



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



School of Electrical and Communication
Department of Electronics and Communication Engineering
Faculty Publication Details During the Assessment Period
Academic Year 2023-24

S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
1	Dr. Sathesh Raaj R	A comprehensive guide to content-based image retrieval algorithms with visualsift ensembling	Dec-2024	Article	Journal of X-Ray Science and Technology	10.3233/XST-240189	32 (6)	IOS Press BV	WoS
2	Dr. Ritwik Halдар	Parametric Optimization Of Abrasive Water Jet Machining Process Using Copras And Vikor Methods	Dec-2024	Article	MM Science Journal	10.17973/MMSJ.2024_12_2024_128	2024(6)	MM publishing Ltd.	WoS
3	Dr. Rajesh Kumar D	A versatile conformal circularly polarized quad-element antenna for X-band applications	Dec-2024	Article	Scientific Reports	10.1038/s41598-024-79197-2	14 (1)	Nature Research	Scopus
4	Dr. Hushein R	Switching loss and temperature analysis of MPWM controller for solar PV inverter	Dec-2024	Article	International Journal of Power Electronics and Drive Systems	10.11591/ijped.v15.i4.pp2545-2552	15 (4)	Institute of Advanced Engineering and Science	Scopus



5	Dr. Saravanan S	Adamic-Adar similarity indexed Wald boost data classification for diabetic disease diagnosis with big data	Dec-2024	Article	Systems and Soft Computing	10.1016/j.sasc.2024.200175	6	Academic Press	Scopus
6	Dr. Muthukumaran D	Advanced Remote Sensing and Generative Models for Comprehensive Water Quality Management in a Changing Climate	Dec-2024	Article	Remote Sensing in Earth Systems Sciences	10.1007/s41976-024-00149-5	7 (4)	Springer Nature	Scopus
7	Dr. Lordwin Cecil Prabhaker M	Water Quality Evaluation and Monitoring Model (WQEM) Using Machine Learning Techniques with IoT	2024	Article	Water Resources	10.1134/S0097807824603388	51 (6)	Springer Nature	WoS
8	Dr. Sankar M	Efficient brain tumor grade classification using ensemble deep learning models	Dec-2024	Article	BMC Medical Imaging	10.1186/s12880-024-01476-1	24 (1)	BioMed Central Ltd	WoS
9	Dr. Beulah Jackson	A wideband circularly polarized four port microstrip MIMO antenna with high gain and enhanced isolation for 5G millimeter frequency applications	Dec-2024	Article	Physica Scripta	10.1088/1402-4896/ad8c02	99 (12)	Institute of Physics	WoS



10	Dr. Vignesh Prasanna N	An improving secure communication using multipath malicious avoidance routing protocol for underwater sensor network	Dec-2024	Article	Scientific Reports	10.1038/s41598-024-80976-0	14 (1)	Nature Research	WoS
11	Dr. Vinoth Kumar V	Enhancing postoperative care with telemedicine and remote monitoring for improved recovery and patient safety	Dec-2024	Letter	International Journal of Surgery	10.1097/JS9.000000000002132	110 (12)	Wolters Kluwer Health Inc	WoS
12	Dr. Hemakumar V S	A multi-scale modeling approach for predicting and mitigating thermal runaway in electric vehicle batteries	Dec-2024	Article	Thermal Science and Engineering Progress	10.1016/j.tsep.2024.103029	56	Elsevier Ltd	WoS
13	Dr. Sheik Arafat I	Enhanced Model for Medical Image Data Security Using Machine Learning	Dec-2024	Article	SN Computer Science	10.1007/s42979-024-03448-2	5 (8)	Springer	Scopus
14	Dr. Debashish Pal	An efficient tuning method for networked control systems	Dec-2024	Article	Discover Applied Sciences	10.1007/s42452-024-06311-4	6 (12)	Springer Nature	WoS



15	Dr. Karthikeyan K A	ZnMnCoS/rGO nanocomposite for an effective bifunctional electrode for overall water splitting and supercapacitor applications	Dec-2024	Article	Physica Scripta	10.1088/1402-4896/ad92b7	99 (12)	Institute of Physics	WoS
16	Dr. Anto Bennet M	Advanced Miniaturized Microstrip Patch Antenna Design for High-Efficiency 5G Applications	Dec-2024	Article	Measurement Science Review	10.2478/msr-2024-0032	24 (6)	Sciendo	Scopus
17	Dr. Mohanraj J	Enhancement of liner materials based on nanomaterials to promote sustainability in noise intercourse	Dec-2024	Article	International Journal of Informatics and Communication Technology	10.11591/ijict.v13i3.pp476-483	13 (3)	Intelektual Pustaka Media Utama	Scopus
18	Dr. Saravanan S	Enhancing cervical cancer detection and robust classification through a fusion of deep learning models	Dec-2024	Article	Scientific Reports	10.1038/s41598-024-61063-w	14 (1)	Nature Research	WoS
19	Dr. Bharathi C R	Analysis of Reason to Global Warming Based on Heat Pattern Using	Dec-2024	Article	Remote Sensing in Earth Systems Sciences	10.1007/s41976-024-00130-2	7 (4)	Springer Nature	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Hyperspectral Imaging: Artificial Intelligence Application							
20	Dr. Purushothaman K E	Enhancing cybersecurity in cloud computing and WSNs: A hybrid IDS approach	Dec-2024	Article	Computers and Security	10.1016/j.cose.2024.104081	147	Elsevier Ltd	WoS
21	Dr. Sankar M	Employing deep learning and transfer learning for accurate brain tumor detection	Dec-2024	Article	Scientific Reports	10.1038/s41598-024-57970-7	14 (1)	Nature Research	Scopus
22	Dr. Sahaya Sheela M	Integrating neural network-driven customization, scalability, and cloud computing for enhanced accuracy and responsiveness for social network modelling	Dec-2024	Article	Social Network Analysis and Mining	10.1007/s13278-024-01302-0	14 (1)	Springer	WoS
23	Dr. Jana S	An intelligent and resolute Traffic Management System using GRCNet-StMO model for smart vehicular networks	Dec-2024	Article	International Journal of Information Technology (Singapore)	10.1007/s41870-024-02106-3	16 (8)	Springer Science and Business Media B.V.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
24	Dr. Ferlin Deva Shahila D	9–Level switched capacitor–high-voltage gain boosting inverter (SC-HVGBI) topology with reduced voltage stress	Dec-2024	Article	Electrical Engineering	10.1007/s00202-024-02491-9	106 (6)	Springer Science and Business Media Deutschland GmbH	Scopus
25	Dr. Saravanan S	Multimodal Biomedical Image Segmentation using Multi-Dimensional U-Convolutional Neural Network	Dec-2024	Article	BMC Medical Imaging	10.1186/s12880-024-01197-5	24 (1)	BioMed Central Ltd	WoS
26	Dr. Mutharasan A	Multiobjective optimal TCSC placement using multiobjective grey wolf optimizer for power losses reduction	Dec-2024	Article	Scientific Reports	10.1038/s41598-024-72124-5	14 (1)	Nature Research	WoS
27	Dr. Vishnu Kumar S	Design of modified reference phase modulation based boost chopper fed fifteen level stepped DC link hybrid converter	Dec-2024	Article	Scientific Reports	10.1038/s41598-024-52727-8	14 (1)	Nature Research	WoS
28	Dr. Mohan Sai Kumar Ch	IDEAL: an inventive optimized deep ensemble	Dec-2024	Review	Social Network Analysis and Mining	10.1007/s13278-024-01249-2	14 (1)	Springer	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		augmented learning framework for opinion mining and sentiment analysis							
29	Dr. Ezhil E Nithila	Automatic kidney disease prediction using deep learning techniques	Dec-2024	Article	Indonesian Journal of Electrical Engineering and Computer Science	10.11591/ijeecs.v36.i3.pp1798-1806	36 (3)	Institute of Advanced Engineering and Science	Scopus
30	Dr. Muthukrishnan A	IOT device type identification using magnetized Hopfield neural network with tuna swarm optimization algorithm	Dec-2024	Article	Swarm and Evolutionary Computation	10.1016/j.swevo.2024.101653	91	Elsevier B.V.	WoS
31	Dr. Aanandha Saravanan K	Enhancing emotion prediction using deep learning and distributed federated systems with SMOTE oversampling technique	Dec-2024	Article	Alexandria Engineering Journal	10.1016/j.aej.2024.07.081	108	Elsevier B.V.	WoS
32	Dr. Muthukumaran D	A low-cost localization method in autonomous vehicle by applying light detection and ranging technology	Dec-2024	Article	Indonesian Journal of Electrical Engineering and Computer Science	10.11591/ijeecs.v36.i3.pp1739-1749	36 (3)	Institute of Advanced Engineering and Science	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
33	Dr. Saravanan S	A hybrid deep CNN model for brain tumor image multi-classification	Dec-2024	Article	BMC Medical Imaging	10.1186/s12880-024-01195-7	24 (1)	BioMed Central Ltd	WoS
34	Dr. Saravanan S	Robust brain tumor classification by fusion of deep learning and channel-wise attention mode approach	Dec-2024	Article	BMC Medical Imaging	10.1186/s12880-024-01323-3	24 (1)	BioMed Central Ltd	Scopus
35	Dr. Nalini N	Optimizing Chemical Sensing Performance: A New Terahertz Waveguide Plasmonic Sensor with Hybrid Refractive Index Integration	Dec-2024	Article	Plasmonics	10.1007/s11468-024-02221-8	19 (6)	Springer	WoS
36	Dr. Ashwinl A	Unleashing the leap toward secured IoMT environment in WBAN: A comprehensive review	Nov-2024	Book chapter	Security, Privacy, and Trust in WBANs and E-Healthcare	10.1201/9781032635101-10	NA	CRC Press	Scopus
37	Dr. Kanmani Ruby E D	Security threat mitigation in WBAN using tiny machine learning	Nov-2024	Book chapter	Security, Privacy, and Trust in WBANs and E-Healthcare	10.1201/9781032635101-15	NA	CRC Press	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
38	Dr. Uganya G	Challenges and current trends in wearable devices for the assessment of vital parameters: A review	Nov-2024	Book chapter	Security, Privacy, and Trust in WBANs and E-Healthcare	10.1201/9781032635101-7	NA	CRC Press	Scopus
39	Dr. Ferlin Deva Shahila D	Robust security and privacy of wearable and implantable medical devices: Protecting lives and data	Nov-2024	Book chapter	Security, Privacy, and Trust in WBANs and E-Healthcare	10.1201/9781032635101-9	NA	CRC Press	Scopus
40	Mr. Vijay Albert William M	MFO hyper parameter tuned machine learning algorithm for crack length severity classification	Nov-2024	Conference paper	AIP Conference Proceedings	10.1063/5.0242287	3192 (1)	American Institute of Physics	Scopus
41	Dr. Hemakumar V S	Smart security system for bank lockers using IoT	Nov-2024	Conference paper	AIP Conference Proceedings	10.1063/5.0241985	3192 (1)	American Institute of Physics	Scopus
42	Dr. Rajendiran P	Radiation influence on planar reconfigurable field effect transistor low noise amplifier performance	Nov-2024	Article	Physica Scripta	10.1088/1402-4896/ad7f9a	99 (11)	Institute of Physics	WoS



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
43	Dr. Britto Pari J	Reconfigurable Frequency Response Masking Multi-MAC Filters for Software Defined Radio Channelization	Nov-2024	Article	Electronics (Switzerland)	10.3390/electronics13214211	13 (21)	Multidisciplinary Digital Publishing Institute (MDPI)	WoS
44	Dr. David Neels Ponkumar D	DoS attack detection and hill climbing based optimal forwarder selection	Nov-2024	Article	Indonesian Journal of Electrical Engineering and Computer Science	10.11591/ijeecs.v36.i2.pp882-891	36 (2)	Institute of Advanced Engineering and Science	Scopus
45	Dr. Britto Pari J	Delineation of Optimized Single and Multichannel Approximate DA-Based Filter Design Using Influential Single MAC Strategy for Trans-Multiplexer	Nov-2024	Article	Sensors	10.3390/s24227149	24 (22)	Multidisciplinary Digital Publishing Institute (MDPI)	WoS
46	Dr. Kalpana Devi P	High bandwidth profile based on fiber bragg grating dispersion compensation systems for high bit rate optical communications with long distance links	Nov-2024	Article	Journal of Optics (India)	10.1007/s12596-024-01679-3	53 (5)	Springer	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
47	Dr. Ashwinl A	A comprehensive introduction to cloud computing revolution	Oct-2024	Book chapter	Revolutionizing Healthcare Systems Through Cloud Computing and IoT	10.4018/979-8-3693-7225-8.ch001	NA	IGI Global	Scopus
48	Dr. Ashwinl A	Challenges in integrating cloud and IoT in healthcare systems	Oct-2024	Book chapter	Revolutionizing Healthcare Systems Through Cloud Computing and IoT	10.4018/979-8-3693-7225-8.ch003	NA	IGI Global	Scopus
49	Dr. Karthikeyan K A	Optical parameters extraction of soil and its microplastics contamination using terahertz spectroscopy	Oct-2024	Article	Heliyon	10.1016/j.heliyon.2024.e38326	10 (19)	Elsevier Ltd	Scopus
50	Dr. Vignesh Prasanna N	Chronic Lower Respiratory Diseases detection based on Deep Recursive Convolutional Neural Network	Oct-2024	Article	International Journal of Computational and Experimental Science and Engineering	10.22399/ijcese.n.513	10 (4)	Prof.Dr. İskender AKKURT	Scopus
51	Dr. Ezhil E Nithila	Explainable AI for Transparent MRI Segmentation: Deep Learning and Visual	Oct-2024	Article	International Journal of Computational and Experimental	10.22399/ijcese.n.479	10 (4)	Prof.Dr. İskender AKKURT	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Attribution in Clinical Decision Support			Science and Engineering				
52	Dr. Arun C A	Hybrid Computational Intelligence Models for Robust Pattern Recognition and Data Analysis	Oct-2024	Article	International Journal of Computational and Experimental Science and Engineering	10.22399/ijcese n.624	10 (4)	Prof.Dr. İskender AKKURT	Scopus
53	Dr. Selwin Mich Priyadharson A	Regional Language Speech Recognition from Bone Conducted Speech Signals Through CCWT Algorithm	Oct-2024	Article	Circuits, Systems, and Signal Processing	10.1007/s00034-024-02733-y	43 (10)	Birkhauser	WoS
54	Dr. Neelamegam D	Comparative Analysis of Anatomical Regions for Noninvasive Blood Testing Using Spectroscopic Technique	Oct-2024	Article	SSRG International Journal of Electrical and Electronics Engineering	10.14445/23488379/IJEEE-V11I10P120	11 (10)	Seventh Sense Research Group	Scopus
55	Dr. Sankar M	Enhancing Book Recommendation Systems: A Deep Dive into Weighted Alternating Least	Oct-2024	Article	SSRG International Journal of Electronics and	10.14445/23488549/IJECE-V11I10P104	11 (10)	Seventh Sense Research Group	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Square (WALS) and Neural Collaborative Filtering (NCF) with Feature Optimization			Communication Engineering				
56	Dr. Kalpana Devi P	Advanced Terahertz Waveguide Biosensing: Blood Component Detection with a Pentagonal Cladding and Decagonal Core Fiber Design	Oct-2024	Article	Brazilian Journal of Physics	10.1007/s13538-024-01560-5	54 (5)	Springer	WoS
57	Dr. Kanmani Ruby E D	Detection and mitigation of vampire attacks with secure routing in WSN using weighted RNN and optimal path selection	Oct-2024	Article	Computers and Security	10.1016/j.cose.2024.103991	145	Elsevier Ltd	WoS
58	Dr. Kanmani Pappa C	Buffer Association of Network on Chip (NoC) Using Simulated Network	Oct-2024	Article	Ingenierie des Systemes d'Information	10.18280/isi.290513	29 (5)	International Information and Engineering Technology Association	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
59	Dr. Jana S	Enhancing face recognition performance: a comprehensive evaluation of deep learning models and a novel ensemble approach with hyperparameter tuning	Oct-2024	Article	Soft Computing	10.1007/s00500-024-09954-y	28 (20)	Springer Science and Business Media Deutschland GmbH	Scopus
60	Dr. Sheik Arafat I	Enhanced Energy Efficient Clustering and Routing Algorithm in Wireless Sensor Network	Oct-2024	Article	Wireless Personal Communications	10.1007/s11277-024-11549-7	138 (3)	Springer	WoS
61	Dr. Mutharasan A	The feasibility analysis of load based resource optimization algorithm for cooperative communication in 5G wireless ad-hoc networks	Oct-2024	Article	Alexandria Engineering Journal	10.1016/j.aej.2024.07.128	104	Elsevier B.V.	WoS
62	Dr. Jency Rubia J	Artificial neural network-based intelligent sensor-based electronic nose for food applications	Oct-2024	Article	Indonesian Journal of Electrical Engineering and Computer Science	10.11591/ijeecs.v36.i1.pp163-173	36 (1)	Institute of Advanced Engineering and Science	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
63	Dr. Kalpana Devi P	Fabrication Model Design and Analysis of Flexible Polarization Surface Polariton Resonance with a Dual-Wing Antenna Structure Platform for Diverse Multiband Characteristics in the Measurement Environment	Oct-2024	Article	Plasmonics	10.1007/s11468-023-02141-z	19 (5)	Springer	WoS
64	Dr. Kavitha T	Modelling of OFDM modulation technique in HF radio band using MATLAB	Oct-2024	Article	Journal of Optical Communications	10.1515/joc-2022-0088	45 (4)	Walter de Gruyter GmbH	Scopus
65	Dr. Jency Rubia J	Hybrid Convolution-Based Efficientnet-Based Hand Gesture Recognition Framework with Optimized Algorithm	Sep-2024	Article	International Journal of Pattern Recognition and Artificial Intelligence	10.1142/S0218001424560081	38 (12)	World Scientific	WoS
66	Dr. Ashwinl A	Early roots of generative AI models and LLM: A diverse landscape	Sep-2024	Book chapter	Generative AI and LLMs: Natural Language Processing and Generative Adversarial Networks	10.1515/978311425078-002	NA	De Gruyter	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
67	Dr. Jency Rubia J	Unveiling the power of generative AI: A journey into large language models	Sep-2024	Book chapter	Generative AI and LLMs: Natural Language Processing and Generative Adversarial Networks	10.1515/9783111425078-001	NA	De Gruyter	Scopus
68	Dr. Ashwinl A	Exploring the applications on generative AI and LLM	Sep-2024	Book chapter	Generative AI and LLMs: Natural Language Processing and Generative Adversarial Networks	10.1515/9783111425078-008	NA	De Gruyter	Scopus
69	Dr. Aswath S	Optimizing federated learning approaches with hybrid Convolutional Neural Networks - Bidirectional Encoder Representations from Transformers for precise estimation of average localization errors in wireless sensor networks	Sep-2024	Article	International Journal of Communication Systems	10.1002/dac.5822	37 (13)	John Wiley and Sons Ltd	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
