



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

(Accredited by NAAC & NBA, Approved by AICTE New Delhi & Permanently Affiliated to JNTUH)

Aziz Nagar Gate, C.B. Post, Hyderabad-500 075

Department: ECE

AY : 2024-25

## Publication Details

S. No.	year	IJ / NJ / IC / NC / BC	Title	Authors (enter in the order as it is in the paper)	Name of the Journal / Conference	Vol. & Issue No./ pp /Year / Date	ISBN / ISSN	Indexing (Scopus/WOS/SCI/UGC/Others)	link
1	2024	IC	Optimizing Urban Heat Response with IoT-Driven Manhole Heat Detection using Recurrent Neural Networks	Atmaram Fakirba Shelke; Ramakrishnan Raman; Vipul Vekariya; V G Sivakumar; T. R. GaneshBabu; C. Srinivasan	2024 8th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)	03-05 October 2024/ Oct 2024	979-8-3503-7642-5	Scopus	<a href="https://ieeexplore.ieee.org/document/10714633/authors#authors">https://ieeexplore.ieee.org/document/10714633/authors#authors</a>
2	2024	IC	High-Performance Digital Filters in an Electronic Stethoscope: An FPGA Based Approach	S. Balaji; Muddana Subbarao; S. Kiruthik; V. Joseph Michael Jerard; P. Ganesan; V. Elamaran	2024 Third International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT)	24-26 July 2024/ Oct 2024	979-8-3503-6908-3	Scopus	<a href="https://ieeexplore.ieee.org/document/10718468/authors#authors">https://ieeexplore.ieee.org/document/10718468/authors#authors</a>
3	2024	IC	Exploring State-of-the-Art Methods in Mastering Digital Signal Processing through Blended Learning	S. Nivithan; A. Abhishek; P. Thanapal; M. Sundar Prakash Balaji; V. Joseph Michael Jerard ; P. Ganesan	2024 Third International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT)	24-26 July 2024/ Oct 2024	979-8-3503-6908-3	Scopus	<a href="https://ieeexplore.ieee.org/document/10718488/authors#authors">https://ieeexplore.ieee.org/document/10718488/authors#authors</a>

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4	2024	IC	Reconfigurable High-Performance Digital Filters on Baseline Wandering Noise Removal	V. S. Balaji; J. Asokan; P. Ganesan; Shaik Fairooz; G. Sasi; V. Elamaran	2024 10th International Conference on Advanced Computing and Communication Systems (ICACCS)	14-15 March 2024/ Oct 2024	979-8-3503-8436-9	Scopus	<a href="https://ieeexplore.ieee.org/document/10717136/authors#authors">https://ieeexplore.ieee.org/document/10717136/authors#authors</a>
5	2024	IC	The Design and Implementation of NodeMCU Based Smart Shoe for Woman Safety	L. M. I. Leo Joseph; V. Manonmani; S. Thulasi Prasad; V. Elamaran; Ganesan P ; G. Sajiv	2024 10th International Conference on Advanced Computing and Communication Systems (ICACCS)	14-15 March 2024/ Oct 2024	979-8-3503-8436-9	Scopus	<a href="https://ieeexplore.ieee.org/document/10717064/authors#authors">https://ieeexplore.ieee.org/document/10717064/authors#authors</a>
6	2024	IJ	Emergency Vehicle Classification Using Combined Temporal and Spectral Audio Features with Machine Learning Algorithms	Dontabhaktuni Jayakumar; Modugu Krishnaiah; Sreedhar Kollem; Samineni Peddakrishna; Nadikatla Chandrasekhar; M Thirupathi	electronics	13(19)/ Sep 2024	2079-9292	SCI,WoS ,Scopus	<a href="https://www.mdpi.com/2079-9292/13/19/3873">https://www.mdpi.com/2079-9292/13/19/3873</a>
7	2024	IJ	Optimized Adaptive Multi-Scale Dual An for Multi-Objective CHS and Energy-Aware Routing in 6G WC	N. Prabakaran ,R. Sekar & M. Vadivel	IETE Journal of Research	Sep 2024	0974-780X	SCI,WoS ,Scopus	<a href="https://www.tandfonline.com/doi/full/10.1080/03772063.2024.2387288">https://www.tandfonline.com/doi/full/10.1080/03772063.2024.2387288</a>
8	2024	IC	Isolation Forests Integration for Proactive Anomaly Detection in Augmented Reality-enhanced Tele-ICU Systems	V G Sivakumar; M. Rajendra Prasad; M. Vadivel; S Thulasi Prasad; A. Aranganathan; S. Murugan	2024 6th International Conference on Energy, Power and Environment (ICEPE)	NIT, Meghalaya/ 20th-22nd June 2024/ Sep 2024	979-8-3503-7929-7	Scopus	<a href="https://ieeexplore.ieee.org/document/10668946/authors#authors">https://ieeexplore.ieee.org/document/10668946/authors#authors</a>

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9	2024	IJ	A Web Application to predict the Liver Functionality using Ensemble Learning Technique	Mrs. MD Reshma, Dr. S. Thulasi Prasad, Dr. M. Rajendra prasad, Mr. G. Nagendra	Tuijin Jishu/Journal of Propulsion Technology	Vol. 45 & No. 4/pp. 928-936/July-Aug 2024	1001-4055	Scopus	<a href="https://www.propulsiontechjournal.com/index.php/journal/article/view/8245/5184">https://www.propulsiontechjournal.com/index.php/journal/article/view/8245/5184</a>
10	2024	IJ	COMPACT FLEXIBLE ELLIPTICAL SLOT ANTENNA WITH SC-DGS FOR 5 GHz WLAN/WBAN APPLICATIONS	Nageswara Rao Regulagadda ,U V Ratna Kumari. G Sreenivasarao	Journal of Technology	Vol. 12 & Issue 8 /pp. 568-575 / Aug 2024	1012-3407	Scopus	<a href="https://drive.google.com/file/d/1VgRr29qpQaea21hUSTonlDbr0ZEx463z/view">https://drive.google.com/file/d/1VgRr29qpQaea21hUSTonlDbr0ZEx463z/view</a>
11	2024	IJ	Wireless Car Charging through Electricity Generated via Speed Breakers	S.Ritesh, G.Sreenivasa Rao, Sateesh Amarneni	Journal of Technology	Vol. 12 & Issue 8 /pp. 480-483 / Aug 2024	1012-3407	Scopus	<a href="https://drive.google.com/file/d/14sVKouArCGledw5u2jw816bpjFljsZzT/view">https://drive.google.com/file/d/14sVKouArCGledw5u2jw816bpjFljsZzT/view</a>
12	2024	IJ	IOT BASED AUTONOMOUS VEHICLE AND TRACKING SYSTEM	Dornala Venkatravamma, G Someswara Rao, Mr. A Laxman	Journal of Technology	Vol. 12 & Issue 8 /pp. 768-771 / Aug 2024	1012-3407	Scopus	<a href="https://drive.google.com/file/d/1yt2N2FBorBdAvKboMhCpxkxz7Nxyh9S/view">https://drive.google.com/file/d/1yt2N2FBorBdAvKboMhCpxkxz7Nxyh9S/view</a>
13	2024	IJ	Android Bluetooth Device Control for Industrial Automation	G. Ravi Kishore, S. Santhi Priya, Sandeep Chilumula and Y Sudha	Indian Journal of Natural Sciences	Vol.15 / Issue 85 / pp. 76120-76123/Aug 2024	0976 – 0997	WoS	<a href="https://tnsroindia.org.in/JOURNAL/issue85/ISSUE%2085%20-%20AUG%202024%20-%20FULL%20TEXT%20PART%2001.pdf">https://tnsroindia.org.in/JOURNAL/issue85/ISSUE%2085%20-%20AUG%202024%20-%20FULL%20TEXT%20PART%2001.pdf</a>
14	2024	IJ	Enhanced Battery Monitoring System for Electric Vehicles Using IoT Technology	Amgoth Laxman, Sateesh Amarneni, N Siva Sankara Reddy	Journal of Technology	Vol. 12 & Issue 8/ pp. 110-114/ Aug 2024	1012-3407	Scopus	<a href="https://drive.google.com/file/d/1amK4DV3WD0vODc4SRtmgU6G6c0GK6T2p/view">https://drive.google.com/file/d/1amK4DV3WD0vODc4SRtmgU6G6c0GK6T2p/view</a>

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15	2024	IC	Detection of Counterfeit Currency	Angotu saida, Mirza Sajid Ali Baig, Ch. Sreedhar, MaduguLa Ramesh, Rikkala Spoorti and Kuruvenla Kaveri	Emerging Trends in IoT and Computing Technologies Proceedings of the International Conference on Emerging Trends in IoT and Computing Technologies-2023	Aug 2024	9781032879246	Scopus	<a href="https://www.routledge.com/Emerging-Trends-in-IoT-and-Computing-Technologies-Proceedings-of-the-International-Conference-on-Emerging-Trends-in-IoT-and-Computing-Techno/Tripathi-Agarwal-Pal-Perwej/p/book/9781032879246">https://www.routledge.com/Emerging-Trends-in-IoT-and-Computing-Technologies-Proceedings-of-the-International-Conference-on-Emerging-Trends-in-IoT-and-Computing-Techno/Tripathi-Agarwal-Pal-Perwej/p/book/9781032879246</a>
16	2024	IJ	Ultra-scalable ensemble clustering with simulated annealing based coot bird routing protocol for WSN	Robin Abraham, M. Vadivel	International Journal of Communication Networks and Distributed System	30 & 5 / pp 523-549/Aug 2024	1754-3924	Scopus, WoS	<a href="https://www.inderscienceonline.com/doi/pdf/10.1504/IJCND.2024.140677">https://www.inderscienceonline.com/doi/pdf/10.1504/IJCND.2024.140677</a>
17	2024	BC	The Impact Analysis of the Effect of Noise in Natural Color Image Segmentation	P. Ganesan, G. Merlin Sheeba, S. D. Manju, R. Murugesan, G. Sajiv & B. S. Sathish	International Conference on Advances in Signal Processing And Communication Engineering, Lecture Notes in Electrical Engineering	LNEE,vol.11 57/pp. 411–422/Jul 2024	978-981-97-0562-7	Scopus	<a href="https://link.springer.com/chapter/10.1007/978-981-97-0562-7_31">https://link.springer.com/chapter/10.1007/978-981-97-0562-7_31</a>
18	2024	BC	An Efficient Approach to Skin Color Segmentation Using Perceptually Uniform CIELab Color Model	B. S. Sathish, T. Jerry Alexander, B. Padmavathy, L. M. I. Leo Joseph, P. Ganesan, G. Sajiv & R. Murugesan	International Conference on Recent Trends in Computing, Lecture Notes in Networks and Systems	LNNS, vol. 954/pp. 465–474/Jul 2024	978-981-97-1724-8	Scopus	<a href="https://link.springer.com/chapter/10.1007/978-981-97-1724-8_40">https://link.springer.com/chapter/10.1007/978-981-97-1724-8_40</a>
19	2024	IC	A Novel Approach for Segmentation and Classification of Skin Diseases based on Active Contour Model and Multiclass SVM Classifier	V. Manonmani; P Ganesan; G. Sajiv; D. Akila; A. B. Hajira; S. Jency	2024 10th International Conference on Communication and Signal Processing (ICCSP)	Jun 2024	979-8-3503-5306-8	Scopus	<a href="https://ieeexplore.ieee.org/document/10544077/authors#authors">https://ieeexplore.ieee.org/document/10544077/authors#authors</a>

