



K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE - 637 215

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Department of Electronics and Communication Engineering

(Academic Year : 2023-2024)

JOURNAL PUBLICATIONS

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 firehawks optimizer with deep learning driven noninvasive diabetes detection and classification	Bratislava Medical Journal	SCI	125/2	DOI: 10.4149 /BLL_2 024_020	117-124	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 BonamRaghavaiah 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/scientifictemper.2024.15.4.23	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/10.1080/0952813X.2022.2153274	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/10.1080/00051144.2024.2376776	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

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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
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.g.2024.102334	102334	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	10.52783/jes.3277	2671	2024
12.	Dr.T.M Sathish Kumar T.Suganya P.MangaiyarkarasiG. 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	10.1007/s10470-024-02263-2	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	-	4155-4158	2024

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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	-	91-97	2024
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

CONFERENCE DETAILS:

S. No.	Name of the Author(s)	Title of the Paper	Name of the Conference	Conducted by	Date of Conference
1.	Dr.S.Karthikeyan M.Tamilselvi C.N Ravi S.Jayasudha P.Shaha V Samuthira Pandi	HDLCP: Experimental Analysis and Development of Hybrid Deep Learning Methodology for Crime Scenario Assessment and Prediction.	2024 1st International Conference on Cognitive, Green and Ubiquitous Computing (IC-CGU)	IEEE Xplore.	01-03-2024
2.	Dr.R.Eswaramoorthi R. Shankar, J. Joselin Jey Sheela Ashish Suri N. Vellachi	High-Performance Digital Signal Processing Circuit Design and Analysis for Wireless Communication Systems.	Fourth International Conference on Smart Electronics and Communication (ICOSEC-2023)	Kongunadu College of Engineering and Technology, Trichy, IEEE IEEE Xplore Part Number : CFP23V90-ART ;ISBN : 979-8-3503-0088-8	20-09-2023, 22-09-2023
3.	Dr.T.M.Sathish Kumar S.Jaichandru P.Kamaleshkanna D.Mathiyazhagan G.Sathishkumar	Vehicle to Vehicle Communication using LI FI with IoT	International Conference on Emerging Materials and Technology	K.S.R.College of Engineering	21-02-2024 , 22-02-2024
4.	Mr.M.Jothimani P.Giridharan R.Jayaprakash P.Karthickraja D.Navachithu Ponkumar	Integrating IoT for Seamless Energy Management and Theft Protection	International Conference on Emerging Materials and Technology	K.S.R.College of Engineering	21-02-2024 - 22-02-2024

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5.	Dr.A.Velliangiri G.Mahasuruthy R.Praveenkumar B.Rajasri V.Surya	IoT Based Smart Warehouse Management Using Machine Learning	International Conference on Emerging Materials and Technology	K.S.R College of Engineering	21-02-2024, 22-02-2024
6.	Mr.J.Rameshkumar R.Jayapraavinraj R.Kathirvel R.Pradeep S.Sabari	Exposing Facial Expressions Through Neural Networks and Landmark Detection	International Conference on Emerging Materials and Technology	K.S.R College of Engineering	21-02-2024, 22-02-2024
7.	Mr.J.Ramesh Kumar Pratul Sambhare, S.Rukmani Devi Nallabothula Priyanka L.N.Jayanthi	Utilizing IOT for Radiation Monitoring and Warning	2024 2nd International Conference on Disruptive Technologies (ICDT)	IEEE proceedings.	15-03-2024
8.	Mr.J.Rameshkumar A.Srividhya U.Yasudhin	Image Manipulation and localization using multi scale feature fusion and adaptive edge supervision	International Conference on Emerging Materials and Technology	K.S.R College of Engineering	21-02-2024, 22-02-2024
9.	Dr.C.Gowri Shankar R.Praveenkumar V.Pugazhenth S.Ajithkumar G.Ranjith	Vehicle Theft Identification and Detection of Road Accident Through CCTV Survelience	International Conference on Emerging Materials and Technology	K.S.R College of Engineering	21-02-2024, 22-02-2024
10.	Dr.R.Satheeskumar S.Balaji D.Kiruthika S.Manobala S.Sangavi	Wireless Charging System for Electrical Vehicles	International Conference on Emerging Materials and Technology	K.S.R College of Engineering	21-02-2024, 22-02-2024