70	Dr. Valarmathi R S	Diagnosing the MRI brain tumour images through RNN-LSTM	Sep-2024	Article	e-Prime - Advances in Electrical Engineering, Electronics and Energy	10.1016/j.prime.2024.100723	9	Elsevier Ltd	Scopus
71	Dr. Britto Pari J	Optimal Realization of Distributed Arithmetic-Based MAC Adaptive FIR Filter Architecture Incorporating Radix-4 and Radix-8 Computation	Sep-2024	Article	Electronics (Switzerland)	10.3390/electronics13173551	13 (17)	Multidisciplinary Digital Publishing Institute (MDPI)	WoS
72	Dr. Ashvanth B	Compact narrow slot antenna with stable radiation pattern and wide bandwidth	Sep-2024	Article	Engineering Research Express	10.1088/2631-8695/ad6fec	6 (3)	Institute of Physics	WoS
73	Dr. Sahaya Sheela M	An intelligent security mechanism in mobile Ad-Hoc networks using precision probability genetic algorithms (PPGA) and deep learning technique (Stacked LSTM)	Sep-2024	Article	Sustainable Computing: Informatics and Systems	10.1016/j.suscom.2024.101021	43	Elsevier Inc.	WoS
74	Dr. Saravanan S	BSDN-HMTD: A blockchain supported SDN framework for	Sep-2024	Article	Egyptian Informatics Journal	10.1016/j.eij.2024.100515	27	Elsevier B.V.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		detecting DDoS attacks using deep learning method							
75	Dr. Valarmathi R S	An intelligent speech enhancement model using enhanced heuristic-based residual convolutional neural network with encoder-decoder architecture	Sep-2024	Article	International Journal of Speech Technology	10.1007/s10772-024-10127-3	27 (3)	Springer	Scopus
76	Dr. Arun Kumar J	Spectrally efficient code-domain based IRS transmission scheme for 6G communications	Sep-2024	Article	Sadhana - Academy Proceedings in Engineering Sciences	10.1007/s12046-024-02576-y	49 (3)	Springer	WoS
77	Dr. Muthukumaran D	Network load balancing and data categorization in cloud computing	Sep-2024	Article	Indonesian Journal of Electrical Engineering and Computer Science	10.11591/ijeecs.v35.i3.pp1942-1951	35 (3)	Institute of Advanced Engineering and Science	Scopus
78	Dr. Arun Kumar J	A Hybrid Multicarrier Modulation and Multiplexing Scheme for Beyond 5G Systems	Sep-2024	Article	Wireless Personal Communications	10.1007/s11277-024-11508-2	138 (1)	Springer	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
79	Dr. Prasanna R	Conductive graphene-based coagulated composites for electronic printing applications	Sep-2024	Article	Functional Composites and Structures	10.1088/2631-6331/ad68bf	6 (3)	Institute of Physics	WoS
80	Dr. Hushein R	Evaluating the Piezoelectric Energy Harvesting Potential of 3D-Printed Graphene Prepared Using Direct Ink Writing and Fused Deposition Modelling	Sep-2024	Article	Polymers	10.3390/polym16172397	16 (17)	Multidisciplinary Digital Publishing Institute (MDPI)	WoS
81	Dr. Kalpana Devi P	Unlocking insights of oil derivatives with terahertz spectrum analysis: the hybrid refractive index rectangular core photonic crystal fiber perspective sensing	Sep-2024	Article	Journal of Optics (India)	10.1007/s12596-023-01520-3	53 (4)	Springer	Scopus
82	Dr. Vinson Joshua S	Sustainable Resource Allocation and Base Station Optimization Using Hybrid Deep Learning Models in 6G Wireless Networks	Sep-2024	Article	Sustainability (Switzerland)	10.3390/su16177253	16 (17)	Multidisciplinary Digital Publishing Institute (MDPI)	WoS



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
83	Dr. Anish Pon Yamini	A four-element metasurface loaded high gain MIMO antenna for X-band applications	Sep-2024	Article	Physica Scripta	10.1088/1402-4896/ad6d10	99 (9)	Institute of Physics	WoS
84	Dr. Kalpana Devi P	OPTIMIZED DEEP LEARNING FRAMEWORK FOR BRAIN TUMOR DETECTION AND CLASSIFICATION USING HYBRID VISUAL GEOMETRY GROUP-16 WITH REDUCED WEIGHTS VIA BUTTERFLY OPTIMIZATION	Aug-2024	Article	Journal of Theoretical and Applied Information Technology	ISSN: 1992-8645	102(16)	Little Lion Scientific	Scopus
85	Dr. Anandan M	Quantum robotics in health care: Innovations and applications	Aug-2024	Book chapter	The Quantum Evolution: Application of AI and Robotics in the Future of Quantum Technology	10.1201/9781032642079-9	NA	CRC Press	Scopus
86	Dr. Kanimozhi T	A NOVEL ADAPTIVE NETWORK INTRUSION PREVENTION SYSTEM FOR	Aug-2024	Article	Journal of Theoretical and Applied Information Technology	ISSN: 1992-8645	102(15)	Little Lion Scientific	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		INTERNET OF THINGS							
87	Dr. Hushein R	3D-printed β -TCP/Ti6Al4V composite scaffolds for bone regeneration: Process parameter optimization and evaluation	Aug-2024	Article	Annals of 3D Printed Medicine	10.1016/j.stlm.2024.100168	15	Elsevier Masson s.r.l.	Scopus
88	Dr. Anto Bennet M	Bio-waste derived 2D rGO sheet supported Co9Se8 hybrid composite electrode for high performance supercapacitor applications	Aug-2024	Article	Diamond and Related Materials	10.1016/j.diamond.2024.111304	147	Elsevier Ltd	WoS
89	Dr. Anto Bennet M	A Compact Four-Element MIMO Antenna for 5 G Millimeter-Wave (37–39 GHz) Applications	Aug-2024	Article	Journal of Infrared, Millimeter, and Terahertz Waves	10.1007/s10762-024-00990-1	45	Springer	Scopus
90	Dr. Shahnaz K V	Investigation of Split Ring Resonator Based Rectangular Micro-Strip Patch	Aug-2024	Article	Journal of Advanced Research in Applied Sciences and	10.37934/araset.37.1.171178	37 (1)	Semarak Ilmu Publishing	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Antenna for Radar Communication			Engineering Technology				
91	Dr. Sasikala G	Simulation and implementation of a reconfigurable dual-function pixel	Aug-2024	Article	Optoelectronics Letters	10.1007/s11801-024-3162-x	20 (8)	Springer Verlag	WoS
92	Dr. Ashwinl A	Eco-virtual as the role of virtual reality transformations in environmental engineering	Jul-2024	Book chapter	Navigating the Augmented and Virtual Frontiers in Engineering	10.4018/979-8-3693-5613-5.ch005	NA	IGI Global	Scopus
93	Dr. Jency Rubia J	A NOVEL DESIGN EMPLOYING ARBITRARY TREE STRUCTURE FOR ADAPTIVE THRESHOLDING DISCRETE WAVELET PACKET TRANSFORMATION	Jul-2024	Article	Journal of Engineering and Technology for Industrial Applications	10.5935/jetia.v10i48.988	10 (48)	Galileo Institute of Technology and Education of the Amazon (ITEGAM)	Scopus
94	Dr. Vinodh Kumar N	Advancements in GaN technologies: Power, RF, digital and quantum applications	Jul-2024	Book chapter	Nanoelectronic Devices and Applications	10.2174/9789815238242124010003	NA	Bentham Science Publishers	Scopus
95	Dr. Valliammai M	A New Silicon Mold Process for	Jul-2024	Article	Micromachines	10.3390/mi15070848	15 (7)	Multidisciplinary Digital Publishing	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Polydimethylsiloxane Microchannels						Institute (MDPI)	
96	Dr. Ashvanth B	An ultra miniaturized high data rate MIMO antenna for wireless implantable medical application	Jul-2024	Article	Journal of Optoelectronics and Advanced Materials	10.1002/mop.33856	26	National Institute of Optoelectronics	Scopus
97	Dr. Britto Pari J	High speed and area efficient coded input BCSM shared LUT-based FIR filter architecture	Jul-2024	Article	International Journal of System Assurance Engineering and Management	10.1007/s13198-024-02312-z	15 (7)	Springer	WoS
98	Dr. Mohanraj J	Noise coupling reduction using temperature enhanced device for future integrated circuit integration applications	Jul-2024	Article	International Journal of Reconfigurable and Embedded Systems	10.11591/ijres.v13.i2.pp307-314	13 (2)	Institute of Advanced Engineering and Science	Scopus
99	Dr. Rajesh Kumar D	Dual-band MIMO antenna design for enhanced 5G performance: simulation, implementation, and evaluation	Jul-2024	Article	Optical and Quantum Electronics	10.1007/s11082-024-07151-7	56 (7)	Springer	WoS



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
100	Dr. Herald Anantha Rufus N	Investigation on ultrasound images for detection of fetal congenital heart defects	Jul-2024	Review	Biomedical Physics and Engineering Express	10.1088/2057-1976/ad4f91	10 (4)	Institute of Physics	WoS
101	Dr. Balaji L	Efficient segmentation and 1D-CNN model optimization for recognizing human actions with mobile sensors	Jun-2024	Conference paper	AIP Conference Proceedings	10.1063/5.0216521	3122 (1)	American Institute of Physics	Scopus
102	Dr. Valarmathi R S	AR/VR and robotics and their role in leadership	Jun-2024	Book chapter	Impact of New Technology on Next-Generation Leadership	10.4018/979-8-3693-1946-8.ch009	NA	IGI Global	Scopus
103	Mr. Ezilarasan M R	An Efficient EEG Signal Analysis for Emotion Recognition Using FPGA	Jun-2024	Article	Information (Switzerland)	10.3390/info15060301	15 (6)	Multidisciplinary Digital Publishing Institute (MDPI)	WoS
104	Dr. Kanimozhi T	Hybrid PV and Fuel Cell Generating System for Shipboard Applications Based on Optimal Dispatch Evaluator Algorithm	Jun-2024	Article	Journal of Advanced Research in Applied Sciences and Engineering Technology	10.37934/araset.36.2.131146	36 (2)	Semarak Ilmu Publishing	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
105	Dr. Josephine Pon Gloria J	Ultra high reach optical fiber systems based on CW laser and VCSEL laser operation performance signature	Jun-2024	Article	Journal of Optical Communications	10.1515/joc-2023-0293	45	Walter de Gruyter GmbH	Scopus
106	Dr. Rajendiran P	Sensitivity analysis of junctionless silicon NT-TFET and performance metrics comparison with the silicon NT-TFET	Jun-2024	Article	Journal of Nanoparticle Research	10.1007/s11051-024-06045-9	26 (6)	Springer Science and Business Media B.V.	WoS
107	Dr. Suresh P	VigilEye: Machine learning-powered driver fatigue recognition for safer roads	Jun-2024	Article	Measurement: Sensors	10.1016/j.measen.2024.101186	33	Elsevier Ltd	Scopus
108	Dr. Kalpana Devi P	High efficiency coupling fibers with different types of photo detectors for the management of noise multiplication and efficient bandwidth	Jun-2024	Article	Journal of Optical Communications	10.1515/joc-2023-0276	45	Walter de Gruyter GmbH	Scopus
109	Dr. Natarajan S	Advancements and applications of position-sensitive	Jun-2024	Article	Optoelectronics Letters	10.1007/s11801-024-3117-2	20 (6)	Springer Verlag	WoS



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		detector (PSD): a review							
110	Dr. Aloy Anuja Mary G	CSPBOT-boQIEKC: QoS Enhanced Integration of Energy-Aware Clustering with Routing Protocol for WSN	Jun-2024	Article	SSRG International Journal of Electronics and Communication Engineering	10.14445/23488549/IJECE-V11I6P104	11 (6)	Seventh Sense Research Group	Scopus
111	Dr. Vinodh Kumar N	Behavior prediction of fiber optic temperature sensor based on hybrid classical quantum regression model	Jun-2024	Article	Quantum Machine Intelligence	10.1007/s42484-024-00150-7	6 (1)	Springer Science and Business Media Deutschland GmbH	WoS
112	Dr. Valarmathi R S	Deep Learning Techniques in Classification of Stages in Dementia: An Ensemble Approach	Jun-2024	Article	Journal of Advanced Research in Applied Sciences and Engineering Technology	10.37934/araset.36.1.131146	36 (1)	Semarak Ilmu Publishing	Scopus
113	Dr. Beulah Jackson	A square split ring resonator-based metamaterial integrated high gain 4 × 4 MIMO antenna with circular polarization for wideband 5G	Jun-2024	Article	Optical and Quantum Electronics	10.1007/s11082-024-06914-6	56 (6)	Springer	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		millimeter-wave applications							
114	Dr. Mohanraj J	Electrical signal interference minimization using appropriate core material for 3D integrate circuit at high frequency applications	Jun-2024	Article	International Journal of Electrical and Computer Engineering	10.11591/ijece.v14i3.pp2500-2507	14 (3)	Institute of Advanced Engineering and Science	Scopus
115	Dr. Nalini N	High modulation laser systems integrated with hybrid pulse generators for high speed fiber transmission systems	Jun-2024	Article	Journal of Optical Communications	10.1515/joc-2023-0278	45	Walter de Gruyter GmbH	Scopus
116	Dr. Kalpana Devi P	High speed broadband light spatial laser system with hybrid linear/parabolic/measured indexed multimode optical fibers performance signature	Jun-2024	Article	Journal of Optical Communications	10.1515/joc-2023-0396	45	Walter de Gruyter GmbH	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
117	Dr. Ashvanth B	Miniaturized UWB antenna with circular polarization and bandwidth reconfiguration	Jun-2024	Article	Optical and Quantum Electronics	10.1007/s11082-024-07020-3	56 (6)	Springer	WoS
118	Dr. Kavitha T	An Intelligent Big Data Security Framework Based on AEFS-KENN Algorithms for the Detection of Cyber-Attacks from Smart Grid Systems	Jun-2024	Article	Big Data Mining and Analytics	10.26599/BDM A.2023.9020022	7 (2)	Tsinghua University Press	WoS
119	Dr. Anto Bennet M	Optimized precoding for massive MU-MIMO systems with KLDA dimension reduction and RNN-crossover GBO algorithm	Jun-2024	Article	Telecommunication Systems	10.1007/s11235-024-01135-4	86 (2)	Springer	WoS
120	Dr. Kalpana Devi P	Efficient employment of Yb doped multi-mode fiber amplifiers based pumped laser with advanced light sources in high speed modulated optical communication systems	Jun-2024	Article	Journal of Optical Communications	10.1515/joc-2023-0206	45	Walter de Gruyter GmbH	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
121	Dr. Kavitha T	The application of mobile computing in a smart city	May-2024	Book chapter	The Future of Mobile Computing	10.52305/NQYN 7463	NA	Nova Science Publishers, Inc.	Scopus
122	Dr. Velmurugan V	NOVEL ROUTING PROTOCOL TO OVERCOME PACKET DELAY IN MOBILE ADHOC NETWORK	May-2024	Article	Journal of Theoretical and Applied Information Technology	1992-8645	9	Little Lion Scientific	Scopus
123	Mr. Vinson Joshua S	The influence of methylammonium iodide concentration on the properties of perovskite solar cells	May-2024	Article	Energy Science and Engineering	10.1002/ese3.1724	12 (5)	John Wiley and Sons Ltd	WoS
124	Dr. Dasari Naga Vinod	Validation and Performance Contrast of Deep Neural Network Based Mechanism for Real-Time Automatic Safety Helmet Detection	May-2024	Article	SSRG International Journal of Electrical and Electronics Engineering	10.14445/23488379/IJEEE-V11I5P110	11 (5)	Seventh Sense Research Group	Scopus
125	Dr. Rahul S G	Improving Plant Disease Detection Using Super-Resolution Generative Adversarial Networks and Enhanced Dataset Diversity	May-2024	Article	Journal of Advanced Research in Applied Sciences and Engineering Technology	10.37934/araset.35.2.144157	35 (2)	Semarak Ilmu Publishing	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
126	Dr. Suresh P	Variety of ovarian cysts detection and classification using 2D Convolutional Neural Network	May-2024	Article	Multimedia Tools and Applications	10.1007/s11042-023-17439-7	83 (16)	Springer	WoS
127	Dr. Rajkumar R	IOT BASED SMART AND ECONOMIC GREENHOUSE MONITORING AND AUTO-TUNED CONTROL SYSTEM FOR RURAL FARMING	Apr-2024	Article	Journal of Theoretical and Applied Information Technology	1992-8645	8	Little Lion Scientific	Scopus
128	Dr. Vijayalakshmi S	Development of artificial intelligence edge computing based wearable device for fall detection and prevention of elderly people	Apr-2024	Article	Heliyon	10.1016/j.heliyon.2024.e28688	10 (8)	Elsevier Ltd	Scopus
129	Dr. Anandan M	Wearable sensor and AI algorithm integration for enhanced natural disaster preparedness and response	Apr-2024	Book chapter	Utilizing AI and Machine Learning for Natural Disaster Management	10.4018/979-8-3693-3362-4.ch010	NA	IGI Global	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
130	Mr. Rajesh Kumar D	Performance Analysis of Eight-element MIMO Mobile Phone Antenna for Sub-6 GHz 5G Applications	Apr-2024	Article	Applied Computational Electromagnetic s Society Journal	10.13052/2024.ACES.J.390405	39 (4)	River Publishers	WoS
131	Dr. Sasikala G	Low voltage high bandwidth FVF current mirror using quasi floating self-cascode output stage	Apr-2024	Article	Analog Integrated Circuits and Signal Processing	10.1007/s10470-023-02205-4	119 (1)	Springer	Scopus
132	Dr. Nanmaran R	Mathematical modelling of hydrogen transportation from reservoir tank to hydrogen fuel cell electric vehicle (FCEV) tank	Apr-2024	Article	Fuel	10.1016/j.fuel.2023.130725	361	Elsevier Ltd	WoS
133	Dr. Sasikala G	A New Hybrid Precoding-Partial Transmit Sequence Method for PAPR Reduction in Multicarrier Wireless Communication Systems	Apr-2024	Article	Proceedings of the National Academy of Sciences India Section A - Physical Sciences	10.1007/s40010-023-00866-4	94 (2)	Springer	WoS
134	Dr. Ashwinl A	Detection of chronic lymphocytic leukemia using Deep Neural Eagle Perch	Apr-2024	Article	Biomedical Signal Processing and Control	10.1016/j.bspc.2023.105905	90	Elsevier Ltd	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Fuzzy Segmentation – A novel comparative approach							
135	Dr. Remya R	A comparative study of AIGaN and BAIGaN based ultraviolet quantum well-based light emitting diodes	Apr-2024	Article	Optical and Quantum Electronics	10.1007/s11082-023-06270-x	56 (4)	Springer	WoS
136	Dr. Kanmani Ruby E D	Block chain technology for secured dynamic optimal routing in WSN with optimized generative adversarial capsule network	Apr-2024	Article	International Journal of Communication Systems	10.1002/dac.5711	37 (6)	John Wiley and Sons Ltd	WoS
137	Dr. Famila S	Transfer learning based feature extraction with metaheuristic optimization algorithm for detecting gastric cancer using optoelectronic sensor in endoscope	Apr-2024	Article	Optical and Quantum Electronics	10.1007/s11082-023-06060-5	56 (4)	Springer	WoS