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20	2024	IC	Superpixels-based Segmentation and Classification using Modified Fuzzy C-Means Clustering and Color Features	A. Akilandeswari; T.Jerry Alexander; P Ganesan; V. Janakiraman; D. Akila; G. Sajiv	2024 10th International Conference on Communication and Signal Processing (ICCSP)	Jun 2024	979-8-3503-5306-8	Scopus	<a href="https://ieeexplore.ieee.org/document/10543321/authors#authors">https://ieeexplore.ieee.org/document/10543321/authors#authors</a>
21	2024	IC	A Framework for Segmentation of Thermal Images using Unsupervised Fuzzy Based Clustering Methods	A. Akilandeswari; T. Menaka; P Ganesan; A. Rajasekaran; B Chandrasekaran; G. Sajiv	2024 10th International Conference on Communication and Signal Processing (ICCSP)	Jun 2024	979-8-3503-5306-8	Scopus	<a href="https://ieeexplore.ieee.org/document/10543483/authors#authors">https://ieeexplore.ieee.org/document/10543483/authors#authors</a>
22	2024	IC	Comparative Analysis of Decorrelation and Contrast Stretching for Multispectral Color Image Enhancement	P Ganesan; L.M.I. Leo Joseph; G. Sajiv; B Chandrasekaran; E. Manigandan; V. Janakiraman	2024 10th International Conference on Communication and Signal Processing (ICCSP)	Jun 2024	979-8-3503-5306-8	Scopus	<a href="https://ieeexplore.ieee.org/document/10543762">https://ieeexplore.ieee.org/document/10543762</a>
23	2024	BC	Unsupervised Fuzzy Clustering-Based Vehicle Detection and Segmentation in Infrared Thermography	P. Ganesan, L. M. I. Leo Joseph, V. G. Sivakumar, S. Thulasi Prasad, B. S. Sathish & G. Sajiv	Advances in Distributed Computing and Machine Learning	pp 373–386/ Jun 2024	978-981-97-1841-2	Scopus, WoS	<a href="https://link.springer.com/chapter/10.1007/978-981-97-1841-2_28">https://link.springer.com/chapter/10.1007/978-981-97-1841-2_28</a>
24	2024	IJ	Frequency Reconfigurable Four Port MIMO Antenna for Wi-Fi, WLAN and ISM Applications	M. Ribitha Elizabeth, M. Vadivel	Wireless Personal Communications	Vol. 136/ pp. 701–733/ June 2024	1572-834X	SCI, WoS, Scopus	<a href="https://link.springer.com/article/10.1007/s11277-024-11259-0">https://link.springer.com/article/10.1007/s11277-024-11259-0</a>



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1	2024	IJ	Evaluating the Effect of Metal, Nonmetal, and Co-Doping on Brookite TiO <sub>2</sub>	Neerja Dharmale, Rupesh Mahamune, Modugu Krishnaiah, and Jayanta Kumar Kar	Nano	VOL. 19 & NO. 08/ May 2024	1793-7094	Scopus, SCIE	<a href="https://www.worldscientific.com/doi/pdf/10.1142/S1793292024500425?download=true">https://www.worldscientific.com/doi/pdf/10.1142/S1793292024500425?download=true</a>
2	2024	IJ	IoT Based Smart Health Monitoring System for Human	M. RajendraPrasad ,M.Kevin Jonathan, S.Tulasi Prasad.M.Vadivel and A Aranganathan	African Journal of Biological Sciences	6(5)/ pp. 10405-10411/ April 2024	2663-2187	Scopus	<a href="https://www.afjbs.com/uploads/paper/245d41fdefef3c7c77d1a3059f8ba3e5.pdf">https://www.afjbs.com/uploads/paper/245d41fdefef3c7c77d1a3059f8ba3e5.pdf</a>
3	2024	IJ	An Ordered QR Decomposition based Signal Detection Technique for Uplink Massive MIMO	Jyoti P. Patra, Bibhuti Bhusan Pradhan, and M. Rajendra Prasad	INFOCOMMUNICATIONS JOURNAL	Vol. XVI & 1 /PP 20-25/MARCH 2024	2061-2079	Scopus, WoS	<a href="https://real.mtak.hu/194257/1/InfocomJournal_2024_1_3.pdf">https://real.mtak.hu/194257/1/InfocomJournal_2024_1_3.pdf</a>

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4	2024	IC	Cloud-Based Passenger Experience Management in Bus Fare Ticketing Systems Using Random Forest Algorithm	M. Vadivel; V. Bini Marin; S. Balasubramani; S. Hemalatha; S. Murugan; S. Velmurugan	2024 11th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO)	14-15 March 2024	979-8-3503-5035-7	Scopus	<a href="https://ieeexplore.ieee.org/document/10522226">https://ieeexplore.ieee.org/document/10522226</a>
5	2024	IJ	Sentinel: Integrative Robotic Surveillance with Remote Monitoring and Action	E. Kavitha, E. Kalpana	International Journal of Scientific Engineering and Science	Volume 8 & Issue 3/ pp. 144-148/ April 2024	2456-7361	UGC	<a href="https://ijses.com/wp-content/uploads/2024/04/102-IJSES-V8N3.pdf">https://ijses.com/wp-content/uploads/2024/04/102-IJSES-V8N3.pdf</a>
6	2024	IC	A Gradient Boosting Algorithm to Predict Energy Consumption for Home Applications	V G Sivakumar; N. Arunfred; N Anusha; C. Balakrishnan; B. Meenakshi; S. Sujatha	2024 2nd International Conference on Computer, Communication and Control (IC4)	Apr 2024	979-8-3503-8793-3	Scopus	<a href="https://ieeexplore.ieee.org/document/10486226/authors#authors">https://ieeexplore.ieee.org/document/10486226/authors#authors</a>
7	2024	IC	In-Depth Sleep Disorder Assessment using REMcraft Navigator IoT and Random Forest Algorithms	More Praveen; V. Prasanna Srinivasan; V G Sivakumar; P. Vijayan; R Tharun; R. Thamizhamuthu	2024 2nd International Conference on Computer, Communication and Control (IC4)	Apr 2024	979-8-3503-8793-3	Scopus	<a href="https://ieeexplore.ieee.org/document/10486463/authors#authors">https://ieeexplore.ieee.org/document/10486463/authors#authors</a>
8	2024	IC	Support Vector Machines Based Predictive Seizure Care using IoT-Wearable EEG Devices for Proactive Intervention in Epilepsy	Porandla Srinivas; M. Arulprakash; M. Vadivel; N Anusha; G. Rajasekar; C. Srinivasan	2024 2nd International Conference on Computer, Communication and Control (IC4)	Apr 2024	979-8-3503-8793-3	Scopus	<a href="https://ieeexplore.ieee.org/document/10486581">https://ieeexplore.ieee.org/document/10486581</a>

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9	2024	BC	A Comprehensive Survey on Brain Tumor Classification from MRI Images Using Artificial Intelligence	Sateesh Amarneni, R.S. Valarmathi	Disruptive technologies in Computing and Communication Systems	Mar 2024	9781032665535	Scopus	<a href="https://www.taylorfrancis.com/chapters/edit/10.1201/9781032665535-32/comprehensive-survey-brain-tumor-classification-mri-images-using-artificial-intelligence-sateesh-amarneni">https://www.taylorfrancis.com/chapters/edit/10.1201/9781032665535-32/comprehensive-survey-brain-tumor-classification-mri-images-using-artificial-intelligence-sateesh-amarneni</a>
10	2024	IC	IoT Enabled Microgrid System for Enhancing Power Quality Using Adaptive Neuro-Fuzzy Control Algorithm	M. Venkatesh; V. G. Sivakumar; C. Gangaiah Yadav; B. Gopi; N. Malathi; S. Velmurugan	2023 International Conference on Power Energy, Environment & Intelligent Control (PEEIC)	Mar 2024	979-8-3503-5776-9	Scopus	<a href="https://ieeexplore.ieee.org/document/10451678/authors#authors">https://ieeexplore.ieee.org/document/10451678/authors#authors</a>
11	2024	IJ	Bagging ensemble mean-shift Gaussian kernelized clustering based D2D connectivity enabled communication for 5G networks	Varadala Sridhar a,* , T. Annamani b , M. Renuka a , V. Vinay Kumar b , Arunkumar Madupu c	e-Prime - Advances in Electrical Engineering, Electronics and Energy	Volume 7, March 2024	2772-6711	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2772671123002954">https://www.sciencedirect.com/science/article/pii/S2772671123002954</a>
12	2024	IC	Speed and Torque Optimization of Motor Drive Through Intelligent Control Approaches	Hanumaji Kantari; M. Vadivel; Pavithra Jagadeesan; T. J. Nagalakshmi; B. Meenakshi; S. Velmurugan	2024 International Conference on Automation and Computation (AUTOCOM)	192-196/ 14-16 March 2024	979-8-3503-8272-3	Scopus	<a href="https://ieeexplore.ieee.org/document/10486185">https://ieeexplore.ieee.org/document/10486185</a>
13	2024	IJ	Bluetooth-Enabled Gate Control: A Modern Approach to Home Security	E. Kalpana, E. Kavitha	International Journal of Scientific Engineering and Science	Volume 8 & Issue 3/ pp. 35-38/ March 2024.	2456-7361	UGC	<a href="http://ijses.com/wp-content/uploads/2024/03/105-IJSES-V8N2.pdf">http://ijses.com/wp-content/uploads/2024/03/105-IJSES-V8N2.pdf</a>



