2		DOI:10.32604/iasc.2022.026651	1-14	2022
		Automatic bus arrival announcement system using RF transmitter and receiver	International Journal of New Innovations in Engineering and Technology	-	-	22/1	ISSN: 2319-6319	624	2023
15	Dr.R.Satheeskumar	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	Q3	35/6,	doi.org/10.1080/0952813X.2022.2153274	1-17	2022
16		Night Vision Security Patrolling Robot with Sound Sensing	International Journal of New Innovations in Engineering and Technology	-		22/1	ISSN: 2319-6319	885	2023
17	Dr.P.Mahendran	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.	Scopus		35/6	<a href="https://onlinelibrary.wiley.com/doi/10.1002/cpe.7575">https://onlinelibrary.wiley.com/doi/10.1002/cpe.7575</a>	8-16	2023
18		Automatic Electrical Appliance Fault Detection System with Remote Monitoring Through IoT	International Journal of New Innovations in Engineering and Technology	-		22/1		860	2023

19	Mr.R. Veeramani	Design of Broadband Microstrip Patch Antenna For 5g Applications	International Journal of Current Engineering and Scientific Research	-	-	10	ISSN:2 393- 8374	74	2023
20	Mr.J. Rameshkumar	Design of Broadband Microstrip Patch Antenna For 5g Applications	International Journal of Current Engineering and Scientific Research	-	-	10 /74	ISSN:2 393- 8374	74	2023
21	Mr.K.Karuppanasamy	Railway Track Defect Monitoring Based on IoT	International Journal of New Innovations in Engineering and Technology	-	-	22	ISSN:2 319- 6319	553	2023
22	Dr.R.Poornima	Evolutionary gravitational neocognitron neural network based differential spatial modulation scheme for uplink multiple user huge MIMO systems	Knowledge based systems	SCI Scopus	Q1				2022
23	Mr. M.Jothimani	Water Quality Monitoring System Based On IOT	International Journal of New Innovations in Engineering and Technology		-	22 / 1	ISSN:2 319- 6319	768	2023
24	Dr.K.P.Uvarajan	Automated intimation to ambulance for emergency medical service and traffic clearance using IOT	International Journal of New Innovations in Engineering and Technology		-	22 / 1	ISSN:2 319- 6319	768	2023
25	Mrs.P.Usha	Student Management System and SGPA,CGPA Calculator	International Journal of New Innovation in Engineering and Technology		-	22 /1	ISSN:2 316- 6319	760	2023
26	Gowthami D	Navigation System for Visually Impaired People by Using Raspberry Pi	International Journal of New Innovation in Engineering and Technology			22 /1	ISSN:2 316- 6319	826	2023

27	Krishnakumar S	IoT based Smart Greenhouse Framework and Control Strategies for Sustainable Agriculture	International Journal of New Innovations in Engineering and Technology			22 /1	ISSN:2319-6319	806	2023
----	----------------	---	--	--	--	-------	----------------	-----	------