138	Dr. Anandan M	Unleashing the power of industry 5.0	Mar-2024	Book chapter	Using Real-Time Data and AI for	10.4018/9798369326152.ch010	NA	IGI Global	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Thrust Manufacturing				
139	Dr. Jency Rubia J	A lightweight multi-layer authentication protocol for wireless sensor networks in IoT applications	Mar-2024	Conference paper	AIP Conference Proceedings	10.1063/5.0190884	2966 (1)	American Institute of Physics	Scopus
140	Dr. Ashwinl A	Artificial intelligence's impact on thrust manufacturing with innovations and advancements in aerospace	Mar-2024	Book chapter	Industry Applications of Thrust Manufacturing: Convergence with Real-Time Data and AI	10.4018/979-8-3693-4276-3.ch008	NA	IGI Global	Scopus
141	Dr. Ezhil E Nithila	Region Duplication Tampering Detection and Localization in Digital Video Using Haar Wavelet Transform	Mar-2024	Article	Wireless Personal Communication s	10.1007/s11277-024-11028-z	135 (2)	Springer	WoS
142	Dr. Vinodh Kumar N	Role of tuning techniques in advancing the performance of negative capacitance field effecting based full adder	Mar-2024	Article	International Journal of Reconfigurable and Embedded Systems	10.11591/ijres.v13.i1.pp59-68	13 (1)	Institute of Advanced Engineering and Science	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
143	Dr. Remya R	Deep Learning Approaches for Analysing Papsmeear Images to Detect Cervical Cancer	Mar-2024	Article	Wireless Personal Communication s	10.1007/s11277-024-10986-8	135 (1)	Springer	Scopus
144	Dr. Sanjoy Debnath	LTE Cell Planning for Resource Allocation in Emergency Communication	Mar-2024	Article	Wireless Personal Communication s	10.1007/s11277-024-11103-5	135 (2)	Springer	WoS
145	Dr. Sasikala G	Design and analysis of low power high speed SBFF and MBFF for signal processing applications	Mar-2024	Article	e-Prime - Advances in Electrical Engineering, Electronics and Energy	10.1016/j.prime.2024.100430	7	Elsevier Ltd	Scopus
146	Dr. Sathyasri B	Hyperelliptic curve based authentication for the internet of drones	Mar-2024	Article	International Journal of Reconfigurable and Embedded Systems	10.11591/ijres.v13.i1.pp133-142	13 (1)	Institute of Advanced Engineerin g and Science	Scopus
147	Dr. Anto Bennet M	Leveraging cutting-edge technologies and innovative strategies to optimize the IoT and AI integration in supply chain management	Mar-2024	Book chapter	Utilization of AI Technology in Supply Chain Management	10.4018/979-8-3693-3593-2.ch011	NA	IGI Global	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
148	Dr. Vaishnavi T	An incentive-based approach for information sharing control between human and computer interface	Mar-2024	Article	Optical and Quantum Electronics	10.1007/s11082-023-05860-z	56 (3)	Springer	WoS
149	Dr. Mazher Iqbal J L	A novel deep learning approach for early detection of cardiovascular diseases from ECG signals	Mar-2024	Article	Medical Engineering and Physics	10.1016/j.medingphy.2024.104111	125	Elsevier Ltd	WoS
150	Ms. Diana Earshia V	A guided optimized recursive least square adaptive filtering based multi-variate dense fusion network model for image interpolation	Mar-2024	Article	Signal, Image and Video Processing	10.1007/s11760-023-02805-7	18 (2)	Springer Science and Business Media Deutschland GmbH	WoS
151	Dr. Anish Pon Yamini	A mathematical analysis of the PAPR in the NOMA waveform using SLM algorithm for 64-QAM	Mar-2024	Article	Journal of Interdisciplinary Mathematics	10.47974/JIM-1815	27 (2)	Taru Publications	WoS
152	Dr. Bikash Ranjan Behera	A metasurface-inspired printed monopole antenna for 5G and RF	Mar-2024	Article	Engineering Science and Technology, an International Journal	10.1016/j.jestech.2024.101638	51	Elsevier B.V.	WoS



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		energy harvesting application							
153	Dr. Herald Anantha Rufus N	Fuzzy Attention U-Net Architecture Based Localization and YOLOv5 Detection for Fetal Cardiac Ultrasound Images	Mar-2024	Article	Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications	10.58346/JOWU A.2024.I1.001	15 (1)	Innovative Information Science and Technology Research Group	Scopus
154	Dr. Sahaya Sheela M	Adaptive Marine Predator Optimization Algorithm (AOMA)-Deep Supervised Learning Classification (DSLCL) Based IDS Framework for MANET Security	Mar-2024	Article	Intelligent and Converged Networks	10.23919/ICN.2024.0001	5 (1)	Tsinghua University Press	Scopus
155	Dr. Ritwik Halder	Natural and Artificial Fibre Reinforced Concrete: A State-of-art Review	Mar-2024	Review	International Journal of Engineering, Transactions A: Basics	10.5829/ije.2024.37.03c.07	37 (3)	Materials and Energy Research Center	WoS
156	Dr. Anto Bennet M	Modular metric spaces : Some fixed-point theorems and application of secure	Mar-2024	Article	Journal of Interdisciplinary Mathematics	10.47974/JIM-1890	27 (2)	Taru Publications	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		dynamic routing for WSN							
157	Dr. Shiyamala S	Enhancing Financial Insights: Integration of various Machine Learning Techniques	Feb-2024	Article	International Journal of Intelligent Systems and Applications in Engineering	2147-6799	175	Ismail Saritas	Scopus
158	Dr. Anto Bennet M	Synthesis, spectroscopic, chemical reactivity, topology analysis and molecular docking study of ethyl 5-hydroxy-2-thioxo-4-(p-tolyl)-6-(trifluoromethyl)hexa hydropyrimidine-5-carboxylate	Feb-2024	Article	Heliyon	10.1016/j.heliyon.2024.e24588	10 (3)	Elsevier Ltd	Scopus
159	Dr. Vijayalakshmi S	Innovative Smart Network Enabled Charging Station for Future Electric Vehicle	Feb-2024	Article	Journal of The Institution of Engineers (India): Series B	10.1007/s40031-023-00961-5	105 (1)	Springer	Scopus
160	Dr. Lordwin Cecil Prabhaker M	EamIm: Enhanced Automated Machine Learning Model for IoT Based Water	Feb-2024	Article	Automatic Control and Computer Sciences	10.3103/S0146411624010085	58 (1)	Pleiades Publishing	WoS



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Quality Analysis with Real-Time Dataset							
161	Mr. Rajesh Kumar D	A compact dual-feed wide-band slotted antenna for future wireless applications	Feb-2024	Article	Analog Integrated Circuits and Signal Processing	10.1007/s10470-023-02233-0	118 (2)	Springer	WoS
162	Dr. Prithivi Rajan V	A miniaturized CPW-fed CSRR-loaded quad-port MIMO antenna for 5.5/6.5 GHz wireless applications	Feb-2024	Article	International Journal of Microwave and Wireless Technologies	10.1017/S175907872300082X	16	Cambridge University Press	Scopus
163	Dr. Kavitha P	Design and simulation of a resonance-based MEMS viscosity sensor	Feb-2024	Article	Journal of Computational Electronics	10.1007/s10825-023-02114-9	23 (1)	Springer	Scopus
164	Dr. Muthukrishnan A	Research Review Inquisitive on Indoor Air Quality Monitoring System Facilitate with Internet of Things	Jan-2024	Conference paper	E3S Web of Conferences	10.1051/e3sconf/202447700044	477	EDP Sciences	Scopus
165	Mr. Mohan Sai Kumar Ch	Development and Evaluation of a Distinctive Cloud-Based Artificial Intelligence System	Jan-2024	Article	International Journal of Intelligent Systems and	2147-6799	125	Ismail Saritas	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		using Deep Learning Techniques (AISDLT) for Accurate Detection of Tomato Plant Leaf Diseases			Applications in Engineering				
166	Dr. Britto Pari J	A reconfigurable high-speed and low-complexity residue number system-based multiply-accumulate channel filter for software radio receivers	Jan-2024	Article	World Journal of Engineering	10.1108/WJE-11-2021-0644	21 (1)	Emerald Publishing	WoS
167	Mr. Mohan Sai Kumar Ch	Enhanced WSN Cloud Security Based on Double Linked Hash Blockchain Security using Prime Padding Rivest Cipher Key policy	Jan-2024	Article	International Journal of Intelligent Systems and Applications in Engineering	2147-6799	11s	Ismail Saritas	Scopus
168	Mr. Sambath Kumar K	Design and Elevating Cloud Security Through a Comprehensive Integration of Zero Trust Framework	Jan-2024	Article	International Journal of Intelligent Systems and Applications in Engineering	2147-6799	11s	Ismail Saritas	Scopus
169	Ms. Diana Earshia V	Enhancing Battery Management of Electric Vehicles through Bidirectional	Jan-2024	Article	International Journal of Intelligent Systems and	2147-6799	11s	Ismail Saritas	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Charging for Sustainable Mobility			Applications in Engineering				
170	Dr. Mazher Iqbal J L	Emotion recognition from speech signals using digital features optimization by diversity measure fusion	Jan-2024	Article	Journal of Intelligent and Fuzzy Systems	10.3233/JIFS-231263	46 (1)	IOS Press BV	WoS
171	Dr. Berakhah F Stanley	Multi-shift spatio-temporal features assisted deep neural network for detecting the intrusion of wild animals using surveillance cameras	Jan-2024	Conference paper	E3S Web of Conferences	10.1051/e3sconf/202447203015	472	EDP Sciences	Scopus
172	Dr. Thenappan S	Exploring Quantum-Inspired Algorithms for High-Performance Computing in Structural Analysis	Jan-2024	Article	International Journal of Computational and Experimental Science and Engineering	10.22399/ijcese.n.1003	11 (1)	Prof.Dr. İskender AKKURT	Scopus
173	Dr. Oudaya Coumar S	Assessment of Photoplethysmography Signals using Customized Wavelet	Jan-2024	Conference paper	2024 Global Conference on Communications and Information	10.1109/GCCIT63234.2024.10862618	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		and Deep Learning Model			Technologies, GCCIT 2024				
174	Dr. Preethi D	A Low Complexity Gabor Based CNN Model for Defect Detection in Fabrics	Jan-2024	Conference paper	2024 4th International Conference on Artificial Intelligence and Signal Processing, AISP 2024	10.1109/AISP61711.2024.10870609	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
175	Dr. Nanmaran R	Privacy-Preserving Human Activity Recognition in Smart Homes using Deep Learning and Edge Computing for Real-Time Processing	Jan-2024	Conference paper	5th International Conference on Sustainable Communication Networks and Application, ICSCNA 2024 - Proceedings	10.1109/ICSCNA63714.2024.10864298	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
176	Dr. Gnanaprakash V	A Novel Weber Cross Information Sharing Deep Learning Encoder Decoder Model for Emotion Recognition Using Facial Expression	Jan-2024	Conference paper	2024 4th International Conference on Artificial Intelligence and Signal Processing, AISP 2024	10.1109/AISP61711.2024.10870837	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
177	Dr. Sanmugasundaram R	HiAt-Net: A Novel Three-Layered Encoder-Decoder with Hierarchical Attention for Classifying Cervical Cancer with Cytology Images	Jan-2024	Conference paper	2024 International Conference on Intelligent Systems and Advanced Applications, ICISAA 2024	10.1109/ICISAA62385.2024.10828696	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
178	Dr. Sasikala G	Innovative Techniques in the Construction of Very Large Scale Integration Circuits for Low-Power and High-Performance Circuits	Jan-2024	Conference paper	2024 Global Conference on Communications and Information Technologies, GCCIT 2024	10.1109/GCCIT63234.2024.10862370	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
179	Dr. Prithivi Rajan V	Enhancing Predictive Maintenance in Industrial IoT through Machine Learning Models	Jan-2024	Conference paper	2024 4th Asian Conference on Innovation in Technology, ASIANCON 2024	10.1109/ASIANCON62057.2024.10837788	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
180	Mr. Manikandan M	A Sub-6 GHz 5G Dual-Band MIMO Antenna with High Isolation	Jan-2024	Conference paper	2024 Global Conference on Communications and Information Technologies, GCCIT 2024	10.1109/GCCIT63234.2024.10862073	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
181	Mr. Venkataramanai ah B	Detecting Insider Threats in Cybersecurity Using Machine Learning	Jan-2024	Conference paper	Proceedings of 5th International Conference on IoT Based Control Networks and Intelligent Systems, ICICNIS 2024	10.1109/ICICNIS64247.2024.10823353	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
182	Dr. Kanmani Ruby E D	Enhanced Lung Cancer Detection Using CNNs for Accurate and Efficient CT Image Classification	Jan-2024	Conference paper	2024 International Conference on Computing, Sciences and Communication s, ICCSC 2024	10.1109/ICCSC62048.2024.10830316	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
183	Dr. Kanimozhi T	IoT-Based Smart Signal System for Traffic Density Management and Emergency Vehicle Priority	Jan-2024	Conference paper	2024 International Conference on Intelligent Systems and Advanced Applications, ICISAA 2024	10.1109/ICISAA62385.2024.10828938	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
184	Dr. Beulah Jackson	A Blockchain-based IoT-Verifiable Query Service for Efficient and Authentic Data	Jan-2024	Conference paper	2024 Global Conference on Communication s and Information	10.1109/GCCIT63234.2024.10862562	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Retrieval in Cloud Systems			Technologies, GCCIT 2024				
185	Mr. Vinoth Kumar V	MentalHealthAI: Utilizing Deep Learning for Accurate Stress Level Prediction	Jan-2024	Conference paper	3rd International Conference on Automation, Computing and Renewable Systems, ICACRS 2024 - Proceedings	10.1109/ICACRS62842.2024.10841747	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
186	Mr. Venkataramanai ah B	Cyber Bullying Detection Using Deep Learning and Natural Language Processing	Jan-2024	Conference paper	Proceedings of 5th International Conference on IoT Based Control Networks and Intelligent Systems, ICICNIS 2024	10.1109/ICICNIS64247.2024.10823384	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
187	Dr. Balaji L	Blockchain Technology for Enhanced Transparency, Efficiency, and	Jan-2024	Conference paper	3rd International Conference on Automation, Computing and Renewable	10.1109/ICACRS62842.2024.10841774	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Security in Supply Chain Management			Systems, ICACRS 2024 - Proceedings				
188	Dr. Shiyamala S	Efficient Architectures of FIR Filters using Distributed Arithmetic	Jan-2024	Conference paper	3rd International Conference on Automation, Computing and Renewable Systems, ICACRS 2024 - Proceedings	10.1109/ICACRS62842.2024.10841557	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
189	Dr. Purushothaman K E	Latent Dirichlet Allocation for Topic Discovery and Segmentation in Big Data	Jan-2024	Conference paper	2024 Global Conference on Communication s and Information Technologies, GCCIT 2024	10.1109/GCCIT63234.2024.10862564	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
190	Dr. Uganya G	Enhancement of Security in IoT using Secure Hash Cryptography Algorithm with Double Encryption (SHCA-DE)	Jan-2024	Conference paper	Proceedings of the 9th International Conference on Communication and Electronics Systems, ICCES 2024	10.1109/ICCES63552.2024.10859644	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
191	Dr. Ezhilazhagan C	Human Sound Detection for Multiple Disease Classification Using CNN	Jan-2024	Conference paper	Lecture Notes in Networks and Systems	10.1007/978-981-97-8537-7_2	1163	Springer Science and Business Media Deutschland GmbH	Scopus
192	Dr. Sasikala G	Advancements in Artificial Intelligence for Better Image Analysis, Recognition, and Interpretation in the Field of Image Processing	Jan-2024	Conference paper	2024 Global Conference on Communications and Information Technologies, GCCIT 2024	10.1109/GCCIT63234.2024.10862237	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
193	Mr. Vinoth Kumar V	VitiNet: Precision Grape Disease Identification with Deep Learning	Jan-2024	Conference paper	3rd International Conference on Automation, Computing and Renewable Systems, ICACRS 2024 - Proceedings	10.1109/ICACRS62842.2024.10841779	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
194	Mr. Ezilarasan MR	Design and Implementation of Telemedicine System Using Light Fidelity and PIC16F877A Microcontroller	Jan-2024	Conference paper	2024 14th International Conference on Information Science and Technology, ICIST 2024	10.1109/ICIST63249.2024.10805278	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
195	Dr. Sridevi S	Seagrass Species Recognition using Generalized Transfer Learning Resnet CNN Synergized with Support Vector Machine	Jan-2024	Conference paper	IEEE International Conference on Electronic Systems and Intelligent Computing, ICESIC 2024 - Proceedings	10.1109/ICESIC61777.2024.10846004	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
196	Dr. Vaishnavi T	Wi-Fi Lockdown: Ensuring Rock-Solid Security in Wireless Environments	Jan-2024	Conference paper	2024 Global Conference on Communication s and Information Technologies, GCCIT 2024	10.1109/GCCIT63234.2024.10862288	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
197	Dr. Prithivi Rajan V	Machine Learning for Predictive Maintenance in Industrial Equipment: Challenges and Application	Jan-2024	Conference paper	2024 4th Asian Conference on Innovation in Technology, ASIANCON 2024	10.1109/ASIANCON62057.2024.10837862	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
198	Dr. Koushick V	A Coupling - Patterned Microstrip Patch Antenna for X-Band Applications	Jan-2024	Conference paper	2nd IEEE International Conference on Integrated Intelligence and Communication	10.1109/ICIICS63763.2024.10859390	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Systems, ICIICS 2024				