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14	2024	IJ	A Novel approach to track location of GNSS receiver using Satellite Navigation	Sudha Rani,J, Rajashekhar Kammanaboina,K.Taran gini,J.Aparna	High Technology Letters	Vol. 30& Issue 3/pp. 24-36/ Mar 2024	1006-6748	UGC	<a href="https://drive.google.com/file/d/1UGjWMnzC9cNTSjZOznJqJqgRzQ5sCMwm/view">https://drive.google.com/file/d/1UGjWMnzC9cNTSjZOznJqJqgRzQ5sCMwm/view</a>
15	2024	IJ	An efficient adaptive reconfigurable routing protocol for optimized data packet distribution in network on chips	Ravindra Goravi Sukumar, Modugu Krishnaiah, Rekha Velluri, Pooja Satish, Sharmila Nagaraju, Nandini Gowda Puttaswamy, Mallikarjunaswamy	Computer Engineering (IJECE)	Vol.14, No.1/ pp. 305-314/February 2024	2088-8708	Scopus	<a href="https://ijece.iaescore.com/index.php/IJECE/article/view/32309/17082">https://ijece.iaescore.com/index.php/IJECE/article/view/32309/17082</a>
16	2024	IJ	Emotion Identification using EEG Signal with Reduced Electrodes and Time Frequency Parameters	Kalyani Wagha, K. Vasanthb, Sagar Shindec, Lalitkumar Wadhwad, and Avinash Thakurd	International Journal of Performability Engineering	Vol. 20 & Issue 2/pp. 99–111/ Feb 2022	2993-8341	Scopus	<a href="https://www.ijpe-online.com/EN/10.23940/ijpe.24.02.p5.99111">https://www.ijpe-online.com/EN/10.23940/ijpe.24.02.p5.99111</a>
17	2024	IC	Decoder based VLSI architectures for nonlinear filter in image applications	Vasanth Kishorebabu; Pradeep Kumar Reddy Sangala; Nagaraj Subramanyam; Thyagarajan Kaveripakam	AIP Conference Proceedings-2nd International Conference on Advances in Signal Processing, VLSI, Communication, and Embedded Systems, ICSVCE 2022	Vol. 2942 & 1, Feb 2024	978-0-7354-4204-7	Scopus	<a href="https://pubs.aip.org/aip/acp/article-abstract/2942/1/020023/3267832/Decoder-based-VLSI-architectures-for-nonlinear">https://pubs.aip.org/aip/acp/article-abstract/2942/1/020023/3267832/Decoder-based-VLSI-architectures-for-nonlinear</a>
18	2024	BC	Iterative Interference Cancellation for STBC-OFDM System Over Doubly Selective Channel	Jyoti P. Patra, Bibhuti Bhusan Pradhan, Ranjan Kumar Mahapatra & Sankata Bhanjan Prusty	Soft Computing and Its Engineering Applications, Communications in Computer and Information Science	CCIS, volume 2031/pp 122–136/February 2024	1865-0937	Scopus	<a href="https://link.springer.com/chapter/10.1007/978-3-031-53728-8_10">https://link.springer.com/chapter/10.1007/978-3-031-53728-8_10</a>

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19	2024	IJ	A Novel Approach to Virtual Simulation Systems-Digital Twinning	Sudha Rani J, T. Swapna Rani, J. Aparna Priya	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	Vo. 4 & Issue 3/ pp. 88-93/ February 2024	2581-9429	UGC	<a href="https://www.ijarsct.co.in/Paper15518.pdf">https://www.ijarsct.co.in/Paper15518.pdf</a>
20	2024	IJ	Noble Model of Detecting Facial Parts Using Optimization techniques	Sudha Rani. J and G Nagendra	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	Vo. 4 & Issue 2/ pp. 483-491/February 2024	2581-9429	UGC	<a href="https://www.ijarsct.co.in/Paper15469.pdf">https://www.ijarsct.co.in/Paper15469.pdf</a>
21	2024	IJ	An efficient adaptive reconfigurable routing protocol for optimized data packet distribution in network on chips	Pavithra Goravi Sukumar, Modugu Krishnaiah, Rekha Velluri, Pooja Satish, Sharmila Nagaraju, Nandini Gowda Puttaswamy, Mallikarjunaswamy Srikantaswamy	International Journal of Electrical and Computer Engineering (IJECE)	Vol. 14/ No. 1/ pp. 305-314/February 2024	2088-8708	Scopus	<a href="https://ijece.iaescore.com/index.php/IJECE/article/view/32309/17082">https://ijece.iaescore.com/index.php/IJECE/article/view/32309/17082</a>
22	2024	IJ	An Enhanced Energy Efficiency Routing for WSN based on Elephant Herding and Swarm Optimization Approaches	Robin Abraham, M. Vadivel	Transactions on Energy Systems and Engineering Applications	5(1): 548/ Feb 2024	2745-0120	Scopus	<a href="https://revistas.utb.edu.co/tesea/article/view/548">https://revistas.utb.edu.co/tesea/article/view/548</a>
23	2024	IC	An efficient vehicle to vehicle communication system using intelligent transportation system	S Sheela; K B Naveen; N M Basavaraju; D Mahesh Kumar; Modugu Krishnaiah; S Mallikarjunaswamy	2023 International Conference on Recent Advances in Science and Engineering Technology (ICRASET)	Feb 2024	979-8-3503-0692-7	Scopus	<a href="https://ieeexplore.ieee.org/document/10420043/authors#authors">https://ieeexplore.ieee.org/document/10420043/authors#authors</a>

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24	2024	IJ	A Software Solution for Echo in Communications Systems	R. Prakash Kumar, G.Parameshwar , Rajashekhar.K	Journal of Xidian University	Vol. 18 & Issue 1/pp.644 – 652/ January 24	1001-2400	Scopus	<a href="https://drive.google.com/file/d/1v0_coOcuK2EpYLdZ7uNzRjipd3dkYxab/view">https://drive.google.com/file/d/1v0_coOcuK2EpYLdZ7uNzRjipd3dkYxab/view</a>
25	2024	IJ	EFFICIENT LOW-POWER 8T SRAM DESIGN WITH SCHMITT TRIGGER LOGIC	C. Chandra Vamshi, Dr M. Rajendra Prasad and G Nagendra	International Journal of Applied Engineering & Technology	Vol. 6 & No.1/pp. 1336-1344/ January, 2024	2633-4828	UGC	<a href="https://romanpub.com/resources/ijaet20v6-1-2024-134.pdf">https://romanpub.com/resources/ijaet20v6-1-2024-134.pdf</a>
26	2024	IC	A Simple Approach to Analyze and Evaluate Image Segmentation Methods Based on Image Quality Metrics	Ganesan P; M. Ravichandran; L.M.I. Leo Joseph; B.S. Sathish; M. Raiendra Prasad; G. Sajiv	IEEE 3rd International Conference on Applied Electromagnetics, Signal Processing, & Communication (AESPC 2023)	Jan 2024	979-8-3503-5874-2	Scopus	<a href="https://ieeexplore.ieee.org/document/10390475">https://ieeexplore.ieee.org/document/10390475</a>
27	2024	IC	An Effectual Methodology to Objective Quality Assessment for Noisy and Compressed Images Using Full and Blind Reference Quality Metrics	M. Ravichandran; T. Jerry Alexander; B.S. Sathish; L.M.I. Leo Joseph; Ganesan P; G. Sajiv	IEEE 3rd International Conference on Applied Electromagnetics, Signal Processing, & Communication (AESPC 2023)	Jan 2024	979-8-3503-5874-2	Scopus	<a href="https://ieeexplore.ieee.org/document/10390354">https://ieeexplore.ieee.org/document/10390354</a>
28	2024	IC	Comparative Study of Implementation of Very Deep Super Resolution Neural Network and Bicubic Interpolation for Single Image Super Resolution Quality Enhancement	Ganesan P; M. Ravichandran; B.S. Sathish; L.M.I.Leo Joseph; G. Sajiv; R. Murugesan	IEEE 3rd International Conference on Applied Electromagnetics, Signal Processing, & Communication (AESPC 2023)	Jan 2024	979-8-3503-5874-2	Scopus	<a href="https://ieeexplore.ieee.org/document/10389860">https://ieeexplore.ieee.org/document/10389860</a>

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29	2024	IC	SEFCL-DNN Based Multi-Grade Brain Tumor Prediction Model with Survival Time Analysis	R Sakthi Prabha; M. Vadivel	International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE 2023)	Jan 2024	979-8-3503-0570-8	Scopus	<a href="https://ieeexplore.ieee.org/document/10368911/authors#authors">https://ieeexplore.ieee.org/document/10368911/authors#authors</a>
30	2023	IJ	FPGA based Comparative Performance Analysis of 'n' Bit Multiplier	S.Bharathi, Y.Sudha and G.Ravi Kishore	Indian Journal of Natural Sciences	Vol.14 & Issue 81 / pp. 65907-65914/ Dec 2023	0976 – 0997	WoS	<a href="https://tnsroindia.org.in/JOURNAL/issue81/IJONS%20-%20DECEMBER%202023%20-%20FULL%20TEXT%20PART%2002.pdf">https://tnsroindia.org.in/JOURNAL/issue81/IJONS%20-%20DECEMBER%202023%20-%20FULL%20TEXT%20PART%2002.pdf</a>
31	2023	IJ	Anticipating brain tumor classification and severity levels: employing the CDF-BILSTM model approach	R. Sakthi Prabha & M. Vadivel	Optical and Quantum Electronics	Vol.56/ article number 187/Dec 2023	1572-817X	SCI,Scopus,WoS	<a href="https://link.springer.com/article/10.1007/s11082-023-05760-2">https://link.springer.com/article/10.1007/s11082-023-05760-2</a>
32	2023	IJ	Dual Bit Control and Match-Line Division in Content Addressable Memory for Low Energy	S V V Satyanarayana, P Ashok Kumar, Killadi Baboji, M Priyadharshini	e-Prime - Advances in Electrical Engineering, Electronics and Energy	Dec 2023	2772-6711	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2772671123002917">https://www.sciencedirect.com/science/article/pii/S2772671123002917</a>
33	2023	IC	IoT and GIS Integration for Real Time Monitoring of Soil Health and Nutrient Status	V G Sivakumar; V Vijaya Baskar; M. Vadivel; S P Vimal; S. Murugan	International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS 2023)	Dec 2023	979-8-3503-0085-7	Scopus	<a href="https://ieeexplore.ieee.org/document/10331694">https://ieeexplore.ieee.org/document/10331694</a>

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34	2023	IJ	Efficient Energy Congestion Control Scheme for Wireless Sensor Networks using Adaptive Neuro Fuzzy Inference System with Black Widow Optimization	Abdul Ali, M. Vadivel	Iranian Journal of Fuzzy Systems	Vol. 20 & Number 6/ pp. 187-202/ Nov-Dec 2023	2676-4334	SCI, Scopus, WoS	<a href="https://ijfs.usb.ac.ir/article_7935_f7cdb3a75de023129119094cef57815c.pdf">https://ijfs.usb.ac.ir/article_7935_f7cdb3a75de023129119094cef57815c.pdf</a>
35	2023	IJ	Optimised feature selection-driven convolutional neural network using gray level co-occurrence matrix for detection of cervical cancer	K. Sudhakar, D. Saravanan, G. Hariharan, M. S. Sanaj, Santosh Kumar, Maznu Shaik, Jose Luis Arias Gonzales, corresponding author and Khursheed Aurangzeb	Open Life Sciences	18(1)/ Nov 2023	2391-5412	SCI, WoS, Scopus	<a href="https://www.degruyter.com/document/doi/10.1515/biol-2022-0770/html?lang=en">https://www.degruyter.com/document/doi/10.1515/biol-2022-0770/html?lang=en</a>
36	2023	IC	A Low Complexity SFBC-OFDM Channel Estimation in Fast Fading Channel	Jyoti P. Patra; Bibhuti Bhusan Pradhan; Bijaya Kumar Muni; Prasanta Kumar Pradhan	14th International Conference on Computing Communication and Networking Technologies (ICCCNT 2023)	Nov 2023	979-8-3503-3509-5	Scopus	<a href="https://ieeexplore.ieee.org/document/10307532/authors#authors">https://ieeexplore.ieee.org/document/10307532/authors#authors</a>
37	2023	IJ	Jarvis-Patrick-Clusterative African Buffalo Optimized Deep Learning Classifier for Device-to-Device Communication in 5G Networks	Varadala Sridhar, Raghu Indrakanti, M. Renuka, N. Bala Sundara Ganapathy, V. Vinay Kumar & E. Srinivas	IETE Journal of Research	Nov 2023	0974-780X	SCI, WoS, Scopus	<a href="https://www.tandfonline.com/doi/full/10.1080/03772063.2023.2273946">https://www.tandfonline.com/doi/full/10.1080/03772063.2023.2273946</a>