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11.	Mr.R.Veeramani P.Pandiselvi N.Sudhakar P.Suriya T.Karthigadevi	Microstrip Patch Antenna Design For LTE Applications	International Conference on Emerging Materials and Technology	K.S.R College of Engineering	21-02-2024, 22-02-2024
12.	Mr.K.KaruppanasamyM .Gowtham P.Jeevanantham R.Rishikesan R.Sakthi	IoT Based Smart Health Care monitoring System for the paralysis and mute person	International Conference on Emerging Materials and Technology	K.S.R College of Engineering	21-02-2024, 22-02-2024
13.	Dr.S.Karthikeyan R.Anandhaprakash S.Karthick M.Hemanthkumar K.Suruthi	Motor Cycle Helmet and Triple riding compliance detections using Deep Learning	International Conference on Emerging Materials and Technology	K.S.R College of Engineering	21-02-2024, 22-02-2024
14.	Dr.P.Mahendran V.Harish S.Periyasamy M.Subash M.Vaishnavi	Smart Agriculture System Using Machine Learning	International Conference on Emerging Materials and Technology	K.S.R College of Engineering	21-02-2024, 22-02-2024
15.	Mrs.S.Sridevi S.Dhanraaj R.S.Hariish G.VMohankumar R.Sudharsan	Electricity Consumption Prediction and Control Using Machine Learning	International Conference on Emerging Materials and Technology	K.S.R College of Engineering	21-02-2024, 22-02-2024
16.	Mr.P.Sivasankar Rajamani R.Jeeva P.Jeevanantham M.Shanjeevi M.Balaji	Automatic Fare Collection in Public Transport	International Conference on Emerging Materials and Technology	K.S.R College of Engineering	21-02-2024, 22-02-2024

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17.	Mr.S.Krishnakumar P.Logesh M.Muhunthan S.Nareshkumar M.Subash	Emergency Tele surgery operation for Military People During War Time Through IoT	International Conference on Emerging Materials and Technology	K.S.R College of Engineering	21-02-2024, 22-02-2024
18.	Mrs.S.Sridevi R.Jinu C.Saran A.Vignesh T.Prasad	Diabetic Retinopathy Detection and other eye disease classification using SVM and CNN Algorithm	International Conference on Emerging Materials and Technology	K.S.R College of Engineering	21-02-2024, 22-02-2024
19.	Mrs.P.Thilagavathi S.Gokul Ram R.Hariraj S.Jagan M.Pradeep Kumar	Design and Implementation of High Accuracy FIR based Approximate multiplier	International Conference on Emerging Materials and Technology	K.S.R College of Engineering	21-02-2024, 22-02-2024
20.	Mrs.P.Usha K.U.Logudeepak S.Pranesh S.Jagan M.Jawahar	Predictive Analysis for big Mart sales Using Machine Learning Algorithm	International Conference on Emerging Materials and Technology	K.S.R College of Engineering	21-02-2024, 22-02-2024
21.	Mrs.D.Gowthami R.Mugunthan S.Logesh K.Santhosh S.Sudhakar	Drainage Blockage Detection and Control Systems Using IoT	International Conference on Emerging Materials and Technology	K.S.R College of Engineering	21-02-2024, 22-02-2024

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22.	Mr.T.Marthandan N.Sengottaiyan S.M Ramesh	Novel Analysis of Human Stress Using Adult Blood Pressure and Heart Rate Data Using Random Forest Algorithm	2024 International Conference on Integrated Intelligence and Communication Systems (ICIICS)	IEEE Conference	22-11-2024
23.	Dr.K.P.Uvarajan M.Sivakumar R.Jeeva P.Manikandan S.Naveenkumar	An AI Based real Time Road Analysis System Using MEMS Data with IoT Application	International Conference on Emerging Materials and Technology	K.S.R College of Engineering	21-02-2024, 22-02-2024
24.	Dr.R.Poornina S.S.Ramya L.Sanjay N.Santhiya C.Poovarasam	Enhancing Mimo-Noma System Performance:Deep Learning-Enabled Optimization of Sum Data Rate and Energy Efficiency	International Conference on Emerging Materials and Technology	K.S.R College of Engineering	21-02-2024, 22-02-2024