199	Mr. Imran Javeed S	MultimodNet: A Multimodal Deep Learning Model for COPD Staging based on Chest X-Ray and Pulmonary Function Tests	Jan-2024	Conference paper	3rd International Conference on Automation, Computing and Renewable Systems, ICACRS 2024 - Proceedings	10.1109/ICACRS62842.2024.10841790	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
200	Dr. Prithivi Rajan V	Transforming Healthcare: AI Models for Predictive Analysis in Medical Applications	Jan-2024	Conference paper	2024 4th Asian Conference on Innovation in Technology, ASIANCON 2024	10.1109/ASIANCON62057.2024.10837590	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
201	Dr. Sanmugasundaram R	A Compact Nested Triangular Loop Antenna for Quad-band Wireless Application	Jan-2024	Conference paper	2nd IEEE International Conference on Integrated Intelligence and Communication Systems, ICIICS 2024	10.1109/ICIICS63763.2024.10860017	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
202	Dr. Jency Rubia J	Deep Computational Based Blocking Effect Cancellation for Digital Image Compression	Jan-2024	Conference paper	4th International Conference on Power, Energy, Control and Transmission Systems: Harnessing Power and Energy for an Affordable Electrification of India, ICPECTS 2024	10.1109/ICPEC TS62210.2024.10780371	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
203	Dr. Rosi A	Novel Gender and Age Prediction from Real Time Facial Images using Linear Regression Algorithm	Jan-2024	Conference paper	8th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2024 - Proceedings	10.1109/ICECA 63461.2024.10801063	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
204	Dr. Sathesh M	Design and Optimization of Low-Latency Communication Protocols for 5G-Enabled Autonomous Vehicle Networks	Jan-2024	Conference paper	2024 International Conference on Cybernation and Computation,	10.1109/CYBER COM63683.2024.10803212	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					CYBERCOM 2024				
205	Dr. Nalini N	Enhanced Rice Leaf Disease Detection using Densenet201 for Improved Classification Accuracy and Reduced Misclassification Error	Jan-2024	Conference paper	8th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2024 - Proceedings	10.1109/ICECA63461.2024.10801043	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
206	Dr. Sathesh M	Edge Computing Integration in IoT Networks for Real-Time Data Processing	Jan-2024	Conference paper	2024 International Conference on Cybernation and Computation, CYBERCOM 2024	10.1109/CYBERCOM63683.2024.10803202	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
207	Dr. Sheik Arafat I	Echoes of Adiposity: Unveiling Epicardial Fat Segmentation in Biomedical Imaging	Jan-2024	Conference paper	Springer Proceedings in Physics	10.1007/978-3-031-69970-2_20	NA	Springer Science and Business Media Deutschland GmbH	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
208	Dr. Muthukrishnan A	Exploring Quantum Machine Learning Algorithms for Enhanced Data Classification and Clustering in Complex Systems - Integration with Gradient Boosting and K-means for Improved Performance	Jan-2024	Conference paper	2024 International Conference on Cybernation and Computation, CYBERCOM 2024	10.1109/CYBERCOM63683.2024.10803157	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
209	Dr. Berakhah F Stanley	A Multimodal Deep Learning Architecture For Accurate Brain Tumor Detection And Classification	Jan-2024	Conference paper	4th International Conference on Power, Energy, Control and Transmission Systems: Harnessing Power and Energy for an Affordable Electrification of India, ICPECTS 2024	10.1109/ICPEC TS62210.2024.10780108	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
210	Dr. Uganya G	Performance Analysis of Fast Fourier Transforms Using Binary Signed Digit Number System	Jan-2024	Conference paper	4th International Conference on Power, Energy, Control and Transmission Systems: Harnessing Power and Energy for an Affordable Electrification of India, ICPECTS 2024	10.1109/ICPEC TS62210.2024.10780027	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
211	Dr. Shiyamala S	Performance Evaluation of a High-Frequency PLL with a 20.70 GHz VCO and Low-Phase Noise	Jan-2024	Conference paper	8th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2024 - Proceedings	10.1109/ICECA 63461.2024.10801105	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
212	Dr. Jana S	AI-Based Computational Intelligence Theory	Jan-2024	Book chapter	Computational Intelligence: Theory and Applications	10.1002/9781394214259.ch3	NA	wiley	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
213	Dr. Uganya G	Deep Learning-Based Classification of Skin Lesions for Early Melanoma Detection	Jan-2024	Conference paper	4th International Conference on Power, Energy, Control and Transmission Systems: Harnessing Power and Energy for an Affordable Electrification of India, ICPECTS 2024	10.1109/ICPEC TS62210.2024. 10779990	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
214	Dr. Muthukrishnan A	Real-Time Monitoring and Control Systems Using IoT-Integrated Wireless Sensor Networks-Leveraging Machine Learning Algorithms for Enhanced Performance and Efficiency	Jan-2024	Conference paper	2024 International Conference on Cybernation and Computation, CYBERCOM 2024	10.1109/CYBER COM63683.2024.10803214	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
215	Dr. Sathesh M	Advanced Deep Learning Approaches for Enhanced Satellite Image Analysis and Comprehensive Land	Jan-2024	Conference paper	2024 International Conference on Cybernation and Computation,	10.1109/CYBER COM63683.2024.10803241	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Use Classification in Diverse Environmental Contexts			CYBERCOM 2024				
216	Dr. Aloy Anuja Mary G	IOT Enabled Cloud Based Risk Monitoring System in Food Supply Chain	Jan-2024	Conference paper	Lecture Notes in Networks and Systems	10.1007/978-3-031-73318-5_37	NA	Springer Science and Business Media Deutschland GmbH	Scopus
217	Dr. Bharathi C R	Deep Learning-based Image Processing for Early Detection of Stripe Rust in Wheat Crops using CNN Model	Jan-2024	Conference paper	8th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2024 - Proceedings	10.1109/ICECA63461.2024.10800802	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
218	Dr. Anandan M	Internet of Medical Things (IoMT)	Jan-2024	Book chapter	Smart Hospitals: 5G, 6G and Moving Beyond Connectivity	10.1002/9781394275472.ch5	NA	wiley	Scopus
219	Dr. Jana S	A Dynamic Traffic Orchestration for Seamless Urban Mobility using Nexus Flow	Jan-2024	Conference paper	8th International Conference on Electronics, Communication and Aerospace	10.1109/ICECA63461.2024.10800890	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Technology, ICECA 2024 - Proceedings				
220	Dr. Muthukumaran D	Design and Development of LiFi Assisted Intelligent Data Transmission Using Secured Wireless Communication Principles	Jan-2024	Conference paper	4th International Conference on Power, Energy, Control and Transmission Systems: Harnessing Power and Energy for an Affordable Electrification of India, ICPECTS 2024	10.1109/ICPEC TS62210.2024.10780143	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
221	Dr. Velmurugan V	MCHeRA: An Efficient Multi Cloud Heuristic Resource Allocation using Grey Wolf Optimization	Jan-2024	Conference paper	Proceedings of the 5th International Conference on Data Intelligence and Cognitive Informatics, ICDICI 2024	10.1109/ICDICI 62993.2024.10810978	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
222	Dr. Anandan M	The Impact of 5G and 6G on Healthcare	Jan-2024	Book chapter	Smart Hospitals: 5G, 6G and Moving Beyond Connectivity	10.1002/9781394275472.ch6	NA	wiley	Scopus
223	Dr. Uganya G	Augmentation of Emotional Intelligence - A Reservoir Computing Driven, EEG-Based Analysis	Jan-2024	Conference paper	4th International Conference on Power, Energy, Control and Transmission Systems: Harnessing Power and Energy for an Affordable Electrification of India, ICPECTS 2024	10.1109/ICPEC TS62210.2024.10780394	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
224	Dr. Purushothaman K E	Brain Tumor Classification Using CNNs	Jan-2024	Conference paper	4th International Conference on Power, Energy, Control and Transmission Systems: Harnessing Power and Energy for an Affordable	10.1109/ICPEC TS62210.2024.10780208	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Electrification of India, ICPECTS 2024				
225	Dr. Ashwinl A	Artificial Intelligence based Facial Emotion Recognition with Deep Neural GAN Augmentation	Jan-2024	Conference paper	8th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2024 - Proceedings	10.1109/ICECA 63461.2024.10800804	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
226	Dr. Karthikeyan K A	Cyber-physical system enabled 3D printed devices	Jan-2024	Book chapter	3D Printed Smart Sensors and Energy Harvesting Devices: Concepts, Fabrication and Applications	10.1088/978-0-7503-5351-9ch9	NA	Institute of Physics Publishing	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
227	Dr. Sathesh Raaj R	IRS-assisted UAV Communications for smart applications	Jan-2024	Conference paper	2024 1st International Conference on Innovations in Communication s, Electrical and Computer Engineering, ICICEC 2024	10.1109/ICICEC 62498.2024.10808210	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
228	Dr. Ashwinl A	AI based Mental Health Assisted Chatbot System	Jan-2024	Conference paper	4th International Conference on Power, Energy, Control and Transmission Systems: Harnessing Power and Energy for an Affordable Electrification of India, ICPECTS 2024	10.1109/ICPEC TS62210.2024.10780017	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
229	Dr. Ashwinl A	KPI Metrics based Promotion Predictive Analysis (PPA) Model	Jan-2024	Conference paper	4th International Conference on Power, Energy, Control and Transmission Systems: Harnessing Power and Energy for an Affordable Electrification of India, ICPECTS 2024	10.1109/ICPEC TS62210.2024. 10780297	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
230	Dr. Ferlin Deva Shahila D	BCI based Ambient Assisted Living (AAL) of Lock-in-Syndrome (LIS)	Jan-2024	Conference paper	4th International Conference on Power, Energy, Control and Transmission Systems: Harnessing Power and Energy for an Affordable Electrification of India, ICPECTS 2024	10.1109/ICPEC TS62210.2024. 10780287	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
231	Dr. Vaishnavi T	Revolutioning IIot: A Smart Appliance of an Internet of Things over Industrial Manufacturing Unit to Make Error-Free Circumstances	Jan-2024	Conference paper	2024 International Conference on Cybernation and Computation, CYBERCOM 2024	10.1109/CYBERCOM63683.2024.10803204	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
232	Dr. Ferlin Deva Shahila D	Wireless Simulator: Empowering Remote Operations By Demystifying Modulation Techniques	Jan-2024	Conference paper	4th International Conference on Power, Energy, Control and Transmission Systems: Harnessing Power and Energy for an Affordable Electrification of India, ICPECTS 2024	10.1109/ICPEC TS62210.2024.10780259	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
233	Dr. Sheik Arafat I	CryptaVision's Innovation in Biomedical Image Security Through 3-D Hybrid Confusion-Diffusion and CLT Map Integration	Jan-2024	Conference paper	Springer Proceedings in Physics	10.1007/978-3-031-69970-2_35	NA	Springer Science and Business Media Deutschland GmbH	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
234	Dr. Suresh P	Comparative Analysis of Encryption Approaches for Mitigating IoT Network Attacks: Evaluating Performance and Security Metrics	Jan-2024	Conference paper	2024 1st International Conference on Innovations in Communications, Electrical and Computer Engineering, ICICEC 2024	10.1109/ICICEC62498.2024.10808845	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
235	Dr. Rajkumar R	Condition Monitoring of Greenhouse Farming for Controlled Environment	Jan-2024	Conference paper	2024 3rd International Conference for Advancement in Technology, ICONAT 2024	10.1109/ICONAT61936.2024.10775257	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
236	Dr. Ezhil E Nithila	MangoLeafNet: Transforming Mango Leaf Disease Management with Deep Learning	Jan-2024	Conference paper	4th International Conference on Sustainable Expert Systems, ICSES 2024 - Proceedings	10.1109/ICSES63445.2024.10763204	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
237	Dr. Remya R	Smart medical devices: making healthcare more intelligent	Jan-2024	Book chapter	Machine Learning Models and Architectures for Biomedical Signal Processing	10.1016/B978-0-443-22158-3.00020-X	NA	Elsevier	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
238	Mr. Vinoth Kumar V	Improving Tomato Disease Diagnosis Through ResNet50: An Innovative Approach	Jan-2024	Conference paper	4th International Conference on Sustainable Expert Systems, ICSES 2024 - Proceedings	10.1109/ICSES63445.2024.10763386	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
239	Dr. Sheik Arafat I	Advanced Fog and Pollution-Resistant Accident Detection System	Jan-2024	Conference paper	10th International Conference on Electrical Energy Systems, ICEES 2024	10.1109/ICEES61253.2024.10776913	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
240	Dr. Remya R	Artificial intelligence-based diagnostic tools for cardiovascular risk prediction	Jan-2024	Book chapter	Machine Learning Models and Architectures for Biomedical Signal Processing	10.1016/B978-0-443-22158-3.00022-3	NA	Elsevier	Scopus
241	Dr. Koushick V	Performance Analysis of Complementary Split Ring Resonator with Improved Four Element Antenna for X Band Wireless Applications	Jan-2024	Article	Progress in Electromagnetic s Research M	10.2528/PIERM24102401	130	Electromagnetics Academy	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
242	Dr. Muthukumaran D	The Framework of IoT-Based Paradigms to Renewable Power Utilization and Distribution by Microgrid	Jan-2024	Book chapter	Sustainable Smart Homes and Buildings with Internet of Things	10.1002/9781394231522.ch8	NA	wiley	Scopus
243	Dr. Ezhil E Nithila	Smart Irrigation: Enhancing Agricultural Efficiency with IoT-Connected Drones and Machine Learning	Jan-2024	Conference paper	Proceedings of NKCon 2024 - 3rd Edition of IEEE NKSS's Flagship International Conference: Digital Transformation: Unleashing the Power of Information	10.1109/NKCon62728.2024.10775252	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
244	Dr. Sathesh M	Design of Novel Energy Management System in Solar PV Powered EV Charging Station Using Artificial Gorilla Troops Optimization	Jan-2024	Book chapter	Deep Learning Applications in Operations Research	10.1201/9781032725444-18	NA	CRC Press	Scopus
245	Dr. Aloy Anuja Mary G	Leveraging 6G Technology for Advancements in Smart Agriculture:	Jan-2024	Book chapter	Development of 6G Networks and Technology	10.1002/9781394230686.ch15	NA	wiley	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Opportunities and Challenges							
246	Dr. Ritwik Haldar	Enhancing Student Well-Being Prediction with an Innovative Attention-LSTM Model	Jan-2024	Article	International Journal of Advanced Computer Science and Applications	10.14569/IJACS A.2024.0150972	15 (9)	Science and Information Organization	WoS
247	Dr. Purushothaman K E	Fault Detection in Solar Power System with Internet of Things using Multi resolution Sinusoidal Neural Network - Snow Geese Optimization Approach	Jan-2024	Conference paper	4th International Conference on Sustainable Expert Systems, ICSES 2024 - Proceedings	10.1109/ICSES 63445.2024.10763318	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
248	Dr. Ajisha M	Optimising Diabetic Retinopathy Classification using EfficientNetB7	Jan-2024	Conference paper	4th International Conference on Sustainable Expert Systems, ICSES 2024 - Proceedings	10.1109/ICSES 63445.2024.10763368	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
249	Dr. Sathesh M	Predicting Crop Yield Using Quantum Neural Networks	Jan-2024	Book chapter	Deep Learning Applications in Operations Research	10.1201/9781032725444-1	NA	CRC Press	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
250	Dr. Ajisha M	Resilient Framework for Next-Generation Heterogeneous Wireless Networks in Disaster Management	Jan-2024	Conference paper	4th International Conference on Sustainable Expert Systems, ICSES 2024 - Proceedings	10.1109/ICSES63445.2024.10763145	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
251	Dr. Britto Pari J	An Efficient FPGA-Based Welch Power Spectral Density for Real-Time Applications	Jan-2024	Article	Journal of Circuits, Systems and Computers	10.1142/S0218126625501270	34(5)	World Scientific	WoS
252	Dr. Ajisha M	AppleDiseaseNet-B7: A Robust Solution for Apple Leaf Disease Classification and Model Evaluation	Jan-2024	Conference paper	4th International Conference on Sustainable Expert Systems, ICSES 2024 - Proceedings	10.1109/ICSES63445.2024.10762951	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
253	Dr. Prabha M	Integration of AI and IoT Used to Manage and Secure the Renewable Energy Management in the Environment	Jan-2024	Book chapter	Sustainable Smart Homes and Buildings with Internet of Things	10.1002/9781394231522.ch14	NA	wiley	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
254	Mr. Vinoth Kumar V	Innovative Solar Ironing System: Combining Renewable Energy with Advanced Deep Learning Techniques	Jan-2024	Conference paper	4th International Conference on Sustainable Expert Systems, ICSES 2024 - Proceedings	10.1109/ICSES63445.2024.10762993	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