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38	2023	IJ	Slime Mould-Based Collaborative Deep Boltzmann Machine for Intrusion Detection Model in Mobile Ad Hoc Network	G. Parameshwar, N.V. Koteswara Rao , L. Nirmala Devi	SSRG International Journal of Electrical and Electronics Engineering	Vol. 10 Issue 11/ 31-38/ Nov 2023	2348-8379	Scopus	<a href="https://www.internationaljournalsrrg.org/IJEEE/2023/Volume10-Issue11/IJEEE-V10I11P103.pdf">https://www.internationaljournalsrrg.org/IJEEE/2023/Volume10-Issue11/IJEEE-V10I11P103.pdf</a>
39	2023	IJ	Crop Shield Protection System	K.Shyama Satya Naga Teja, Y.Sudha and G Ravi Kishore	Indian Journal of Natural Sciences	14&80/60884-60887/ Oct 2023	0976 – 0997	WoS	<a href="https://tnsroindia.org.in/JOURNAL/issue80/ISSUE%2080%20-%20OCTOBER%202023%20-%20FULL%20TEXT%2001.pdf">https://tnsroindia.org.in/JOURNAL/issue80/ISSUE%2080%20-%20OCTOBER%202023%20-%20FULL%20TEXT%2001.pdf</a>
40	2023	IJ	Multi-Objective Binomial Scrambled Bumble Bees Mating Optimization for D2D Communication in 5G Networks	Varadala Sridhar, J. Sudha Rani, M. Renuka, E. Naga Venkata Purna Chandra Rao, V. Vinay Kumar & P. Praveen Kumar	IETE Journal of Research	Oct 2023	0974-780X	SCI, WoS, Scopus	<a href="https://www.tandfonline.com/doi/full/10.1080/03772063.2023.2264248">https://www.tandfonline.com/doi/full/10.1080/03772063.2023.2264248</a>
41	2023	IC	Integrating IoT and Machine Learning for Real-Time Patient Health Monitoring with Sensor Networks	S P Vimal; M. Vadivel; V Vijaya Baskar; V G Sivakumar; C. Srinivasan	4th International Conference on Smart Electronics and Communication (ICOSEC 2023)	Oct 2023	979-8-3503-0088-8	Scopus	<a href="https://ieeexplore.ieee.org/document/10275890">https://ieeexplore.ieee.org/document/10275890</a>
42	2023	IC	Design of Trash Can Sized Satellite for Air Quality Monitoring at an Altitude of 300m Above Ground Level	Madhurima Sinha; Lakshya R; Pranitha R; Srikanth K; Kunal Raj; Vasanth K	International Conference on Circuit Power and Computing Technologies (ICCPCT 2023)	Sep 2023	979-8-3503-3324-4	Scopus	<a href="https://ieeexplore.ieee.org/document/10245113/authors#authors">https://ieeexplore.ieee.org/document/10245113/authors#authors</a>
43	2023	IC	Design of a 7 Element Yagi Uda Antenna for tracking LoRA based Satellites operating at 433MHz	Lakshya Rasaporlu; Pranitha R; Madhurima Sinha; Rehana Farheen; Sreedevi J; K Vasanth	International Conference on Circuit Power and Computing Technologies (ICCPCT 2023)	Sep 2023	979-8-3503-3324-4	Scopus	<a href="https://ieeexplore.ieee.org/document/10245024/authors#authors">https://ieeexplore.ieee.org/document/10245024/authors#authors</a>

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44	2023	IJ	Human Activity Recognition System from Different Poses with CNN	Sanju, Rajashekar. K, Dr. M. Rajendra Prasad	International Journal of All Research Education and Scientific Methods (I JARESM)	11&8/ pp. 940-944/ Aug 2023	2455-6211	UGC	<a href="http://www.ijaresm.com/uploaded_files/document_file/SanjuYdJI.pdf">http://www.ijaresm.com/uploaded_files/document_file/SanjuYdJI.pdf</a>
45	2023	IJ	Performance Evaluation of an Efficient ALU	Mary Sajin Sanju.I, M. Vadivel	Nanotechnology Perceptions	Vol. 19 & No.2/ pp.10–18/Aug 2023	1660-6795	Scopus	<a href="https://nanonntp.com/index.php/nano/article/view/234">https://nanonntp.com/index.php/nano/article/view/234</a>
46	2023	BC	An Efficient Signal Detection Technique for STBC-OFDM in Fast Fading Channel	Jyoti P. Patra, Bibhuti Bhusan Pradhan, S. Thulasi Prasad & Poonam Singh	International Conference on Computing Science, Communication and Security COMS2 2023, Computing Science, Communication and Security	Aug 2023	978-3-031-40564-8	Scopus, WoS	<a href="https://link.springer.com/chapter/10.1007/978-3-031-40564-8_1">https://link.springer.com/chapter/10.1007/978-3-031-40564-8_1</a>
47	2023	IC	Design of Mechanisms of on Board Communication in a 1U Nanosatellite	K Vasanth; Spatika Prasad; Nabeel; Tarun S; Kunal Raj; Md Akram Ahmed	8th International Conference on Communication and Electronics Systems (ICCES 2023)	Aug 2023	979-8-3503-9663-8	Scopus	<a href="https://ieeexplore.ieee.org/document/10192817/authors#authors">https://ieeexplore.ieee.org/document/10192817/authors#authors</a>
48	2023	IC	Sensor Information Transmission System Using LORA based Communication in a Nanosatellite	Syed Owais Hussain; Zaib Unnisa Nayeem; K Vasanth; S Tejaswi; L Murali; A Praveen Martin	International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI 2023)	Aug 2023	979-8-3503-1590-5	Scopus	<a href="https://ieeexplore.ieee.org/document/10199424/authors#authors">https://ieeexplore.ieee.org/document/10199424/authors#authors</a>

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49	2023	IC	A Rule based Modified Quadratic Mean for the Elimination of Outliers in Images	DVN Kameswari; K Vasanth; Rajendra Prasad M	International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI 2023)	Aug 2023	979-8-3503-1590-5	Scopus	<a href="https://ieeexplore.ieee.org/abstract/document/10199199/authors#authors">https://ieeexplore.ieee.org/abstract/document/10199199/authors#authors</a>
50	2023	IC	FPGA Implementation of Novel Lossless ECG Compression Algorithm for Low Power Devices	V Vijaya Baskar; V G Sivakumar; S P Vimal; M. Vadivel; C. Selvi	4th International Conference on Electronics and Sustainable Communication Systems (ICESC 2023)	06-08 July 2023	979-8-3503-0009-3	Scopus	<a href="https://ieeexplore.ieee.org/abstract/document/10193368/authors#authors">https://ieeexplore.ieee.org/abstract/document/10193368/authors#authors</a>





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## Publication Details - AY : 2022-23

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1	2023	IJ	Digital Video Embedding Using 2D-DWT For Video Security	Raja Kumar C, S. Satheeskumaran	International Journal of All Research Education and Scientific Methods	Vol. 11 & Issue 4/pp.2226-2231/April-2023	2455-6211	UGC	<a href="https://www.ijaresm.com/digital-video-embedding-using-2d-dwt-for-video-security">https://www.ijaresm.com/digital-video-embedding-using-2d-dwt-for-video-security</a>
2	2023	IJ	An Energy Efficient Wireless Sensor Network with Flamingo Search Algorithm Based Cluster Head Selection	Robin Abraham, M. Vadivel	Wireless Personal Communications	Vol.130 /1503–1525/ April 2023	1572-834X	SCI, WoS, Scopus	<a href="https://link.springer.com/article/10.1007/s11277-023-10342-2#:~:text=Then%2C%20the%20Flamingo%20Search%20Algorithm,selection%20at%20complex%20network%">https://link.springer.com/article/10.1007/s11277-023-10342-2#:~:text=Then%2C%20the%20Flamingo%20Search%20Algorithm,selection%20at%20complex%20network%</a>
3	2023	IJ	Energy efficient target tracking in wireless sensor network using PF-SVM (particle filter-support vector machine) technique	K. Reddy Madhavi a, Mohd Nasrun Mohd Nawi b, B. Bhaskar Reddy c, K. Baboji d, Kakarla Hari Kishore e, S.V. Manikanthan f	Measurement: Sensors	Vol. 26/ Apr 2023	2665-9174	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S266591742300003X">https://www.sciencedirect.com/science/article/pii/S266591742300003X</a>

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4	2023	IC	Internet based Defence Surveillance Robot to Prevent Intruder Activities and Auto Combat System using SONAR Technology	M. Vadivel; S.P. Vimal; V. G. Sivakumar; V. Vijaya Baskar; M. Selvi	International Conference on Innovative Data Communication Technologies and Application (ICIDCA 2023)	1055-1059/14-15 March 2023	979-8-3503-9720-8	Scopus	<a href="https://ieeexplore.ieee.org/document/10099690/authors#authors">https://ieeexplore.ieee.org/document/10099690/authors#authors</a>
5	2023	IC	Investigation of Fuzzy and SOM based Segmentation of High-Resolution Satellite Images in HSL Color Space for Information Retrieval	P Ganesan; B. S. Sathish; L. M. I. Leo Joseph; R. Murugesan; G Sajiv; A. Akilandeswari; M. Gnanaprakash	9th International Conference on Advanced Computing and Communication Systems (ICACCS 2023)	420-425/17-18 March 2023	979-8-3503-9737-6	Scopus	<a href="https://ieeexplore.ieee.org/abstract/document/10112963/authors#authors">https://ieeexplore.ieee.org/abstract/document/10112963/authors#authors</a>
6	2023	IC	HSV Model based Skin Color Segmentation using Uncomplicated Threshold and Logical AND Operation	P Ganesan; B. S. Sathish; L. M. I. Leo Joseph; G. Sajiv; R. Murugesan; A. Akilandeswari, S. Gomathi	9th International Conference on Advanced Computing and Communication Systems (ICACCS 2023)	415-419/17-18 March 2023	979-8-3503-9737-6	Scopus	<a href="https://ieeexplore.ieee.org/document/10112992/authors#authors">https://ieeexplore.ieee.org/document/10112992/authors#authors</a>
7	2023	IJ	Brain image fusion-based tumour detection using grey level co-occurrence matrix Tamura feature extraction with backpropagation network classification	R. Bhavani, K. Vasanth	Mathematical Biosciences and Engineering	20&5/8727-8744/March 2023	1551-0018	SCI,WoS,Scopus	<a href="https://www.aimspress.com/article/doi/10.3934/mbe.2023383">https://www.aimspress.com/article/doi/10.3934/mbe.2023383</a>

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8	2023	IC	Low Complexity Signal Detection Technique for SFBC-OFDM Systems	Jyoti P. Patra; Bijaya Kumar Muni; Bibhuti Bhusan Pradhan; S. Thulasi Prasad	11th International Conference on Internet of Everything, Microwave Engineering, Communication and Networks (IEMECON 2023)	/ 10-11 February 2023	978-1-6654-7512-9	Scopus	<a href="https://ieeexplore.ieee.org/document/10092336/authors">https://ieeexplore.ieee.org/document/10092336/authors</a>
9	2023	IJ	Brain Tumor Stages Prediction using FMS-DLNN Classifier and Automatic RPO-RG Segmentation	R. Sakthi Prabha, M. Vadivel	SSRG International Journal of Electrical and Electronics Engineering	Volume 10/ Issue 2/ 110-121/ February 2023	2348-8379	Scopus	<a href="https://www.internationaljournalssrg.org/IJEEE/paper-details?Id=449">https://www.internationaljournalssrg.org/IJEEE/paper-details?Id=449</a>
10	2023	IJ	Circularly Polarized Antenna for C and X-Band Applications using Characteristic Mode Analysis	Vamshi Kollipara, V. Siva Nagaraju, M. Krishnaiah, M. Thirupathi, A. Ushasree, Naluguru Udaya Kumar, Samineni Peddakrishna	SSRG International Journal of Electrical and Electronics Engineering	Vol. 10 & 2 / 196-206/ February 2023	2348-8379	Scopus	<a href="https://www.internationaljournalssrg.org/IJEEE/2023/Volume10-Issue2/IJEEE-V10I2P118.pdf">https://www.internationaljournalssrg.org/IJEEE/2023/Volume10-Issue2/IJEEE-V10I2P118.pdf</a>
11	2023	IJ	AN EFFICIENT VLSI DESIGN AND IMPLEMENTATION OF LFSR BASED HYBRID CRYPTOGRAPHY ALGORITHM	G.RAVI KUMAR, SANTHI PRIYA	INTERNATIONAL JOURNAL OF FOOD AND NUTRITIONAL SCIENCES	Vol. 12 & Iss 1/pp.514-521/ Jan 2023	2320-7876	UGC	<a href="https://ijfans.org/issue-content/an-efficient-vlsi-design-and-implementation-of-lfsr-based-hybrid-cryptography-algorithm-3021">https://ijfans.org/issue-content/an-efficient-vlsi-design-and-implementation-of-lfsr-based-hybrid-cryptography-algorithm-3021</a>

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12	2023	IJ	CARRY SKIP ADDER USING REVERSIBLE LOGIC GATES	Shivunoori Gayathri, Shuvanka Maji	International Journal of Creative Research Thoughts (IJCRT)	11 & 1 /a681-a692/Jan 2023	2320-2882	UGC	<a href="https://ijcrt.org/viewfull.php?p_id=IJCRT2301086">https://ijcrt.org/viewfull.php?p_id=IJCRT2301086</a>
13	2023	IC	Defect detection and recognition of SS plate using deep autoencoder neural network	V. Elanangai; K Vasanth	International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF 2023)	/05-07 January 2023	979-8-3503-3436-4	Scopus	<a href="https://ieeexplore.ieee.org/document/10083834/authors#authors">https://ieeexplore.ieee.org/document/10083834/authors#authors</a>
14	2023	IJ	Multivariate Aggregated NOMA for Resource Aware Wireless Network Communication Security	Sridhar, V., Ranga Rao, K.V., Hussain, S., Abdelhaq, M., Alsaqour, R.	Computers, Materials and Continua	74&1/1693-1708/Jan 2023	1546-2226	SCI, WoS, Scopus	<a href="https://file.techscience.com/ueeditor/files/cmc/TSP_CMC-74-1/TSP_CMC_28129/TSP_CMC_28129.pdf">https://file.techscience.com/ueeditor/files/cmc/TSP_CMC-74-1/TSP_CMC_28129/TSP_CMC_28129.pdf</a>
15	2022	IC	Hybrid Energy Efficient Fuzzy C-Means with Bear Smell Search Algorithm in Wireless Sensor Networks	Robin Abraham; M. Vadivel	5th International Conference on Computational Intelligence and Networks (CINE 2022)	/ 1-3 Dec 2022	978-1-6654-6465-9	Scopus	<a href="https://ieeexplore.ieee.org/document/10037352/authors#authors">https://ieeexplore.ieee.org/document/10037352/authors#authors</a>

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16	2022	IC	Machine learning based metal surface roughness estimation in infrared images	K. Vasanth , V. Elanangai , Arulananth T.S. , K. Thyagarajan	5th International Conference on Advancements in Materials and Manufacturing 2022 (ICAAMM-2022)	420-425/ 16-17 December 2022	2214-7853	Scopus	<a href="https://www.sciencedirect.com/science/article/abs/pii/S2214785323014402">https://www.sciencedirect.com/science/article/abs/pii/S2214785323014402</a>
17	2022	IC	Feature Identification based Automatic Sign and Photo Detection in a Document	Pothula Venkata Sai Krithik; Madabhushi Tirumala Adarsh Raghavan; Kundeti Sai Pratyusha; Vasanth K.	4th International Conference on Inventive Research in Computing Applications (ICIRCA 2022)	Dec 2022	978-1-6654-9707-7	Scopus	<a href="https://ieeexplore.ieee.org/document/9985741/authors#authors">https://ieeexplore.ieee.org/document/9985741/authors#authors</a>
18	2022	IJ	Electronically Tunable Multifunction Current Mode Filter Employing Grounded Capacitors	Rani Fathima, Sridevionmalar Perumal, Vadivel Muniyappan, Mohammad Faseehuddin, Worapong Tangsrirat	Journal of Microelectronics, Electronic Components and Materials	Vol. 52 & No. 4/ 205 – 214/Dec 2022	2232-6979	WoS, Scopus	<a href="https://ojs.midem-drustvo.si/index.php/InfMIDEM/article/view/1360">https://ojs.midem-drustvo.si/index.php/InfMIDEM/article/view/1360</a>
19	2022	IC	Design and Analysis of Flexible 2-Port MIMO Antenna with Reflector Ground for WLAN Applications	Elizabeth M Ribitha; M Vadivel	International Conference on Intelligent Innovations in Engineering and Technology (ICIET 2022)	250-254/ Dec 2022	978-1-6654-5653-1	Scopus	<a href="https://ieeexplore.ieee.org/document/9967524/authors#authors">https://ieeexplore.ieee.org/document/9967524/authors#authors</a>

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20	2022	IC	45nm Technology based 8-Bit Data Comparator Architecture for Rank ordering Image Applications	G. Mounika; K Vasanth	International Conference on Edge Computing and Applications (ICECAA 2022)	Nov 2022	978-1-6654-8232-5	Scopus	<a href="https://ieeexplore.ieee.org/document/9936306/authors#authors">https://ieeexplore.ieee.org/document/9936306/authors#authors</a>
21	2022	IC	Modified Geometric Mean as an Estimator of Outlier based Artifacts in Natural Images	B Navya; J Sridevi; K. Vasanth	3rd International Conference on Smart Electronics and Communication (ICOSEC 2022)	1095-1102/ Nov 2022	978-1-6654-9764-0	Scopus	<a href="https://ieeexplore.ieee.org/document/9951924/authors">https://ieeexplore.ieee.org/document/9951924/authors</a>
22	2022	IJ	Ternary D-Latch Logic Implementation using Graphene Nano Ribbon Field Effect Transistor	Vydy Ram Prasad, G Ravi Kishore	International Journal of Creative Research Thoughts (IJCRT)	10 & 11 /a201-a207/Nov 2022	2320-2882	UGC	<a href="https://ijcrt.org/papers/IJCR T2211023.pdf">https://ijcrt.org/papers/IJCR T2211023.pdf</a>
23	2022	IC	R-CNN Based Brain Tumor Segmentation Using MRI Images	R. Sakthi Prabha; M. Vadivel	International Conference on Futuristic Technologies (INCOFT 2022)	25-27 November 2022	978-1-6654-5046-1	Scopus	<a href="https://ieeexplore.ieee.org/abstract/document/10094426">https://ieeexplore.ieee.org/abstract/document/10094426</a>
24	2022	IJ	An automated steel plates fault diagnosis system using adaptive faster region convolutional neural network	Elanangai V, Vasanth K	Journal of Intelligent & Fuzzy Systems	Vol. 43 & 6 / 7067-7079/ Nov 2022	1875-8967	SCI, WoS	<a href="https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs213031">https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs213031</a>
25	2022	IJ	SMART HEALTH MONITORING SYSTEM USING ESP8236	Jangala Eshwari, Dr.Vadivel,	The International journal of analytical and experimental modal analysis(IJAEMA)	XIV&X/652-655/OCT 2022	0886-9367	UGC	<a href="https://drive.google.com/file/d/1UZouEq7pvstzKkvAS2I8miKG5EetYRjY/view">https://drive.google.com/file/d/1UZouEq7pvstzKkvAS2I8miKG5EetYRjY/view</a>
26	2022	IC	Micro calcification detection in digital mammograms using deep learning approaches	MC Shanker, M Vadivel	AIP Conference Proceedings	2519&1/030086-1 to 030086-9/Oct 2022	978-0-7354-4204-7	WoS, Scopus	<a href="https://pubs.aip.org/aip/acp/article/2519/1/030086/2828659/Micro-calcification-detection-in-digital">https://pubs.aip.org/aip/acp/article/2519/1/030086/2828659/Micro-calcification-detection-in-digital</a>