255	Dr. Kavitha P	An Economic IoT-driven Rural Greenhouse Control System for Optimal Plant Growth	Jan-2024	Conference paper	2024 3rd International Conference for Advancement in Technology, ICONAT 2024	10.1109/ICONAT61936.2024.10774915	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
256	Dr. Purushothaman K E	Improving Microgrid Reliability and Efficiency Through Energy Storage Systems with a Pyramidal Dilation Attention Convolutional Neural Network for Renewable Energy Integration	Jan-2024	Conference paper	4th International Conference on Sustainable Expert Systems, ICSES 2024 - Proceedings	10.1109/ICSES63445.2024.10763261	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
257	Dr. Muthukumaran D	Graph Neural Networks for Resource Allocation Optimization in Healthcare Industry	Jan-2024	Conference paper	2nd International Conference on Self Sustainable Artificial	10.1109/ICSSA564001.2024.10760943	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Intelligence Systems, ICSSAS 2024 - Proceedings				
258	Dr. Bikash Ranjan Behera	Role of Metalens in Designing Effective Antennas towards the Urban Transformation in Sub-6 GHz Bands Solution from the Design Prospective	Jan-2024	Book chapter	5G and beyond Wireless Networks: Technology, Network Deployments, and Materials for Antenna Design	10.1201/9781003407836-10	NA	CRC Press	Scopus
259	Dr. Raja C	Exploring the Potential of Deep Learning in Parkinson's Disease Drug Discovery	Jan-2024	Conference paper	2024 International Conference on Advances in Computing Research on Science Engineering and Technology, ACROSET 2024	10.1109/ACROSET62108.2024.10743510	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
260	Dr. Balamuralitharan B	Different optical fiber hybrid repeater amplifiers arrangement for optical losses and	Jan-2024	Article	Journal of Optical Communications	10.1515/joc-2024-0244	NA	Walter de Gruyter GmbH	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		optical dispersion management in the presence of modulation code schemes							
261	Dr. Dhanabalan G	Precise Node Authentication using Dynamic Session Key Set and Node Pattern Analysis for Malicious Node Detection in Wireless Sensor Networks	Jan-2024	Article	International Journal of Computational and Experimental Science and Engineering	10.22399/ijcese n.613	10 (4)	Prof.Dr. İskender AKKURT	Scopus
262	Dr. Kanimozhi T	A Lightweight and Smart Deep Kernel Network Learning System for Energy Management and Control in Electrical Ships	Jan-2024	Article	Iranian Journal of Science and Technology - Transactions of Electrical Engineering	10.1007/s4099 8-024-00766-2	NA	Springer Nature	WoS
263	Dr. Uganya G	Hybrid Machine Learning Approach of "KNN – LSTM" for detection of Brain Tumour in MR images	Jan-2024	Conference paper	2024 15th International Conference on Computing Communication and Networking Technologies, ICCCNT 2024	10.1109/ICCCN T61001.2024.1 0726058	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
264	Dr. Bikash Ranjan Behera	Metasurface-Based Circularly Polarized Monopole Antenna for Internet-of-Things Application	Jan-2024	Conference paper	2024 IEEE International Conference on Smart Power Control and Renewable Energy, ICSPCRE 2024	10.1109/ICSPCRE62303.2024.10674889	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
265	Mr. Dileepan D	Design of Novel CPW fed High Isolation Quad-Port MIMO Antenna with Dual-Band Resonance	Jan-2024	Conference paper	2024 15th International Conference on Computing Communication and Networking Technologies, ICCCNT 2024	10.1109/ICCCNT61001.2024.10725556	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
266	Dr. Velmurugan V	Next-Generation Wearable Antenna: Optimized Multi-Band Performance for Advanced Wireless Systems and Applications	Jan-2024	Conference paper	5th International Conference on Circuits, Control, Communication and Computing, I4C 2024	10.1109/I4C62240.2024.10748486	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
267	Dr. Arun Kumar J	Utilizing Artificial Intelligence for Plant Phenotyping in Soilless Farming: An Innovative Deep	Jan-2024	Conference paper	2024 IEEE International Conference on Smart Power Control and Renewable	10.1109/ICSPCRE62303.2024.10674881	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Learning Approach on a Unique Dataset			Energy, ICSPCRE 2024				
268	Dr. Rahul S G	Design of Transcutaneous Electrical Nerve Stimulator Machine for Chronic Low Back Pain	Jan-2024	Conference paper	5th International Conference on Circuits, Control, Communication and Computing, I4C 2024	10.1109/I4C62240.2024.10748423	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
269	Dr. Balaji L	The Challenge of Adversarial Machine Learning in the Context of Smart Homes	Jan-2024	Conference paper	2024 International Conference on Advances in Computing Research on Science Engineering and Technology, ACROSET 2024	10.1109/ACROSET62108.2024.10743233	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
270	Mr. Mohan Sai Kumar Ch	The intelligent optimization of AI/ML framework to Detect Network Abnormalities via Time Series Analysis	Jan-2024	Conference paper	2024 15th International Conference on Computing Communication and Networking	10.1109/ICCCN T61001.2024.10725899	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Technologies, ICCCNT 2024				
271	Mr. Aanandha Saravanan K	Enhanced Quantitative Financial Analysis Using CNN-LSTM Cross-Stitch Hybrid Networks for Feature Integration	Jan-2024	Article	International Journal of Advanced Computer Science and Applications	10.14569/IJACS A.2024.0150977	15 (9)	Science and Information Organization	WoS
272	Dr. Shahnaz K V	Cross-Lingual Transfer Learning in RNNs for Enhancing Linguistic Diversity in Natural Language Processing	Jan-2024	Conference paper	2024 International Conference on Advances in Computing Research on Science Engineering and Technology, ACROSET 2024	10.1109/ACROS ET62108.2024.10743896	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
273	Dr. Rahul S G	Predicting Fish Diseases Using Machine Learning Based on Water Quality Parameters	Jan-2024	Conference paper	2024 15th International Conference on Computing Communication and Networking	10.1109/ICCCN T61001.2024.10725573	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Technologies, ICCCNT 2024				
274	Dr. Dasari Naga Vinod	Riddance of Weed Using an Agri-Robot Employed by Arduino and ESP32 CAM	Jan-2024	Conference paper	2024 15th International Conference on Computing Communication and Networking Technologies, ICCCNT 2024	10.1109/ICCCN T61001.2024.10724013	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
275	Dr. Arun Kumar J	Incorporating Edge-AI in IoT-Cloud Framework for Landslide Surveillance and Forecasting	Jan-2024	Conference paper	2024 IEEE International Conference on Smart Power Control and Renewable Energy, ICSPCRE 2024	10.1109/ICSPC RE62303.2024.10674861	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
276	Dr. Rahul S G	Virtual Instrumentation under Supervisory Control for Safe Water Level Monitoring	Jan-2024	Conference paper	5th International Conference on Circuits, Control, Communication and Computing, I4C 2024	10.1109/I4C62 240.2024.10748479	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
277	Mr. Pandiyarajan M	An Ensemble of InceptionNet and MobileNet Pretrained Deep Learning Models for Classifying Stages of Dementia	Jan-2024	Conference paper	2024 15th International Conference on Computing Communication and Networking Technologies, ICCCNT 2024	10.1109/ICCCN T61001.2024.10724196	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
278	Dr. Shahnaz K V	Unveiling Hidden Insights: Role of Data Analytics for Stakeholders in Modern Energy Internet	Jan-2024	Conference paper	2024 International Conference on Advances in Computing Research on Science Engineering and Technology, ACROSET 2024	10.1109/ACROS ET62108.2024.10743982	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
279	Dr. Rajkumar R	Advancing conservation: Internet of Things-driven initiatives for marine animal rescue due to climate changes [Climate Change]	Jan-2024	Article	IEEE Potentials	10.1109/MPOT. 2024.3434908	43 (2)	Institute of Electrical and Electronics Engineers Inc.	Scopus
280	Dr. Sathesh Raaj R	VLSI implementation of ECG feature extraction: a literature review	Jan-2024	Article	International Journal of Advanced	10.1504/IJAIP.2024.142661	29	Inderscience Publishers	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Intelligence Paradigms				
281	Dr. Arun Kumar J	AI-Enhanced Farming: A Real-Time Monitoring App powered by IoT	Jan-2024	Conference paper	Proceedings of the 5th International Conference on Smart Electronics and Communication, ICOSEC 2024	10.1109/ICOSE C61587.2024.10722624	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
282	Ms. Subha K J	Alzheimer's Disease Recognition and Detection using Machine Learning	Jan-2024	Conference paper	Proceedings of the 5th International Conference on Smart Electronics and Communication, ICOSEC 2024	10.1109/ICOSE C61587.2024.10722351	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
283	Dr. Annalakshmi G	Local Intensity Directional Boosted Hand Gesture Recognition using Machine Learning Technique	Jan-2024	Conference paper	Proceedings of the 5th International Conference on Smart Electronics and Communication, ICOSEC 2024	10.1109/ICOSE C61587.2024.10722600	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
284	Dr. Kanmani Pappa C	Novel Framework Design of MIMO Antenna for 5G Applications	Jan-2024	Conference paper	Proceedings of the 5th International Conference on Smart Electronics and Communication, ICOSEC 2024	10.1109/ICOSEC61587.2024.10722664	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
285	Dr. Jeen Retna Kumar R	NMF based Speech Enhancement using CNN	Jan-2024	Conference paper	15th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2024	979-8-3313-0057-9	NA	Grenze Scientific Society	Scopus
286	Dr. Purushothaman K E	Advancements in Cybersecurity Using Deep Learning Techniques Attack Detection for Trojan Horses	Jan-2024	Conference paper	2024 International Conference on Electrical, Electronics and Computing Technologies, ICEECT 2024	10.1109/ICEECT61758.2024.10739164	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
287	Dr. Balamuralitharan B	High capacity performance signature of micro optical mechanical	Jan-2024	Article	Journal of Optical Communications	10.1515/joc-2024-0241	NA	Walter de Gruyter GmbH	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		system switches based fiber Bragg grating scheme implementation in optical WDM data routed center networks							
288	Dr. Nandhini I	Robust Heart Rate Monitoring System: Contactless Approach using Fast Fourier Transform	Jan-2024	Conference paper	15th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2024	979-8-3313-0057-9	NA	Grenze Scientific Society	Scopus
289	Dr. Sheik Arafat I	Machine Learning Approaches to Classify Indian Mango Varieties	Jan-2024	Conference paper	Springer Proceedings in Physics	10.1007/978-3-031-69966-5_25	NA	Springer Science and Business Media Deutschland GmbH	Scopus
290	Dr. Kanmani Pappa C	Design of Microstrip Patch Antenna with S-Slits for Wireless Applications	Jan-2024	Conference paper	Proceedings of the 5th International Conference on Smart Electronics and	10.1109/ICOSE C61587.2024.10722146	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Communication, ICOSEC 2024				
291	Mr. Ramasamy R	Improving FANET Communication with a QoS Optimized Location-Aided Routing Protocol	Jan-2024	Conference paper	Proceedings of the 5th International Conference on Smart Electronics and Communication, ICOSEC 2024	10.1109/ICOSEC61587.2024.10722211	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
292	Dr. Sridevi S	Development of Unmanned Surface Vehicle for In-Situ Water Quality Measurement Using IoT	Jan-2024	Conference paper	Lecture Notes in Electrical Engineering	10.1007/978-981-97-6591-1_9	NA	Springer Science and Business Media Deutschland GmbH	Scopus
293	Dr. Kanmani Ruby E D	An improved visual reality experience for gaming applications using visual image processing	Jan-2024	Conference paper	2024 15th International Conference on Computing Communication and Networking Technologies, ICCCNT 2024	10.1109/ICCCNT61001.2024.10724728	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
294	Dr. P. Bhuvaneswari	Non Destructive Estimation of Electrolytes Present in Body Fluids using Multifrequency Bioelectrical Impedance Analysis	Jan-2024	Conference paper	Proceedings of the 5th International Conference on Smart Electronics and Communication, ICOSEC 2024	10.1109/ICOSEC61587.2024.10722539	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
295	Dr. Berakhah F Stanley	Classification of Various Stage of Diabetic Retinopathy Using Yolov7 Deep Neural Network	Jan-2024	Conference paper	2024 15th International Conference on Computing Communication and Networking Technologies, ICCCNT 2024	10.1109/ICCCNT61001.2024.10725191	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
296	Dr. Arun C A	Harnessing Machine Learning based sequence prediction for Industry 4.0 applications	Jan-2024	Conference paper	2024 15th International Conference on Computing Communication and Networking Technologies, ICCCNT 2024	10.1109/ICCCNT61001.2024.10724756	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
297	Dr. Prabha M	An improved Dynamic Traffic Routing Protocols for WSNs using Machine learning	Jan-2024	Conference paper	2024 15th International Conference on Computing Communication and Networking	10.1109/ICCCNT61001.2024.10724415	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Technologies, ICCCNT 2024				
298	Mr. Aanandha Saravanan K	Efficiently Listing URLs from Active Hidden Servers in the Onion Routing Network	Jan-2024	Conference paper	Proceedings of the 5th International Conference on Smart Electronics and Communication, ICOSEC 2024	10.1109/ICOSE C61587.2024.1 0722186	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
299	Dr. Koushick V	Investigation of Crystalline Electron Conductors	Jan-2024	Book chapter	Introduction to Functional Nanomaterials	10.1201/97810 03495437-2	NA	CRC Press	Scopus
300	Dr. Nandhini I	Integrating Convolutional and Recurrent Networks for Image Caption Generation: A Unified Approach	Jan-2024	Conference paper	2024 15th International Conference on Computing Communication and Networking Technologies, ICCCNT 2024	10.1109/ICCCN T61001.2024.1 0724799	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
301	Dr. Annalakshmi G	Marine Mammals Sound Classification using Extreme Learning Machine with Kepler	Jan-2024	Conference paper	Proceedings of the 5th International Conference on Smart	10.1109/ICOSE C61587.2024.1 0722183	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Optimization Algorithm			Electronics and Communication, ICOSEC 2024				
302	Mr. Vignesh Prasanna N	IoT based Energy Management System for Buildings	Jan-2024	Conference paper	Proceedings of the 5th International Conference on Smart Electronics and Communication, ICOSEC 2024	10.1109/ICOSEC61587.2024.10722229	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
303	Dr. Valarmathi R S	AI based Unauthorized Person Identification and Reporting using Pynq FPGA	Jan-2024	Conference paper	2024 15th International Conference on Computing Communication and Networking Technologies, ICCCNT 2024	10.1109/ICCCNT61001.2024.10724895	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
304	Dr. Arun C A	IoT Enabled Three Phase Smart Electrical Consumption Monitoring System Using ADE9000	Jan-2024	Conference paper	2024 15th International Conference on Computing Communication and Networking Technologies, ICCCNT 2024	10.1109/ICCCNT61001.2024.10724727	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
305	Dr. Valarmathi R S	Brain Tumour Classification Using Convolutional Neural Network	Jan-2024	Conference paper	2024 15th International Conference on Computing Communication and Networking Technologies, ICCCNT 2024	10.1109/ICCCN T61001.2024.10725486	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
306	Dr. Kalpana Devi P	Robust Learning Principle Design to Detect Diabetic Retinopathy Disease in Early Stages with Skilled Feature Extraction Policy	Jan-2024	Book chapter	Deep Learning in Biomedical Signal and Medical Imaging	10.1201/9781032635149-4	NA	CRC Press	Scopus
307	Dr. Murugeswari S	Real-Time Supply Chain Management using Automation and Big Data in the Cloud	Jan-2024	Conference paper	2024 15th International Conference on Computing Communication and Networking Technologies, ICCCNT 2024	10.1109/ICCCN T61001.2024.10724731	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
308	Dr. Purushothaman K E	Leveraging blockchain technology to combat deception, deepfake, and counterfeit system	Jan-2024	Article	Journal of Discrete Mathematical Sciences and Cryptography	10.47974/JDMS C-2087	21 (7)	Taru Publications	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
309	Dr. Muthukumaran D	Banking Security and Customer Experience: Cloud Computing-Enabled KYC in the Digital Era using ANN Model	Jan-2024	Conference paper	2024 International Conference on Electrical, Electronics and Computing Technologies, ICEECT 2024	10.1109/ICEEC T61758.2024.10739221	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
310	Mr. Ezilarasan M R	Distributed Stochastic Learning for Composite Sharing Optimization in Consumer Electronics	Jan-2024	Article	IEEE Transactions on Consumer Electronics	10.1109/TCE.2024.3506915	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