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27	2022	IC	An automatic parallelization ubiquitous machine learning accelerator on FPGA	V Vijaya Baskar, VG Sivakumar, SP Vimal, M Vadivel	AIP Conference Proceedings	2519&1/030048-1 to 030048-6/Oct 2022	978-0-7354-4204-7	WoS, Scopus	<a href="https://pubs.aip.org/aip/acp/article/2519/1/030048/282793/6/An-automatic-parallelization-ubiquitous-machine">https://pubs.aip.org/aip/acp/article/2519/1/030048/282793/6/An-automatic-parallelization-ubiquitous-machine</a>
28	2022	IC	VLSI presents a cost-effective micro control module with an asymmetric wireless body sensor network protection	M. Vadivel, V. Vijaya Baskar, V. G Sivakumar, and S. P Vimal	AIP Conference Proceedings	2519&1/050004-1 to 050004-6/Oct 2022	978-0-7354-4204-7	WoS, Scopus	<a href="https://pubs.aip.org/aip/acp/article/2519/1/050004/282850/8/VLSI-presents-a-cost-effective-micro-control">https://pubs.aip.org/aip/acp/article/2519/1/050004/282850/8/VLSI-presents-a-cost-effective-micro-control</a>
29	2022	IC	High-speed deep learning low power and stochastic computation for on FPGA	S. P. Vimal, M. Vadivel, V. Vijaya Baskar, V. G. Sivakumar	AIP Conference Proceedings	2519&1/030052-1 to 030052-6/Oct 2022	978-0-7354-4204-7	WoS, Scopus	<a href="https://pubs.aip.org/aip/acp/article/2519/1/030052/282816/6/High-speed-deep-learning-low-power-and-stochastic">https://pubs.aip.org/aip/acp/article/2519/1/030052/282816/6/High-speed-deep-learning-low-power-and-stochastic</a>
30	2022	IC	FPGA based efficiency improvement of renewable integrated power system using advance power tracking algorithm	V. G. Sivakumar, S. P. Vimal, M. Vadivel, V. Vijaya Baskar	AIP Conference Proceedings	2519&1/050005-1 to 050005-6/Oct 2022	978-0-7354-4204-7	WoS, Scopus	<a href="https://pubs.aip.org/aip/acp/article/2519/1/050005/282850/6/FPGA-based-efficiency-improvement-of-renewable">https://pubs.aip.org/aip/acp/article/2519/1/050005/282850/6/FPGA-based-efficiency-improvement-of-renewable</a>
31	2022	IJ	Micro-Calcification Classification Analysis in Mammogram Images with Aid of Hybrid Technique Analysis	M. C. Shanker & M. Vadivel	Wireless Personal Communications	128/1287-1307/Oct 2022	1572-834X	SCI, WoS, Scopus	<a href="https://link.springer.com/article/10.1007/s11277-022-10000-z">https://link.springer.com/article/10.1007/s11277-022-10000-z</a>
32	2022	IJ	Light-Weight Clustered Trust Sensing Mechanism for Internet of Things Network	Rajendra Prasad M., Krishna Reddy D.	IETE Journal of Research	Oct 2022	0377-2063	SCI, WoS, Scopus	<a href="https://www.tandfonline.com/doi/epdf/10.1080/03772063.2022.2130449?needAccess=true&amp;role=button">https://www.tandfonline.com/doi/epdf/10.1080/03772063.2022.2130449?needAccess=true&amp;role=button</a>
33	2022	IJ	Image Processing Based Smart and Secured Intelligent Traffic Safety and Efficiency System	Maddishetty Saikiran, C. Raja Kumar	Journal of Interdisciplinary Cycle Research	XIV & V /232-236/ Oct 2022	0022-1945	UGC	<a href="https://drive.google.com/file/d/1iKWAGr7WMLU4CFF56WmJn355_gCkeszU/view">https://drive.google.com/file/d/1iKWAGr7WMLU4CFF56WmJn355_gCkeszU/view</a>

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34	2022	IJ	Plant Pest detection and Control using Image Processing for Agriculture application	B.TRIVENI, G.NAGENDRA	Journal of Interdisciplinary Cycle Research	XIV & V /227-231/ Oct 2022	0022-1945	UGC	<a href="http://www.zkginternational.com/archive/volume6/Plant-Pest-detection-and-Control-using-Image-Processing-for-Agriculture-application.pdf">http://www.zkginternational.com/archive/volume6/Plant-Pest-detection-and-Control-using-Image-Processing-for-Agriculture-application.pdf</a>
35	2022	IJ	Area Efficient Approximate Multiplier using 5:2 Compressors	L . Sravani, K . Baboji	Journal of Interdisciplinary Cycle Research	XIV & V /237-241/ Oct 2022	0022-1945	UGC	<a href="http://www.zkginternational.com/archive/volume6/Area-Efficient-Approximate-Multiplier-using-5-2-Compressors.pdf">http://www.zkginternational.com/archive/volume6/Area-Efficient-Approximate-Multiplier-using-5-2-Compressors.pdf</a>
36	2022	IJ	ANN BASED ACTION RECOGNITION BY FACIAL EXPRESSIONS	K.Srujana, Ganesan P	The International journal of analytical and experimental modal analysis	XIV & X /525-531/ Oct 2022	0886-9367	UGC	<a href="https://drive.google.com/file/d/18CbOC7hFpWV0T0i-Ewaj6JNKZ9IMNWHt/view">https://drive.google.com/file/d/18CbOC7hFpWV0T0i-Ewaj6JNKZ9IMNWHt/view</a>
37	2022	IJ	Anti-Theft Automobile Security system based on IOT Technique	Kotagiri Shivani, S. Tulsi Prasad, Jyoti P. Patra	The International journal of analytical and experimental modal analysis	XIV & X /550-554/ Oct 2022	0886-9367	UGC	<a href="https://drive.google.com/file/d/1cGjDl8qQdrv-YmUxrn1Z0BYP7az20U_G/view">https://drive.google.com/file/d/1cGjDl8qQdrv-YmUxrn1Z0BYP7az20U_G/view</a>
38	2022	IJ	Smart Parking Android Application for Vehicles Using IoT	Abhilash Reddy Kodiganti, V.G.Siva Kumar	The International journal of analytical and experimental modal analysis	XIV & X /643-651/ Oct 2022	0886-9367	UGC	<a href="https://drive.google.com/file/d/1rmGWyIKZO3kTu6FcofA6-Doxg3eKtA6M/view">https://drive.google.com/file/d/1rmGWyIKZO3kTu6FcofA6-Doxg3eKtA6M/view</a>
39	2022	IJ	NOMA based AdequateResourceful systemwith OPC for D2D	Buyyaker Tarun Kumar, M. Rajendra prasad	The International journal of analytical and experimental modal analysis	XIV & X /532-537/ Oct 2022	0886-9367	UGC	<a href="https://drive.google.com/file/d/1gnlMzQ3wwky1i-9QBKJWjwOCBM8OUcGL/view">https://drive.google.com/file/d/1gnlMzQ3wwky1i-9QBKJWjwOCBM8OUcGL/view</a>
40	2022	IJ	A MULTI SPECTRAL IMAGE FUSION TECHNIQUES FOR MEDICAL APPLICATIONS	SRIRAM SHYULAVARDHANI , S.PRADEEP KUMAR REDDY	The International journal of analytical and experimental modal analysis	XIV & X /427-445/ Oct 2022	0886-9367	UGC	<a href="https://drive.google.com/file/d/1ImkAi5Lj4vwJ3gtF_zoE_F8D9BW_K4ya7/view">https://drive.google.com/file/d/1ImkAi5Lj4vwJ3gtF_zoE_F8D9BW_K4ya7/view</a>



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41	2022	IC	An Efficient Dual Stage Compressor for High Speed VLSI Applications	I Mary Sajin Sanju; M Vadivel; N Mathan	3rd International Conference on Electronics and Sustainable Communication Systems (ICESC 2022)	Sep 2022	978-1-6654-7971-4	Scopus	<a href="https://ieeexplore.ieee.org/document/9885500/authors#authors">https://ieeexplore.ieee.org/document/9885500/authors#authors</a>
42	2022	IJ	An effective latent fingerprint enhancement and recognition system using dictionary learning and LCPnet mechanisms	R.Jhansi Rani, K. Vasanth	Journal of Intelligent & Fuzzy Systems	43&5/6093-6108/ Sep 2022	1875-8967	SCI, WoS, Scopus	<a href="https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs220056">https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs220056</a>
43	2022	IJ	Performance evaluation of multi-channel electroencephalogram signal (EEG) based time frequency analysis for human emotion recognition	Kalyani P.Wagha, K.Vasanth	Biomedical Signal Processing and Control	78/ Sep 2022	1746-8094	SCI, WoS, Scopus	<a href="https://www.sciencedirect.com/science/article/abs/pii/S1746809422004657">https://www.sciencedirect.com/science/article/abs/pii/S1746809422004657</a>
44	2022	IJ	Hybrid Transfer Learning of Mammogram Images for Screening of Micro-Calcifications	M. C. Shanker, M. Vadivel	International Journal of Electrical and Electronics Engineering	9&8/40-47/Aug 2022	2348 – 8379	Scopus	<a href="https://www.internationaljournalssrg.org/IJEEE/2022/Volume9-Issue8/IJEEE-V9I8P105.pdf">https://www.internationaljournalssrg.org/IJEEE/2022/Volume9-Issue8/IJEEE-V9I8P105.pdf</a>
45	2022	IJ	Occlusion Robust Depth Estimation from Binocular Stereo Video	Ahmed Bin Zubair , Dr. Maznu Shaik	Mathematical Statistician and Engineering Applications	71 & 4/ 5451-5463/ Aug 2022	2094-0343	Scopus	<a href="https://www.philstat.org.php/index.php/MSEA/article/view/1132/688">https://www.philstat.org.php/index.php/MSEA/article/view/1132/688</a>
46	2022	IJ	Enhanced convnet based Latent Finger Print Recognition	Rani R.J., Vasanth K.	International Journal of Electrical and Computer Engineering Systems	13&5/331-337/ Jul 2022	1847-6996	Scopus, WoS	<a href="https://ijeces.ferit.hr/index.php/ijeces/article/view/861/172">https://ijeces.ferit.hr/index.php/ijeces/article/view/861/172</a>

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47	2022	IJ	Low energy, long sustainable and high-speed FIR filter based on truncated multiplier with SCG-HSCG adder	Penchalaiah U., Siva Kumar V.G.	Materials Today: Proceedings	62&2/ 504-511/ Jun 2022	2214-7853	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785321082572?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S2214785321082572?via%3Dihub</a>
48	2022	IJ	Guest editorial: Hyperscale computing for edge of things and pervasive intelligence	Rajakumar Chellappan , Chow Chee Onn , Danilo Pelusi	International Journal of Pervasive Computing and Communications	Vol. 18 & 3/ 269-271/ Jun 2022	1742-7371	Scopus	<a href="https://www.emerald.com/insight/content/doi/10.1108/IJ-PCC-07-2022-315/full/html">https://www.emerald.com/insight/content/doi/10.1108/IJ-PCC-07-2022-315/full/html</a>
49	2022	IJ	Classification of brain tumor using a multistage approach based on RELM and MLBP	R. Bhavani, K.Vasanth	EAI Endorsed Transactions on Pervasive Health and Technology	8&4/1-7/June 2022	2411-7145	Scopus	<a href="https://eudl.eu/pdf/10.4108/etpht.v8i4.3082">https://eudl.eu/pdf/10.4108/etpht.v8i4.3082</a>
50	2022	IJ	Design and Implementation of Low Power and Area Efficient Architecture for High Performance ALU	Usthulamuri Penchalaiah and V. G. Siva Kumar	Parallel Processing Letters	32 & 01n02 /Mar & Jun 2022	1793-642X	SCI, Scopus, WoS	<a href="https://www.worldscientific.com/doi/10.1142/S0129626421500171">https://www.worldscientific.com/doi/10.1142/S0129626421500171</a>



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## Publication Details - AY : 2021-22

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1	2022	IC	Leakage Power, Current and Delay Analysis of Stack ONOFIC Based CMOS Circuits	K. Rajashekhar; Kiladibaboji; K. Mohana Leela	International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI 2022)	Apr 2022	978-1-6654-9529-5	Scopus	<a href="https://ieeexplore.ieee.org/document/9752544/authors#authors">https://ieeexplore.ieee.org/document/9752544/authors#authors</a>
2	2022	IC	Resource Aware Energy Efficiency Optimization by using 6G Technology based Advanced Virtual multi purpose Embedding Algorithm	G. SaiDivya; Varadala Sridhar; K.V. Ranga Rao; Ch. Ashwini	International Conference on Communication Systems and Network Technologies (CSNT-2022)	Apr 2022	978-1-6654-8038-3	Scopus	<a href="https://ieeexplore.ieee.org/abstract/document/9787614/authors#authors">https://ieeexplore.ieee.org/abstract/document/9787614/authors#authors</a>
3	2022	IC	Internet of Things (IoT) based Comprehensive testing of 5G network for Specific Absorption Rate (SAR)	Swathi Dasi, Yerram Srinivas, M. Vadivel, Rabinarayan Satpathy, Bibhuti Bhusan Dash	International Conference on Electronics and Renewable Systems (ICEARS 2022)	Mar 2022	978-1-6654-8425-1	Scopus	<a href="https://ieeexplore.ieee.org/document/9751967/authors#authors">https://ieeexplore.ieee.org/document/9751967/authors#authors</a>

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4	2022	IC	An Efficient technique for identifying defects in Stainless Steel(SS) plate using image procesing	V. Elanangai; K. Vasanth	8th International Conference on Advanced Computing and Communication Systems(ICACCS 2022)	Mar 2022	978-1-6654-0816-5	Scopus	<a href="https://ieeexplore.ieee.org/document/9784982/authors#authors">https://ieeexplore.ieee.org/document/9784982/authors#authors</a>
5	2022	IC	Weighted Hybrid Machine Learning Algorithm to predict Rainfall for Hyderabad Region	Vasanth Kishorebabu, Sai Krithik P V, Adarsh Raghavan M T and Sai Pratyusha K	International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI -2022)	Apr 2022	978-1-6654-9529-5	Scopus	<a href="https://ieeexplore.ieee.org/document/9752489/authors#authors">https://ieeexplore.ieee.org/document/9752489/authors#authors</a>
6	2022	BC	Classification of EEG Signal Based on DTCWT and Neural Network Classifier	Manpreet Kaur, M. Sugadev, Harpreet Kaur & V. G. Siva Kumar	Innovations in Electronics and Communication Engineering, Lecture Notes in Networks and Systems	Vol. 355/ 293–302/ Mar 2022	978-981-16-8512-5	Scopus, WoS	<a href="https://link.springer.com/chapter/10.1007/978-981-16-8512-5_32">https://link.springer.com/chapter/10.1007/978-981-16-8512-5_32</a>
7	2022	IJ	A Machine Learning-Based Intelligence Approach for Multiple-Input/Multiple-Output Routing in Wireless Sensor Networks	Sridhar, V., Ranga Rao, K.V., Vinay Kumar, V., Mukred, M., Ullah, S.S., Alsalman, H.	Mathematical Problems in Engineering	Vol. 2022/ SI/1-13/Jan 2022	1024-123X	Scopus	<a href="https://www.hindawi.com/journals/mpe/2022/6391678/">https://www.hindawi.com/journals/mpe/2022/6391678/</a>
8	2022	IJ	EMOTION RECOGNITION BASED ON EEG FEATURES WITH VARIOUS BRAIN REGIONS	Kalyani P. Wagh, K.Vasanth, Sagar B. Shinde	Indian Journal of Computer Science and Engineering (IJCSE)	Vol. 13 & No. 1/108-115 / Jan-Feb 2022	0976-5166	Scopus	<a href="http://www.ijcse.com/docs/INDJCSE22-13-01-095.pdf">http://www.ijcse.com/docs/INDJCSE22-13-01-095.pdf</a>

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9	2022	IJ	EEG BASED EMOTIONAL STATE RECOGNITION USING TIME FREQUENCY PARAMETERS	Kalyani P. Wagh, K.Vasanth, Sagar B. Shinde	HARBIN GONGYE DAXUE XUEBAO/JOURNAL OF HARBIN INSTITUTE OF TECHNOLOGY	VOL. 54 & NO. 1 /101-109/Jan 2022	0367-6234	Wos, Scopus	<a href="http://hebgydxxb.periodicales.com/index.php/JHIT/article/view/806">http://hebgydxxb.periodicales.com/index.php/JHIT/article/view/806</a>
10	2022	BC	A Non-negative Matrix Factorization for IVUS Image Classification Using Various Kernels of SVM	S. P. Vimal, M. Vadivel, V. Vijaya Baskar & V. G. Sivakumar	Recent Advances in Internet of Things and Machine Learning. Intelligent Systems Reference Library	Vol. 215/ 211-215/ Jan 2022	978-3-030-90119-6	Wos, Scopus	<a href="https://link.springer.com/chapter/10.1007/978-3-030-90119-6_16">https://link.springer.com/chapter/10.1007/978-3-030-90119-6_16</a>
11	2022	BC	Deep Learning Analysis for COVID 19 Using Neural Network Algorithms	V. Vijaya Baskar, V. G. Sivakumar, S. P. Vimal & M. Vadivel	Recent Advances in Internet of Things and Machine Learning. Intelligent Systems Reference Library	Vol. 215/ 103-110/ Jan 2022	978-3-030-90119-6	Wos, Scopus	<a href="https://link.springer.com/chapter/10.1007/978-3-030-90119-6_8">https://link.springer.com/chapter/10.1007/978-3-030-90119-6_8</a>
12	2022	BC	Novel Approach to Monitor the Respiratory Rate for Asthma Patients	V. G. Sivakumar, S. P. Vimal, M. Vadivel & V. Vijaya Baskar	Recent Advances in Internet of Things and Machine Learning. Intelligent Systems Reference Library	Vol. 215/ 217-223/ Jan 2022	978-3-030-90119-6	Wos, Scopus	<a href="https://link.springer.com/chapter/10.1007/978-3-030-90119-6_17">https://link.springer.com/chapter/10.1007/978-3-030-90119-6_17</a>
13	2021	IJ	Estimation of Metal Surface Roughness in Infrared Thermal Imaging Using Machine Learning	V. Elanangai, K.Vasanth	Design Engineering	9 /12956 - 12967 / Dec 2021	0011-9342	UGC	<a href="http://thedesigneengineering.com/index.php/DE/article/view/8424">http://thedesigneengineering.com/index.php/DE/article/view/8424</a>
14	2021	IJ	Rand Shift: Energy Efficient Fault Tolerant Method in Memory System	M Mukesh Dr. S. Tulasi Prasad	Design Engineering	8 /15656-15663/ Nov 2021	0011-9342	UGC	<a href="https://www.thedesigneengineering.com/index.php/DE/article/view/6699">https://www.thedesigneengineering.com/index.php/DE/article/view/6699</a>

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15	2021	IC	Parking tracking system using Raspberry Pi	PujariVaibhav, P Ganesan	International Conference on Electronics , communications and Aerospace technology – ICECA - 2021	2-4 Dec 2021	978-1-6654-3523-9	Scopus	<a href="https://ieeexplore.ieee.org/document/9675955/authors#authors">https://ieeexplore.ieee.org/document/9675955/authors#authors</a>
16	2021	IC	Crop Disease Recognition in Smart Farming Using Deep learningModel	K.Aiyswarya, VG Sivakumar	International Conference on Electronics , communications and Aerospace technology – ICECA - 2021	2-4 Dec 2021	978-1-6654-3523-9	Scopus	<a href="https://ieeexplore.ieee.org/document/9676136/authors#authors">https://ieeexplore.ieee.org/document/9676136/authors#authors</a>
17	2021	IC	Sketch face recognition using Deep learning	Rubeena, E. Kavitha	International Conference on Electronics , communications and Aerospace technology – ICECA - 2021	2-4 Dec 2021	978-1-6654-3523-9	Scopus	<a href="https://ieeexplore.ieee.org/document/9676049/authors#authors">https://ieeexplore.ieee.org/document/9676049/authors#authors</a>
18	2021	IC	Green House System Design Using IOT	Patan Naveen Khan, Lakshmi LokeshKarna	International Conference on Electronics , communications and Aerospace technology – ICECA - 2021	2-4 Dec 2021	978-1-6654-3523-9	Scopus	<a href="https://ieeexplore.ieee.org/document/9676064/authors#authors">https://ieeexplore.ieee.org/document/9676064/authors#authors</a>
19	2021	IC	Diaper Wetness Detection based on sensor and using IOT	K Naveen Kumar, Sridevi J	International Conference on Electronics , communications and Aerospace technology – ICECA - 2021	2-4 Dec 2021	978-1-6654-3523-9	Scopus	<a href="https://ieeexplore.ieee.org/document/9675889/authors#authors">https://ieeexplore.ieee.org/document/9675889/authors#authors</a>
20	2021	IC	Design of three valued logic D Latch using GNR FET	V Vijya Sree Swarupa, G.RaviKishore	International Conference on Innovations in power and advanced computing technologies- iPACT- 2021	27-29 Nov 2021	978-1-6654-2690-9	Scopus	<a href="https://ieeexplore.ieee.org/document/9696589/authors#authors">https://ieeexplore.ieee.org/document/9696589/authors#authors</a>

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21	2021	IC	Analytical Study of CNTFET using ternary logic gate an improved impact of power and Delay	V Vijya Sree Swarupa, G.RaviKishore	International Conference on Innovations in power and advanced computing technologies- iPACT-2021	27-29 Nov 2021	978-1-6654-2690-9	Scopus	<a href="https://ieeexplore.ieee.org/document/9696704/authors#authors">https://ieeexplore.ieee.org/document/9696704/authors#authors</a>
22	2021	IC	Real Time Rainfall prediction for Hyderabad region using Machine learning Approach	P V Sai Krithik, M T Adarsh Raghavan, Sai Pratyusha K, K.Vasanth	International Conference on Innovations in power and advanced computing technologies- iPACT-2021	27-29 Nov 2021	978-1-6654-2690-9	Scopus	<a href="https://ieeexplore.ieee.org/document/9697017/authors#authors">https://ieeexplore.ieee.org/document/9697017/authors#authors</a>
23	2021	IC	The Channel as a Traffic Acoustic and inertial sensors transport vehicle finding and distribution based on CSI	P.S.V. Sai Santhosh; Shaik Mazunu; G. Nagendra	International Conference on Smart Generation computing computing communication and networking – SMARTGENCON -21	Dec 2021	978-1-6654-2503-2	Scopus	<a href="https://ieeexplore.ieee.org/document/9645893/authors#authors">https://ieeexplore.ieee.org/document/9645893/authors#authors</a>
24	2021	IC	Using Wearable IoT Devices to Analyze Healthcare Data for Human Activity Recognition	Sri Laxmi, Pradeep kumar	International Conference on Electronics , communications and Aerospace technology – ICECA - 2021	2-4 Dec 2021	978-1-6654-3523-9	Scopus	<a href="https://ieeexplore.ieee.org/document/9676006/authors#authors">https://ieeexplore.ieee.org/document/9676006/authors#authors</a>
25	2021	IC	Fusion of Medical Images for Better Quality	C H V Krishna Rasagnya, C Rajah Kumar	International conference on Innovative computing, Intelligent communication and Electrical System- ICSES 2021	24-25 Sep 2021	978-1-6654-3520-8	Scopus	<a href="https://ieeexplore.ieee.org/document/9633783/authors#authors">https://ieeexplore.ieee.org/document/9633783/authors#authors</a>