311	Dr. Senkumar M R	Oral Lesion Cell Segmentation and Classification using Convolution Neural Network Technique	Jan-2024	Conference paper	2024 IEEE 3rd World Conference on Applied Intelligence and Computing, AIC 2024	10.1109/AIC61668.2024.10730889	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
312	Dr. Aathmanesan T	Structural Electrochemical Characteristics of GO, ZnO and GO/ZnO Nanocomposite for Detecting Sulfamethoxazole in Tablet	Jan-2024	Conference paper	2024 3rd International Conference on Electrical, Electronics, Information and Communication Technologies, ICEEICT 2024	10.1109/ICEEICT61591.2024.10718517	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
313	Dr. Kavitha T	Design of Auto Encoder based on DNN for MIMO Systems	Jan-2024	Conference paper	2024 3rd International Conference on Electrical, Electronics, Information and Communication Technologies, ICEEICT 2024	10.1109/ICEEICT61591.2024.10718639	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
314	Dr. Jency Rubia J	Design of Proficient Fused MAC Unit for PID Controllers	Jan-2024	Conference paper	2024 3rd International Conference on Electrical, Electronics, Information and Communication Technologies, ICEEICT 2024	10.1109/ICEEICT61591.2024.10718394	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
315	Dr. Remya R	Advancing Alzheimer's Nodule Detection Through a Comprehensive Multi-Scene Deep Learning Framework	Jan-2024	Conference paper	10th International Conference on Advanced Computing and Communication Systems, ICACCS 2024	10.1109/ICACCS60874.2024.10717321	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
316	Dr. Prabha M	Optimized Spherical Network for Clustering based Fault-Tolerant and Reliable Routing in IoT-Enabled WSNs	Jan-2024	Conference paper	8th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC 2024 - Proceedings	10.1109/I-SMAC61858.2024.10714808	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
317	Dr. Yazhinian	Effect of Tissue Oxygen Saturation StO2 on the Prognosis of Dengue Illness in Indian Children Using Spectroscopic Technique	Jan-2024	Conference paper	2024 3rd International Conference on Electrical, Electronics, Information and Communication Technologies, ICEEICT 2024	10.1109/ICEEICT61591.2024.10718462	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
318	Dr. Rahul S G	IoT-Based Traffic Control System for Emergency Vehicles	Jan-2024	Conference paper	International Conference on Intelligent Algorithms for Computational Intelligence Systems, IACIS 2024	10.1109/IACIS61494.2024.10721837	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
319	Dr. Neelamegam D	Improving Energy Efficiency in Wireless Sensor Network with Intelligent Energy Prediction Using Machine Learning Approach	Jan-2024	Conference paper	2024 International Conference on Computational Intelligence for Green and Sustainable Technologies, ICCIGST 2024 - Proceedings	10.1109/ICCIGST60741.2024.10717574	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
320	Dr. Mazher Iqbal J L	BERT-Based Deep Learning Models for Enhanced Object Detection in Images	Jan-2024	Conference paper	2nd IEEE International Conference on Advances in Information Technology, ICAIT 2024 - Proceedings	10.1109/ICAIT61638.2024.10690710	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
321	Dr. Saravanan S	Context based ranking strategies for renowned instructional methodologies	Jan-2024	Article	Intelligence-Based Medicine	10.1016/j.ibmed.2024.100186	10	Elsevier B.V.	Scopus
322	Dr. Ezhil E Nithila	Integrated Ensemble Framework for Real-Time Building Stability Monitoring using Accelerometers and Strain Gauges	Jan-2024	Conference paper	8th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC	10.1109/I-SMAC61858.2024.10714827	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. w/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					2024 - Proceedings				
323	Dr. Kavitha T	A Circular Slotted Wide Band Antenna for Sub 6 GHz Wireless Applications	Jan-2024	Conference paper	2024 3rd International Conference on Electrical, Electronics, Information and Communication Technologies, ICEEICT 2024	10.1109/ICEEICT61591.2024.10718458	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
324	Dr. Abinaya A	Feasible Implementation of ALU for Next Generation Processors	Jan-2024	Conference paper	2024 3rd International Conference on Electrical, Electronics, Information and Communication Technologies, ICEEICT 2024	10.1109/ICEEICT61591.2024.10718541	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
325	Dr. Jana S	The hybrid feature incorporated dual deep learning architecture for the automatic jasmine plant disease	Jan-2024	Article	Current Science	10.18520/cs/v127/i9/1108-1113	127 (9)	Indian Academy of Sciences	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		detection and classification							
326	Dr. Nanmaran R	Improved Moth Flame Optimization with Deep Convolutional Neural Network for Colorectal Cancer Classification using Biomedical Images	Jan-2024	Conference paper	2nd IEEE International Conference on Advances in Information Technology, ICAIT 2024 - Proceedings	10.1109/ICAIT61638.2024.10690631	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
327	Dr. Mohanraj J	Numerical Investigation on Microfluidic Integrated Side Polished Fiber to Detect Biological Analytes	Jan-2024	Conference paper	Proceedings of the International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD	10.1109/NUSOD62083.2024.10723582	NA	IEEE Computer Society	Scopus
328	Dr. Mohanraj J	Deep Neural Network for Predicting Supercontinuum Broadening in Chalcogenide Photonic Quasi crystal Fiber	Jan-2024	Conference paper	Proceedings of the International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD	10.1109/NUSOD62083.2024.10723545	NA	IEEE Computer Society	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
329	Dr. Balaji L	A Method for Image De-Hazing for Vision Based Applications	Jan-2024	Conference paper	2024 International Conference on Computational Intelligence for Green and Sustainable Technologies, ICCIGST 2024 - Proceedings	10.1109/ICCIGST60741.2024.10717509	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
330	Dr. Koushick V	A Review of Fire Extinguishing and Smoke Exhaust Systems for Railway Safety	Jan-2024	Conference paper	8th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC 2024 - Proceedings	10.1109/I-SMAC61858.2024.10714740	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
331	Dr. Muthukumaran D	Proactive Risk Management for Handling Flammable Liquids Safely IoT Integration with Random Forest Algorithm	Jan-2024	Conference paper	8th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC 2024 - Proceedings	10.1109/I-SMAC61858.2024.10714731	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
332	Dr. Balaji L	Real-life boxing activity recognition with smartphones using attention assisted deep learning models	Jan-2024	Article	Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology	10.1177/17543371241293520	NA	SAGE Publications Ltd	Scopus
333	Dr. Mazher Iqbal J L	Maximizing Throughput and Minimizing Latency in 5G Networks through CatBoost Machine Learning Models	Jan-2024	Conference paper	2nd IEEE International Conference on Advances in Information Technology, ICAIT 2024 - Proceedings	10.1109/ICAIT61638.2024.10690636	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
334	Dr. Balaji L	Tuberculosis detection, an effective approach using convolutional neural network	Jan-2024	Conference paper	2024 International Conference on Computational Intelligence for Green and Sustainable Technologies, ICCIGST 2024 - Proceedings	10.1109/ICCIGST60741.2024.10717569	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
335	Dr. Kavitha T	Performance Analysis of Different Optical Filters for 5G Wireless Optical Communication Systems	Jan-2024	Conference paper	2024 3rd International Conference on Electrical, Electronics, Information and Communication Technologies, ICEEICT 2024	10.1109/ICEEICT61591.2024.10718529	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
336	Dr. Jency Rubia J	Self-powered triboelectric sensors for biomedical applications	Jan-2024	Book chapter	Self-powered Sensors: a Path to Wearable Electronics	10.1016/B978-0-443-13792-1.00005-5	NA	Elsevier	Scopus
337	Dr. Neelamegam D	Energy-efficient FDM printing of sustainable polymers: Optimization strategies for material and process performance	Jan-2024	Article	Applied Chemical Engineering	10.59429/ace.v7i3.5537	7 (3)	Arts and Science Press Pte. Ltd.	Scopus
338	Dr. Anto Bennet M	Performance Enhancement Strategies for Remaining Useful Life Estimation Using Advanced Recurrent Neural Network Models	Jan-2024	Conference paper	2nd International Conference on Intelligent Cyber Physical Systems and Internet of Things, ICoICI	10.1109/ICoICI62503.2024.10696773	NA	Institute of Electrical and Electronics Engineers Inc.	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					2024 - Proceedings				
339	Dr. Ashwinl A	Multibiometric Authentication System Using Gesture Recognition	Jan-2024	Conference paper	2nd International Conference on Intelligent Cyber Physical Systems and Internet of Things, ICoICI 2024 - Proceedings	10.1109/ICoICI 62503.2024.10696580	NA	Institute of Electrical and Electronics Engineers Inc.	WoS
340	Dr. Anto Bennet M	Arrhythmia Classification Using Reconfigurable All-Pass Filter in FPGA Devices	Jan-2024	Article	International Journal of Intelligent Engineering and Systems	10.22266/ijies2024.1231.18	17 (6)	Intelligent Network and Systems Society	Scopus
341	Dr. Kanmani Pappa C	Wastewater recycling to enhance environmental quality using fuzzy embedded with RNN-IOT for sustainable coffee farming	Jan-2024	Article	Global Nest Journal	10.30955/gnj.006346	26 (8)	Global NEST	WoS
342	Dr. Muthukumaran D	IFKC and Optimized DeTrac Deep	Jan-2024	Article	IETE Journal of Research	10.1080/03772063.2024.2409713	71(1)	Taylor and Francis Ltd.	WoS



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Convolutional Neural Network Based Location Prediction in the Mobile IOT							
343	Dr. David Neels Ponkumar D	Insight Review on Advanced Digital Manufacturing Technology Solutions for Industry 4.0	Jan-2024	Book chapter	Knowledge Management and Industry Revolution 4.0	10.1002/9781394242641.ch14	NA	wiley	Scopus
344	Dr. Aloy Anuja Mary G	Optimizing the Tensile and Flexural Properties of Flax/Sisal with SiO ₂ Nanocomposites Using Response Surface Methodology	Jan-2024	Article	Journal of Environmental Nanotechnology	10.13074/jent.2024.09.243785	13 (3)	Institute for Environmental Nanotechnology	Scopus
345	Dr. Beulah Jackson	Reliability Enhancement in 5G/6G Millimeter Wave and Terahertz Cellular Systems with a LSTM Model	Jan-2024	Conference paper	2nd International Conference on Intelligent Cyber Physical Systems and Internet of Things, ICoICI 2024 - Proceedings	10.1109/ICoICI62503.2024.10696788	NA	Institute of Electrical and Electronics Engineers Inc.	WoS
346	Dr. Ashwinl A	Deep Biometrics: Exploring the Intersection of Deep Learning and	Jan-2024	Book chapter	AI Based Advancements in Biometrics	10.1201/9781032702377-4	NA	CRC Press	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Biometric Applications			and its Applications				
347	Mr. Venkataramanai ah B	Alcoholic Consumption and Diabetes Prediction Using Machine Learning and Deep Learning	Jan-2024	Conference paper	2nd International Conference on Intelligent Cyber Physical Systems and Internet of Things, ICoICI 2024 - Proceedings	10.1109/ICoICI 62503.2024.10 696501	NA	Institute of Electrical and Electronics Engineers Inc.	WoS
348	Dr. Ezhil E Nithila	AI-Powered Demand Response Mechanisms for Sustainable Smart Grids	Jan-2024	Conference paper	5th International Conference on Electronics and Sustainable Communication Systems, ICESC 2024 - Proceedings	10.1109/ICESC 60852.2024.10 690089	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
349	Dr. Rahul S G	E-waste management in the digital era: A sustainable computing approach	Jan-2024	Article	IEEE Potentials	10.1109/MPOT. 2024.3473292	43 (2)	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
350	Dr. Valliammai M	Rational Quadratic Gaussian Process Regression Approaches for Identification of Active Pharmaceutical Ingredient in Biotin Tablets Using Hyperspectral Sensor	Jan-2024	Conference paper	5th International Conference on Electronics and Sustainable Communication Systems, ICESC 2024 - Proceedings	10.1109/ICESC60852.2024.10689911	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
351	Mr. Aanandha Saravanan K	Modelling for Predicting and Optimizing of the Tensile and Flexural Properties of Sisal/Carbon Fibre Nano-Composite through RSM	Jan-2024	Article	Journal of Environmental Nanotechnology	10.13074/jent.2024.09.242674	13 (3)	Institute for Environmental Nanotechnology	Scopus
352	Mr. Venkataramanai ah B	Real Time Mental Health Monitoring System using Machine Learning	Jan-2024	Conference paper	2nd International Conference on Intelligent Cyber Physical Systems and Internet of Things, ICoICI 2024 - Proceedings	10.1109/ICoICI62503.2024.10696460	NA	Institute of Electrical and Electronics Engineers Inc.	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
353	Dr. Rahul S G	Artificial Intelligence in Biometric Systems	Jan-2024	Book chapter	AI Based Advancements in Biometrics and its Applications	10.1201/9781032702377-3	NA	CRC Press	Scopus
354	Dr. P Bhuvaneswari	Integration of nanomaterials in FDM for enhanced surface properties: Optimized manufacturing approaches	Jan-2024	Article	Applied Chemical Engineering	10.59429/ace.v7i3.5534	7 (3)	Arts and Science Press Pte. Ltd.	Scopus
355	Dr. Aloy Anuja Mary G	Characterization of Mechanical Properties of Ramie/SiO ₂ Hybrid Composite by Incorporation of Kenaf Fiber	Jan-2024	Article	Journal of Environmental Nanotechnology	10.13074/jent.2024.09.242767	13 (3)	Institute for Environmental Nanotechnology	Scopus
356	Dr. Purushothaman K E	Innovative Urban Planning for Harnessing Blockchain and Edge Artificial Intelligence for Smart City Solutions	Jan-2024	Conference paper	2nd International Conference on Intelligent Cyber Physical Systems and Internet of Things, ICoICI 2024 - Proceedings	10.1109/ICoICI62503.2024.10696745	NA	Institute of Electrical and Electronics Engineers Inc.	WoS



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
357	Mr. Aanandha Saravanan K	AI Driven Anomaly Detection in Network Traffic Using Hybrid CNN-GAN	Jan-2024	Article	Journal of Advances in Information Technology	10.12720/jait.15.7.886-895	15 (7)	Engineering and Technology Publishing	WoS
358	Mr. Manimaraboo pat hy M	Enhanced Sarcasm Detection using Grey Wolf Optimizer with Deep Learning on Social Media	Jan-2024	Conference paper	2nd International Conference on Intelligent Cyber Physical Systems and Internet of Things, ICoICI 2024 - Proceedings	10.1109/ICoICI62503.2024.10696424	NA	Institute of Electrical and Electronics Engineers Inc.	WoS
359	Dr. Debashish Pal	Phonocardiography (PCG) Categorization using Deep Models	Jan-2024	Conference paper	2024 2nd World Conference on Communication and Computing, WCONF 2024	10.1109/WCONF61366.2024.10691975	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
360	Dr. Ashwinl A	A Cutting-edge Approach with Convolutional Neural Networks for Real-time Face Recognition	Jan-2024	Book chapter	AI Based Advancements in Biometrics and its Applications	10.1201/9781032702377-8	NA	CRC Press	Scopus
361	Dr. Nalini N	Design and Fabrication Development of Slotted T-Shaped Patch Antenna with	Jan-2024	Article	Plasmonics	10.1007/s11468-024-02553-5	NA	Springer	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Symmetrical CPW Feed for IOT and ITU Applications							
362	Dr. Uganya G	Assessing BER Reduction in VLC Systems Using Advanced QAM Techniques	Jan-2024	Conference paper	5th International Conference on Electronics and Sustainable Communication Systems, ICESC 2024 - Proceedings	10.1109/ICESC60852.2024.10689735	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
363	Mr. Imran Javeed S	A Low Profile Two Port MIMO Antenna with Enhanced Isolation for V2X Communication	Jan-2024	Conference paper	2024 2nd World Conference on Communication and Computing, WCONF 2024	10.1109/WCONF61366.2024.10692000	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
364	Dr. Rahul S G	IoT-Enhanced Automatic Child Detection System for Cars	Jan-2024	Conference paper	5th International Conference on Electronics and Sustainable Communication Systems, ICESC 2024 - Proceedings	10.1109/ICESC60852.2024.10690044	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
365	Dr. Ezhil E Nithila	Combining Fuzzy Logic and Reinforcement Learning for Resource Management in Edge Computing	Jan-2024	Conference paper	5th International Conference on Electronics and Sustainable Communication Systems, ICESC 2024 - Proceedings	10.1109/ICESC 60852.2024.10 689945	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
366	Dr. Ezhil E Nithila	Deep Learning Models for Understanding Audience Sentiments in Movie Tweets	Jan-2024	Conference paper	5th International Conference on Electronics and Sustainable Communication Systems, ICESC 2024 - Proceedings	10.1109/ICESC 60852.2024.10 689893	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
367	Dr. Remya R	Coin Detection by an Improved Convolutional Neural Network Approach	Jan-2024	Conference paper	5th International Conference on Electronics and Sustainable Communication Systems, ICESC 2024 - Proceedings	10.1109/ICESC 60852.2024.10 689852	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