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26	2021	IC	Effectuation of Machine Learning for Fault Classification on Vehicle Power Transmission System	K.R.Vinisha, E Kalpana	International conference on Innovative computing, Intelligent communication and Electrical System- ICSES 2021	24-25 Sep 2021	978-1-6654-3520-8	Scopus	<a href="https://ieeexplore.ieee.org/document/9633852/authors#authors">https://ieeexplore.ieee.org/document/9633852/authors#authors</a>
27	2021	IC	Design and Analysis of First order Sigma-Delta Modulator Based on Switched Capacitor Integrator (130nm)	Mikhili MuraliKrishna, M.Vadivel	International conference on Innovative computing, Intelligent communication and Electrical System- ICSES 2021	24-25 Sep 2021	978-1-6654-3520-8	Scopus	<a href="https://ieeexplore.ieee.org/document/9633907/authors#authors">https://ieeexplore.ieee.org/document/9633907/authors#authors</a>
28	2021	IC	Monitoring of Food Grains on a smart container using IOT	Madhuri N, K. Vasanth	International conference on Innovative computing, Intelligent communication and Electrical System- ICSES 2021	24-25 Sep 2021	978-1-6654-3520-8	Scopus	<a href="https://ieeexplore.ieee.org/document/9633873/authors#authors">https://ieeexplore.ieee.org/document/9633873/authors#authors</a>
29	2021	IC	Low Power VLSI Architecture for Data Comparators for Non Linear Imaging Applications	Sowmya K, K.Vasanth	International conference on Innovative computing, Intelligent communication and Electrical System- ICSES 2021	24-25 Sep 2021	978-1-6654-3520-8	Scopus	<a href="https://ieeexplore.ieee.org/document/9633860/authors#authors">https://ieeexplore.ieee.org/document/9633860/authors#authors</a>
30	2021	IC	Wearable Device for Commuting Ladies Using IoT	K.Vasanth, GPoralla Pradhyumna, Shivani Peram,Pradeep Kumar Reddy, Tarun dandetikar and Ravi C N	International conference on Innovative computing, Intelligent communication and Electrical System- ICSES 2021	24-25 Sep 2021	978-1-6654-3520-8	Scopus	<a href="https://ieeexplore.ieee.org/document/9633946/authors#authors">https://ieeexplore.ieee.org/document/9633946/authors#authors</a>



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31	2021	IC	Performance evaluation of stainless steel plate defects using deep learning approach	V. Elanangai Dr.K. Vasanth	International conference on Innovative computing, Intelligent communication and Electrical System- ICSES 2021	24-25 Sep 2021	978-1-6654-3520-8	Scopus	<a href="https://ieeexplore.ieee.org/document/9633943/authors#authors">https://ieeexplore.ieee.org/document/9633943/authors#authors</a>
32	2021	IC	Pipelined Shapiro Sorting for Image Applications	Sowmya K, K.Vasanth	International conference on advances in Signal processing VLSI, Communication and Embedded Systems ICSVCE -2021	Proc. 2407/020001-1-020001-7/ Dec 2021	978-0-7354-4165-1	Scopus	<a href="https://aip.scitation.org/doi/abs/10.1063/5.0074298">https://aip.scitation.org/doi/abs/10.1063/5.0074298</a>
33	2021	IJ	A Decision Based Neighbourhood Referred Asymmetrically Trimmed Modified Trimean for the Removal of High Density Salt and Pepper Noise in Images and Videos	K Vasanth	Wireless Personal Communications	Vol. 120 / 2585-2609/ Oct 2021	1572-834X	SCI, Scopus, WoS	<a href="https://link.springer.com/article/10.1007/s11277-021-08547-4?utm_source=xmol&amp;utm_medium=affiliate&amp;utm_content=meta&amp;utm_campaign=DDC_N_1_GL01_metadata">https://link.springer.com/article/10.1007/s11277-021-08547-4?utm_source=xmol&amp;utm_medium=affiliate&amp;utm_content=meta&amp;utm_campaign=DDC_N_1_GL01_metadata</a>
34	2021	IC	Implementation of Smart Energy Meter through Prepaid Transaction using IoT	P Rahul Reddy, Rajashekhar Kammanaboina, Dumpa Prasad, Prabhakara Rao Kapula, Asisa Kumar Panigrahy	International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT 2021)	Aug 2021	978-1-6654-3559-8	Scopus	<a href="https://ieeexplore.ieee.org/document/9574015/authors">https://ieeexplore.ieee.org/document/9574015/authors</a>
35	2021	IJ	Pegasis Double Cluster Head Hybrid Congestion Control in Wireless Sensor Networks	Abdul Ali, M. Vadivel	JOURNAL OF COMMUNICATIONS SOFTWARE AND SYSTEMS	17&3/221-231/ Sep 2021	1846-6079	Scopus, WoS	<a href="https://jcoms.fesb.unist.hr/10.24138/jcomss-2021-0032/">https://jcoms.fesb.unist.hr/10.24138/jcomss-2021-0032/</a>

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36	2021	BC	Content based non linear filter for the removal of impulsively modeled artifacts from images and videos	D. V. N. Kameswari, M. Divya, K. Vasanth, S. Pradeep Kumar Reddy & S. Nagaraj	International conference on Advances in signal processing & Communication Engineering (ICASPACE-2021)	29 - 31 July 2021	978-981-19-5550-1	Scopus, WoS	<a href="https://link.springer.com/chapter/10.1007/978-981-19-5550-1_7">https://link.springer.com/chapter/10.1007/978-981-19-5550-1_7</a>
37	2021	BC	Impact of Distance Measure on Kriging Interpolation on natural image corrupted by dropout noise	J. Sridevi, Ch. Raghava Prasad & K. Vasanth	International conference on Advances in signal processing & Communication Engineering (ICASPACE-2021)	439-450/29 - 31 July 2021	978-981-19-5550-1	Scopus, WoS	<a href="https://link.springer.com/chapter/10.1007/978-981-19-5550-1_40">https://link.springer.com/chapter/10.1007/978-981-19-5550-1_40</a>
38	2021	IJ	QRCP Decomposition-Based Hybrid Approach for Fusion of Visible and Infrared Images	C. Rajakumar & S. Satheeskumaran	Circuits, Systems, and Signal Processing	Vol. 40 / 6146–6172/ Aug 2021	1531-5878	SCI, Scopus, WoS	<a href="https://www.sciencegate.app/app/document/download/10.1007/s00034-021-01757-y">https://www.sciencegate.app/app/document/download/10.1007/s00034-021-01757-y</a>
39	2021	IC	Subspace Analysis Technique on Features Images in Leaf Species Recognition	V. Vinay Kumar; K.V. Ranga Rao; V. Sridhar	2021 IEEE Madras Section Conference (MASCON 2021)	Aug 2021	978-1-6654-0405-1	Scopus	<a href="https://ieeexplore.ieee.org/document/9563482/authors#authors">https://ieeexplore.ieee.org/document/9563482/authors#authors</a>
40	2021	IC	Use of deep-learning in transport services for maintaining safety and regulating unauthorized drivers	Sai Krithik P. V., Adarsh Raghavan M. T., Sai Pratyusha K., Vasanth K., Mahesh R., Anand Pandarinath M.,	conference-proceedings-of-spie	11843 / 1184310-1 to 1184310-11 / Aug 2021	118430 X	Scopus	<a href="https://www.spiedigitallibrary.org/conference-proceedings-of-spie/11843/1184310/Use-of-deep-learning-in-transport-services-for-maintaining-safety/10.1117/12.2594149.short?SSO=1">https://www.spiedigitallibrary.org/conference-proceedings-of-spie/11843/1184310/Use-of-deep-learning-in-transport-services-for-maintaining-safety/10.1117/12.2594149.short?SSO=1</a>

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41	2021	IC	Video classification using transfer learning techniques for human-machine interface	K., Neha, P., Sai Charan, V., Sridhar	conference-proceedings-of-spie	11843 / 118430X-1 to 118430X-12 / Aug 2021	118431 0	Scopus	<a href="https://www.spiedigitallibrary.org/conference-proceedings-of-spie/11843/118430X/Video-classification-using-transfer-learning-techniques-for-human-machine-">https://www.spiedigitallibrary.org/conference-proceedings-of-spie/11843/118430X/Video-classification-using-transfer-learning-techniques-for-human-machine-</a>
42	2021	IC	Effect of curve fitting in an automated cardiac arrhythmia detection system	K Vasanth; Divya. M; Kameswari D.V. N; Celin S	6th International Conference on Communication and Electronics Systems (ICCES 2021)	1883-1888/ Jul 2021	978-1-6654-3587-1	Scopus	<a href="https://ieeexplore.ieee.org/document/9488981/authors#authors">https://ieeexplore.ieee.org/document/9488981/authors#authors</a>
43	2021	BC	A Decision based asymmetrically trimmed modified geometric mean algorithm for the removal of high density salt and pepper noise in images and videos	K. Vasanth, C. N. Ravi, S. Nagaraj, M. Vadivel, K. Gopi, S. Pradeep Kumar Reddy, Thulasi Prasad	4th International Conference on Smart Computing and Informatics (SCI-2020), Smart Innovation Systems and Technologies book Series	225/ 147-154/ Jul 2021	978-981-16-0878-0	Scopus, WoS	<a href="https://link.springer.com/chapter/10.1007/978-981-16-0878-0_15">https://link.springer.com/chapter/10.1007/978-981-16-0878-0_15</a>
44	2021	BC	Classification of Sickle Cell Anemia Using Energy-Based KNN Classifier	M. Vadivel V. Vijaya Baskar V. G. Sivakumar S. P. Vimal	Next Generation of Internet of Things, Lecture Notes in Networks and Systems book series	201/289-293/ Jun 2021	978-981-16-0666-3	Scopus, WoS	<a href="https://link.springer.com/chapter/10.1007/978-981-16-0666-3_22">https://link.springer.com/chapter/10.1007/978-981-16-0666-3_22</a>
45	2021	IC	Classification of Digital Dental X-ray Images Using Machine Learning	Sindu Divakaran, K.Vasanth, Suja D, Swedha V	2021 Seventh International conference on Bio Signals, Images, and Instrumentation (ICBSII 2021)	Jun 2021	978-1-6654-4126-1	Scopus	<a href="https://ieeexplore.ieee.org/document/9445171/authors#authors">https://ieeexplore.ieee.org/document/9445171/authors#authors</a>

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46	2021	IC	Revisiting the Utility of Transmission Gate and Passtransistor Logic Styles in CMOS VLSI Design	Shaik Fairooz; P. Thanapal; P. Ganesan; M. Sundar Prakash Balaji; V. Elamaram	2021 3rd International Conference on Signal Processing and Communication (ICPSC 2021)	Jun 2021	978-1-6654-2864-4	Scopus	<a href="https://ieeexplore.ieee.org/document/9451645/authors#authors">https://ieeexplore.ieee.org/document/9451645/authors#authors</a>