368	Dr. Ashwinl A	Advancing the Unveiled Target Detection Using Masked Non-Harmonic Point Process Analysis Technique	Jan-2024	Conference paper	Proceedings of International Conference on Circuit Power and Computing Technologies, ICCPCT 2024	10.1109/ICCPCT61902.2024.10673143	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
369	Dr. Balaji L	A wavelet CNN with appropriate feed-allocation and PSO optimized activations for diabetic retinopathy grading	Jan-2024	Article	Automatika	10.1080/00051144.2024.2409552	85 (4)	Taylor and Francis Ltd.	WoS
370	Dr. Velmurugan V	Long wavelength fluoride optical glass fibers performance signature in high speed local area data networks	Jan-2024	Article	Journal of Optical Communications	10.1515/joc-2024-0180	NA	Walter de Gruyter GmbH	Scopus
371	Mr. Farithkhan A	A Federated Learning Paradigm for Early Alzheimer's Detection using MRI Imaging	Jan-2024	Conference paper	5th International Conference on Electronics and Sustainable Communication Systems, ICESC 2024 - Proceedings	10.1109/ICESC60852.2024.10689929	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
372	Dr. Rajkumar R	Data-Driven Decision Support System for Sustainable Energy Management: An AI-IoT Fusion Approach	Jan-2024	Conference paper	Proceedings - 2024 2nd International Conference on Inventive Computing and Informatics, ICICI 2024	10.1109/ICICI62254.2024.00099	NA	Institute of Electrical and Electronics Engineers Inc.	WoS
373	Dr. Ezhil E Nithila	Automated Pneumonia Classification Using DensePneumoNet in Chest CT Scans	Jan-2024	Conference paper	5th International Conference on Electronics and Sustainable Communication Systems, ICESC 2024 - Proceedings	10.1109/ICESC60852.2024.10690103	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
374	Dr. Rosi A	Revolutionizing Potato Crop Health Using Advanced Image Analysis with Efficient Classification Algorithm	Jan-2024	Conference paper	Proceedings of International Conference on Circuit Power and Computing Technologies, ICCPCT 2024	10.1109/ICCPCT61902.2024.10673374	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
375	Dr. Ashwinl A	Speed directive for Connected Autonomous Vehicles(CAV) on freeways	Jan-2024	Conference paper	Proceedings of International Conference on Circuit Power and Computing	10.1109/ICCPCT61902.2024.10672727	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Technologies, ICCPCT 2024				
376	Dr. Thenappan S	Enhancing Speech Recognition for Hearing-Impaired Individuals Using Deep Learning Models	Jan-2024	Conference paper	Proceedings of International Conference on Circuit Power and Computing Technologies, ICCPCT 2024	10.1109/ICCPCT61902.2024.10672961	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
377	Dr. Ferlin Deva Shahila D	Smart Farming Based Early Classification of Paddy Blast Disease Using Adaptive Deep Learning Algorithm	Jan-2024	Conference paper	Proceedings of International Conference on Circuit Power and Computing Technologies, ICCPCT 2024	10.1109/ICCPCT61902.2024.10673091	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
378	Mr. Imran Javeed S	IoT based Smart Voice and Gesture Controlled Wheelchair	Jan-2024	Conference paper	5th International Conference on Electronics and Sustainable Communication Systems, ICESC 2024 - Proceedings	10.1109/ICESC60852.2024.10690048	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
379	Dr. Ashwinl A	Hybrid Logic Style CMOS Full Adder Using 10-T XOR & XNOR Circuit	Jan-2024	Conference paper	Proceedings of International Conference on Circuit Power and Computing Technologies, ICCPCT 2024	10.1109/ICCPCT61902.2024.10672927	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
380	Dr. Joel Devadass Daniel D J	Optimized MSVM-RFE Model for Enhanced Urban Air Quality Management and Decision Support	Jan-2024	Conference paper	2nd IEEE International Conference on Data Science and Network Security, ICDSNS 2024	10.1109/ICDSNS62112.2024.10691113	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
381	Dr. Helina Rajini Suresh	Modified Artificial Hummingbird Algorithm with Deep Learning for Pest Detection through Leveraging Pattern Recognition-based Fusion Approach	Jan-2024	Conference paper	Proceedings of International Conference on Circuit Power and Computing Technologies, ICCPCT 2024	10.1109/ICCPCT61902.2024.10673127	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
382	Dr. Ferlin Deva Shahila D	Designing and Analyzing Secure SoC Architecture for IoT Devices	Jan-2024	Conference paper	Proceedings of International Conference on Circuit Power and Computing Technologies, ICCPCT 2024	10.1109/ICCPCT61902.2024.10673314	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
383	Dr. Nandhini I	Enhanced Investment Decision Making with a Reinforcement Learning-Based Multi-Agent Portfolio Management System	Jan-2024	Conference paper	2nd IEEE International Conference on Data Science and Network Security, ICDSNS 2024	10.1109/ICDSN S62112.2024.1 0691210	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
384	Dr. Kanmani Pappa C	Low Power MAC Using Modified Booth Encoder	Jan-2024	Conference paper	5th International Conference on Electronics and Sustainable Communication Systems, ICESC 2024 - Proceedings	10.1109/ICESC 60852.2024.10 689769	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
385	Dr. Annalakshmi G	Multi Feature Descriptor Based Ship Wake Detection Using AdaBoost-Weighted Extreme Learning Machine	Jan-2024	Conference paper	2024 IEEE Space, Aerospace and Defence Conference, SPACE 2024	10.1109/SPACE 63117.2024.10 667783	NA	Institute of Electrical and Electronics Engineers Inc.	WoS
386	Dr. Sasikala G	A Robust Design of Cooperative Model to Enhance Energy Efficiency over Heterogeneous 5G Wireless Sensor Network Paradigm	Jan-2024	Conference paper	2024 Asia Pacific Conference on Innovation in Technology, APCIT 2024	10.1109/APCIT 62007.2024.10 673603	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
387	Dr. Nalini N	Design of CMOS Based Lc-Voltage Control Oscillator Using Substrate Bias Effect and Low-Voltage Folded-Cascade Current Mirror Circuit	Jan-2024	Conference paper	Proceedings of International Conference on Circuit Power and Computing Technologies, ICCPCT 2024	10.1109/ICCPC T61902.2024.1 0672658	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
388	Dr. Ferlin Deva Shahila D	Experimental Tribological Investigation on EN39B in Aerospace Application	Jan-2024	Conference paper	Proceedings of International Conference on Circuit Power and Computing Technologies, ICCPCT 2024	10.1109/ICCPC T61902.2024.1 0672709	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
389	Dr. Ferlin Deva Shahila D	"refining Image Quality: Deep Neural Network Applications in Plane Wave Medical Imaging"	Jan-2024	Conference paper	Proceedings of International Conference on Circuit Power and Computing Technologies, ICCPCT 2024	10.1109/ICCPC T61902.2024.1 0673178	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
390	Dr. Kavitha T	A hybrid binary logical regression - gradient decent approach for dynamic cooperative spectrum sensing in CRN	Jan-2024	Article	International Journal of Electronics	10.1080/00207 217.2024.2408 792	NA	Taylor and Francis Ltd.	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
391	Mr. Vignesh Prasanna N	Hybrid Particle Swarm Optimization Algorithm with Deep Learning for Hyperspectral Images in Crops	Jan-2024	Conference paper	2nd IEEE International Conference on Data Science and Network Security, ICDSNS 2024	10.1109/ICDSN S62112.2024.1 0691267	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
392	Dr. Rosi A	AI Based Phishing Discrement for Immense E-Maildata	Jan-2024	Conference paper	Proceedings of International Conference on Circuit Power and Computing Technologies, ICCPCT 2024	10.1109/ICCPCT T61902.2024.1 0673317	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
393	Dr. Sathesh M	Graywolf Optimization Algorithm for Seizure Detection and Classification	Jan-2024	Conference paper	2nd IEEE International Conference on Data Science and Network Security, ICDSNS 2024	10.1109/ICDSN S62112.2024.1 0691086	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
394	Dr. Sheik Arafat I	Real Time Cattle Health Monitoring and Early Disease Detection Using IoT and Machine Learning	Jan-2024	Conference paper	5th International Conference on Electronics and Sustainable Communication Systems, ICESC 2024 - Proceedings	10.1109/ICESC 60852.2024.10 690107	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
395	Dr. Helina Rajini Suresh	An Integrative Computational Intelligence for Robust Anomaly Detection in Social Networks	Jan-2024	Article	Iraqi Journal for Computer Science and Mathematics	10.52866/ijcsm.2024.05.03.047	5 (3)	College of Education, Al-Iraqia University	Scopus
396	Dr. Rosi A	Detection of Tongue-Based Myeloid Sarcoma Using Novel Cat Swarm Optimization and Comparison with Particle Swarm Optimization Algorithm	Jan-2024	Conference paper	Proceedings of International Conference on Circuit Power and Computing Technologies, ICCPCT 2024	10.1109/ICCPCT61902.2024.10673123	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
397	Dr. Vaishnavi T	Efficient IoT Fire Safety and Bluetooth Enabled Notification Alert System	Jan-2024	Conference paper	5th International Conference on Electronics and Sustainable Communication Systems, ICESC 2024 - Proceedings	10.1109/ICESC60852.2024.10690079	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
398	Dr. Jana S	Automated Intracranial Hemorrhage Detection Using Deep Learning in	Jan-2024	Conference paper	2nd IEEE International Conference on Data Science and Network	10.1109/ICDSN562112.2024.10691276	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Medical Image Analysis			Security, ICDSNS 2024				
399	Dr. Bhuvaneswari P	Efficiency Improvement in Solar Cells: Comparing Single Junction and Tandem Photovoltaic's by Varying Anti-Reflective Coating Thickness	Jan-2024	Conference paper	5th International Conference on Electronics and Sustainable Communication Systems, ICESC 2024 - Proceedings	10.1109/ICESC60852.2024.10689757	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
400	Dr. Rahul S G	Fidelity-Guided Restoration: Balancing Noise Reduction and Texture Preservation for Enhanced Image Details	Jan-2024	Article	Communications on Applied Nonlinear Analysis	10.52783/cana.v31.1232	31 (6S)	International Publications	Scopus
401	Dr. Kalpana Devi P	BUFIT: FINE-GRAINED DYNAMIC BURST FAULT INJECTION TOOL FOR EMBEDDED FIELD PROGRAMMABLE GATE ARRAY TESTING	Jan-2024	Article	Revue Roumaine des Sciences Techniques Serie Electrotechnique et Energetique	10.59277/RRST - EE.2024.69.3.8	69 (3)	Publishing House of the Romanian Academy	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
402	Dr. Ferlin Deva Shahila D	Implementing TACH-O-MATIC for Real-Time Bicycle Speed and Distance Monitoring	Jan-2024	Conference paper	5th International Conference on Electronics and Sustainable Communication Systems, ICESC 2024 - Proceedings	10.1109/ICESC60852.2024.10690064	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
403	Mr. Balaji D	Enhancing Sign Language Recognition for Hearing-Impaired Individuals Using Deep Learning	Jan-2024	Conference paper	2nd IEEE International Conference on Data Science and Network Security, ICDSNS 2024	10.1109/ICDSNS62112.2024.10690989	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
404	Dr. Nalini N	Fetal Congenital Heart Disease Detection Using Firefly Segmentation and Decision Tree Classification Technique	Jan-2024	Conference paper	5th International Conference on Electronics and Sustainable Communication Systems, ICESC 2024 - Proceedings	10.1109/ICESC60852.2024.10689784	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
405	Dr. Sahaya Sheela M	Secure wireless sensor network transmission using reinforcement learning and	Jan-2024	Article	International Journal of Data Science and Analytics	10.1007/s41060-024-00633-7	NA	Springer Science and Business Media	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		homomorphic encryption						Deutschland GmbH	
406	Dr. Ashwinl A	Advanced Development on Real Time Monitoring of Bridges Using Wireless Fidelity	Jan-2024	Conference paper	Proceedings of International Conference on Circuit Power and Computing Technologies, ICCPCT 2024	10.1109/ICCPCT61902.2024.10672718	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
407	Dr. Vijayalakshmi S	An Edge Computing Enabled Internet of Medical Things Device for Remote Patient Health Monitoring Applications	Jan-2024	Conference paper	2024 IEEE Students Conference on Engineering and Systems: Interdisciplinary Technologies for Sustainable Future, SCES 2024	10.1109/SCES61914.2024.10652518	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
408	Dr. Muthukumaran D	IoT and Random Forest-Based Solutions for Blood Gas Quality Assurance in Clinical Laboratories	Jan-2024	Conference paper	2nd International Conference on Sustainable Computing and Smart Systems, ICSCSS 2024 - Proceedings	10.1109/ICSCSS60660.2024.10625431	NA	Institute of Electrical and Electronics Engineers Inc.	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
409	Dr. Nalini N	Different conventional commercial glass optical fibers composites physical parameters performance signature in short range optical transceiver systems	Jan-2024	Article	Journal of Optics (India)	10.1007/s12596-024-02197-y	NA	Springer	WoS
410	Mr. Srinath R	Epilepsy Disease Detection Using the Proposed CNN-FCM Approach	Jan-2024	Conference paper	Lecture Notes in Networks and Systems	10.1007/978-981-97-4928-7_29	NA	Springer Science and Business Media Deutschland GmbH	Scopus
411	Dr. Muthukumaran D	Empowering LiFi Technology: Experimental Design of Light Assisted Data Communication using Visible Light Communication Model	Jan-2024	Conference paper	Proceedings - 2024 5th International Conference on Image Processing and Capsule Networks, ICIPCN 2024	10.1109/ICIPCN63822.2024.00161	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
412	Dr. Rahul S G	Implementation of Fiber Bragg Grating for Dispersion Loss Compensation in	Jan-2024	Conference paper	2nd International Conference on Sustainable Computing and	10.1109/ICSCS560660.2024.10625277	NA	Institute of Electrical and Electronics Engineers Inc.	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Optical Fiber Communication			Smart Systems, ICSCSS 2024 - Proceedings				
413	Dr. Subitha D	Integrating IoT and Deep Learning for Smart Aquaculture Management in Freshwater Aquariums	Jan-2024	Conference paper	2nd International Conference on Sustainable Computing and Smart Systems, ICSCSS 2024 - Proceedings	10.1109/ICSCSS60660.2024.10625479	NA	Institute of Electrical and Electronics Engineers Inc.	WoS
414	Dr. Nirmal Jothi J	AI-Powered Smart Waste Bins: Improving Hostel Mess Cleanliness with IoT and Machine Learning	Jan-2024	Conference paper	2nd International Conference on Sustainable Computing and Smart Systems, ICSCSS 2024 - Proceedings	10.1109/ICSCSS60660.2024.10625369	NA	Institute of Electrical and Electronics Engineers Inc.	WoS
415	Dr. Jana S	Survey of Ankylosing Spondylitis for Biomedical Imaging with Deep Neural Networks	Jan-2024	Conference paper	2024 International Conference on Signal Processing, Computation, Electronics, Power and	10.1109/IconSCEPT61884.2024.10627872	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Telecommunicat ion, IConSCEPT 2024 - Proceedings				
416	Dr. Hemakumar V S	Monitoring Indoor Mint Crop Conditions for a Controlled Environment Using IoT	Jan- 2024	Conference paper	2nd International Conference on Sustainable Computing and Smart Systems, ICSCSS 2024 - Proceedings	10.1109/ICSCS S60660.2024.1 0624943	NA	Institute of Electrical and Electronics Engineers Inc.	WoS
417	Dr. Ashwinl A	Design of Highway Automated Toll Assortment Scheme for Intelligent Transportation Systems	Jan- 2024	Conference paper	2nd International Conference on Sustainable Computing and Smart Systems, ICSCSS 2024 - Proceedings	10.1109/ICSCS S60660.2024.1 0625270	NA	Institute of Electrical and Electronics Engineers Inc.	WoS
418	Dr. Muthukumaran D	ELCCFD: An Efficient and Enhanced Credit Card Fraud Detection using Enhanced Deep Learning Principle	Jan- 2024	Conference paper	Proceedings - 2024 5th International Conference on Image Processing and Capsule	10.1109/ICIPCN 63822.2024.00 062	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Networks, ICIPCN 2024				
419	Dr. Muthukrishnan A	Deep learning-based energy prediction and tangent search remora optimization-based secure multi-path data communication mechanism in WSN	Jan-2024	Article	Network: Computation in Neural Systems	10.1080/0954898X.2024.2393750	NA	Taylor and Francis Ltd.	WoS
420	Dr. Jency Rubia J	Efficient Data Compression on Healthcare Images Using Improved Hadamard Transform Based Filter	Jan-2024	Conference paper	Lecture Notes in Networks and Systems	10.1007/978-981-97-5504-2_6	NA	Springer Science and Business Media Deutschland GmbH	Scopus
421	Dr. Jency Rubia J	Nine Level Quadra Boost Inverter with Modified Level Shifted Pulse Width Modulation Technique	Jan-2024	Conference paper	2024 4th International Conference on Intelligent Technologies, CONIT 2024	10.1109/CONIT61985.2024.10627059	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
422	Dr. Ezhil E Nithila	An Advanced Decentralized Architecture enabled Logical Identity	Jan-2024	Conference paper	2024 4th International Conference on Intelligent	10.1109/CONIT61985.2024.10626801	NA	Institute of Electrical and Electronics	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		based Encryption Logic using Blockchain Assistance			Technologies, CONIT 2024			Engineers Inc.	
423	Dr. Rahul S G	Deep Optimized Smart Healthcare System for the Detection of Diabetes and Cardiovascular Ailments	Jan-2024	Conference paper	2024 IEEE International Conference on Information Technology, Electronics and Intelligent Communication Systems, ICITEICS 2024	10.1109/ICITEICS61368.2024.10625235	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
424	Dr. Sanmugasundaram R	E2FP-Net: Elevated Fusion Feature Pyramid Network for Alzheimer Detection	Jan-2024	Conference paper	2024 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication, IConSCEPT 2024 - Proceedings	10.1109/IConSCEPT61884.2024.10627785	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
425	Dr. Balaji L	PrescriptIQ: Revolutionizing Healthcare with AI-Powered Multilingual Prescription Decoding	Jan-2024	Conference paper	Proceedings - 2024 5th International Conference on Image Processing and Capsule Networks, ICIPCN 2024	10.1109/ICIPCN 63822.2024.00070	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
426	Dr. Muthukumaran D	IoT - Integrated Valet Parking for Shopping Malls and Retail Centers	Jan-2024	Conference paper	2nd International Conference on Sustainable Computing and Smart Systems, ICSCSS 2024 - Proceedings	10.1109/ICSCS S60660.2024.10625211	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
427	Dr. Oudaya Coumar S	Interference Reduction in UWB Receivers Using Miniaturized Axially Rotated Resonator Based UWB Notch Filter	Jan-2024	Article	Journal of The Institution of Engineers (India): Series B	10.1007/s40031-024-01140-w	NA	Springer	Scopus
428	Dr. Muthukumaran D	Experimental Analysis of Radioscopy Images based Pneumonia Disease Detection using Improved	Jan-2024	Conference paper	Proceedings - 2024 5th International Conference on Image Processing and	10.1109/ICIPCN 63822.2024.00009	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Neural Network Methodology			Capsule Networks, ICIPCN 2024				
429	Dr. Jency Rubia J	Level Shifted Phase Disposition PWM Control for Quadra Boost Multi Level Inverter	Jan-2024	Conference paper	2024 4th International Conference on Intelligent Technologies, CONIT 2024	10.1109/CONIT61985.2024.10626836	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
430	Dr. Jency Rubia J	A future prediction for cyber-attacks in the network domain with the visualisation of patterns in cyber-security tickets with machine learning	Jan-2024	Article	International Journal of Electronic Security and Digital Forensics	10.1504/IJESDF.2024.140758	16 (5)	Inderscience Publishers	Scopus
431	Dr. Sanmugasundaram R	3DSC2-UNet: Advancing Breast Cancer Segmentation Techniques Using the 3D Skipped Convolution Capsule-UNet	Jan-2024	Conference paper	2024 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication, IConSCEPT 2024 - Proceedings	10.1109/IConSCEPT61884.2024.10627776	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
432	Dr. Muthukumaran D	Leveraging IoT for Real-Time Air Quality Sensing and Optimization in Vehicle Interiors using Gradient Boosting Algorithm	Jan-2024	Conference paper	ICEPE 2024 - 6th International Conference on Energy, Power and Environment: Towards Indigenous Energy Utilization	10.1109/ICEPE63236.2024.10668881	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
433	Dr. Shiyamala S	SER Analysis of GFDM System over $\alpha - \mu$ Fading Channel for 5G Wireless Applications	Jan-2024	Article	Journal of Engineering Science and Technology Review	10.25103/jestr.174.22	17 (4)	International Hellenic University School of Science and Technology	Scopus
434	Dr. Sreelakshmy R	Design and Development of 6G in the X Subnetworks with Wireless Communications	Jan-2024	Conference paper	2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024	10.1109/ICACITE60783.2024.10616454	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
435	Dr. Sahaya Sheela M	A Development of 5G Technology in Cloud Computing and its Optimization Technique	Jan-2024	Conference paper	2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024	10.1109/ICACIT E60783.2024.10617049	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
436	Dr. Kavitha T	CMOS VLSI Implementation of Implicit Pulsed Dual Edge Triggered Flip Flop using Pass Transistor Logic for Power Efficient Applications	Jan-2024	Conference paper	Proceedings - 2024 4th International Conference on Pervasive Computing and Social Networking, ICPCSN 2024	10.1109/ICPCS N62568.2024.00170	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
437	Dr. Bhuvaneswari P	Machine Learning in Breast Cancer Treatment for Enhanced Outcomes with Regional Inductive Moderate Hyperthermia and Neoadjuvant Chemotherapy	Jan-2024	Article	Nanotechnology Perceptions	10.62441/nano-ntp.v20iS5.20	20 (S5)	Collegium Basilea	Scopus
438	Dr. Josephine Pon Gloria J	SMART FERTILIZING USING IOT MULTI-SENSOR AND	Jan-2024	Article	Scalable Computing	10.12694/scpe.v25i5.3132	25 (5)	West University of Timisoara	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		VARIABLE RATE SPRAYER INTEGRATED UAV							
439	Mr. Ezilarasan M R	Implementation of Realtime Image Fusion for Biomedical Applications Using ICA And Discrete Wavelet Transform	Jan-2024	Article	International Journal of Electrical and Electronics Research	10.37391/ijeer.120314	12 (3)	Forex Publication	Scopus
440	Dr. Valarmathi R S	VDRNet19: a dense residual deep learning model using stochastic gradient descent with momentum optimizer based on VGG-structure for classifying dementia	Jan-2024	Article	International Journal of Information Technology (Singapore)	10.1007/s41870-024-02103-6	NA	Springer Science and Business Media B.V.	Scopus
441	Dr. Anandan M	Design and Simulation of a Low Phase Noise Oscillator using Substrate Integrated Waveguide without Metallic Vias	Jan-2024	Conference paper	2024 4th International Conference on Intelligent Technologies, CONIT 2024	10.1109/CONIT61985.2024.10627020	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
442	Mr. Vinoth Kumar V	Image Compression Using Hybrid Radon Transform with Discrete Wavelet Transform Technique	Jan-2024	Conference paper	Lecture Notes in Networks and Systems	10.1007/978-981-97-1724-8_33	NA	Springer Science and Business Media	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
								Deutschland GmbH	
443	Dr. Uganya G	BC Based Secured Clinical System Execution for Dcd Prediction Through FC	Jan-2024	Conference paper	2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024	10.1109/ICACITE60783.2024.10616850	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
444	Mr. Sambath Kumar K	The Role of IOT in Creating SC'S through Ultra Fast Updation of the Status for Accurate Action Plan	Jan-2024	Conference paper	2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024	10.1109/ICACITE60783.2024.10616499	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
445	Dr. Thenappan S	Integrating Machine Learning for Early Diagnosis and Prognostic Assessment of Retinopathy of Premature Babies	Jan-2024	Conference paper	Proceedings - 3rd International Conference on Advances in Computing, Communication and Applied	10.1109/ACCAI61061.2024.10602334	NA	Institute of Electrical and Electronics Engineers Inc.	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Informatics, ACCAI 2024				
446	Ms. Diana Earshia V	Transformation from 5G N/W to 6G N/W Through Technology Inclusion	Jan-2024	Conference paper	2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024	10.1109/ICACIT E60783.2024.1 0617215	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
447	Ms. Diana Earshia V	The use of ML Algo Techniques in Translational Way of HC System (Medicine)	Jan-2024	Conference paper	2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024	10.1109/ICACIT E60783.2024.1 0617340	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
448	Dr. Sreelakshmy R	The Technical use of Mobile Robots in Developing Smart Cities in Integration with Vins	Jan-2024	Conference paper	2024 4th International Conference on Advance Computing and Innovative	10.1109/ICACIT E60783.2024.1 0617341	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Technologies in Engineering, ICACITE 2024				
449	Dr. Sahaya Sheela M	The Development of ID System for Detecting Attacks in WSN Through Ontology Method and its Strategy	Jan-2024	Conference paper	2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024	10.1109/ICACIT E60783.2024.10616975	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
450	Mr. Aswath S	Modified Box Filter Design and Noise Analysis on Two-Dimensional Images	Jan-2024	Conference paper	Lecture Notes in Networks and Systems	10.1007/978-981-97-1724-8_19	NA	Springer Science and Business Media Deutschland GmbH	Scopus
451	Dr. Raja C	The Healthcare IoTs as a Paradigm Shift in Healthcare Management, Patient Treatment, and Healthcare Data Processing	Jan-2024	Article	Journal of Intelligent Systems and Internet of Things	10.54216/JISIoT.130220	13 (2)	American Scientific Publishing Group (ASPG)	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
452	Ms. Subha K J	An improved ensemble deep learning framework for glaucoma detection	Jan-2024	Article	Multimedia Tools and Applications	10.1007/s11042-024-20088-z	NA	Springer	Scopus
453	Dr. Sreelakshmy R	The Integration of HMS using IOMT and CE Through ANFIS	Jan-2024	Conference paper	2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024	10.1109/ICACITE60783.2024.10616459	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
454	Dr. Beulah Jackson	Enhanced Wireless Communication Optimization with Neural Networks, Proximal Policy Optimization and Edge Computing for Latency and Energy Efficiency	Jan-2024	Article	International Journal of Electrical and Electronics Research	10.37391/IJEER.120250	12 (2)	Forex Publication	Scopus
455	Dr. Sahaya Sheela M	A Way of Making Smart Health Through Collaborating Machine Learning with the Bibliometrics	Jan-2024	Conference paper	2024 4th International Conference on Advance Computing and Innovative Technologies in	10.1109/ICACITE60783.2024.10617395	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Engineering, ICACITE 2024				
456	Dr. Balaji L	AN OPTIMIZATION ALGORITHM FOR SPARSE CODE MULTIPLE ACCESS CODEBOOK TO MAXIMIZE MUTUAL INFORMATION IN 5G	Jan-2024	Article	Telecommunications and Radio Engineering (English translation of Elektrosvyaz and Radiotekhnika)	10.1615/TelecomRadEng.2024.053179	83 (10)	Begell House Inc.	Scopus
457	Mr. Manimarabopathy M	Management of lateral misalignment loss and total insertion loss with beam waist control in high contrast single mode coupling fibers	Jan-2024	Article	Journal of Optical Communications	10.1515/joc-2024-0131	NA	Walter de Gruyter GmbH	Scopus
458	Dr. Dasari Naga Vinod	Prognosis of COVID-19 Using Ultrasound Scans Augmented by Generative Adversarial Networks	Jan-2024	Article	International Journal of Intelligent Engineering and Systems	10.22266/IJIES 2024.0831.45	17 (4)	Intelligent Network and Systems Society	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
459	Dr. Kavitha T	Performance Analysis of PAPR Reduction Techniques for Filter Bank Multicarrier	Jan-2024	Conference paper	Proceedings of the 3rd International Conference on Applied Artificial Intelligence and Computing, ICAAIC 2024	10.1109/ICAAIC60222.2024.10575810	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
460	Mr. Hushein R	Intelligent Energy Management System for Microgrids using Reinforcement Learning	Jan-2024	Conference paper	12th International Conference on Smart Grid, icSmartGrid 2024	10.1109/icSmartGrid61824.2024.10578075	NA	Institute of Electrical and Electronics Engineers Inc.	WoS
461	Dr. Jana S	Novel Urban Mobility Management Model with Dynamic Learning and Swarm Optimization for Neural Traffic Orchestration	Jan-2024	Conference paper	Proceedings - 3rd International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2024	10.1109/ACCAI61061.2024.10602296	NA	Institute of Electrical and Electronics Engineers Inc.	WoS
462	Dr. Dhanabalan G	Energy Efficient Data Transfer in Internet of Things Sensor Network using Message Queuing Telemetry Transport	Jan-2024	Conference paper	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/1375/1/012020	1375 (1)	Institute of Physics	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
463	Mr. Manimaraboo pat hy M	Cutting-Edge Technology: Exploring the Experimental Possibilities of Smart Virtual Wardrobe Design Using Internet of Things	Jan-2024	Conference paper	Proceedings - 3rd International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2024	10.1109/ACCAI 61061.2024.10 602408	NA	Institute of Electrical and Electronics Engineers Inc.	WoS
464	Dr. Sathesh M	Efficient Approach for Epileptic Seizure Classification and Detection based on Genetic Algorithm with CNN-RNN Classifier	Jan-2024	Conference paper	Proceedings - 3rd International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2024	10.1109/ACCAI 61061.2024.10 602166	NA	Institute of Electrical and Electronics Engineers Inc.	WoS
465	Dr. Murugeswari S	High speed operation efficiency of doped light sources with the silica-doped fiber channel for extended optical fiber system reach	Jan-2024	Article	Journal of Optical Communications	10.1515/joc-2024-0130	NA	Walter de Gruyter GmbH	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
466	Mr. Aswath S	Deep Learning - Enhanced Image Segmentation for Medical Diagnostics	Jan-2024	Conference paper	Proceedings - 3rd International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2024	10.1109/ACCAI 61061.2024.10602242	NA	Institute of Electrical and Electronics Engineers Inc.	WoS
467	Dr. Raja C	Evaluating Generative Adversarial Networks for Virtual Contrast-Enhanced Kidney Segmentation using Res-UNet in Non-Contrast CT Images	Jan-2024	Article	Multimedia Tools and Applications	10.1007/s11042-024-19626-6	NA	Springer	Scopus
468	Dr. Arun Mr	Traffic Sign Detection Problems using Convolutional Neural Techniques in Image Processing	Jan-2024	Conference paper	2024 International Conference on Intelligent Systems for Cybersecurity, ISCS 2024	10.1109/ISCS61804.2024.10581183	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
469	Mr. Hushein R	Federated Learning-Based Energy Forecasting and Trading Platform for Decentralized	Jan-2024	Conference paper	12th International Conference on Smart Grid,	10.1109/icSmartGrid61824.2024.10578121	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Renewable Energy Markets			icSmartGrid 2024				
470	Dr. Sathyasri B	Nano-structured Molybdenum Trioxide Nano-hybrid based Conductive Platform for Breast Cancer Detection	Jan-2024	Article	Journal of Environmental Nanotechnology	10.13074/jent.2024.06.242562	13 (2)	Institute for Environmental Nanotechnology	Scopus
471	Dr. Dasari Naga Vinod	An Intelligent Emotion Recognition System based on Speech Terminologies using Artificial Intelligence Assisted Learning Scheme	Jan-2024	Conference paper	Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2024	10.1109/ICONS TEM60960.2024.10568813	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
472	Mr. Hushein R	Machine Learning-Driven Predictive Maintenance Framework for Anomaly Detection and Prognostics in	Jan-2024	Conference paper	12th International Conference on Smart Grid, icSmartGrid 2024	10.1109/icSmartGrid61824.2024.10578083	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Wind Farm Operations							
473	Dr. Jency Rubia J	A Voice Enabled Grammar Correction System using Transformers	Jan-2024	Conference paper	2024 3rd International Conference on Artificial Intelligence for Internet of Things, AIIoT 2024	10.1109/AIIoT58432.2024.10574738	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
474	Dr. Abinaya A	A Novel Approach for Flower Classification using Deep Networks	Jan-2024	Conference paper	2nd IEEE International Conference on Data Science and Information System, ICDSIS 2024	10.1109/ICDSIS61070.2024.10594259	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
475	Mr. Aanandha Saravanan K	Federated LSTM Model for Enhanced Anomaly Detection in Cyber Security: A Novel Approach for Distributed Threat	Jan-2024	Article	International Journal of Advanced Computer Science and Applications	10.14569/IJACS A.2024.01506125	15 (6)	Science and Information Organization	WoS
476	Dr. Arun C A	Intelligent Poka Yoke System for Secure and Efficient Industrial Equipment Monitoring and Control	Jan-2024	Conference paper	2024 3rd International Conference on Artificial Intelligence for Internet of	10.1109/AIIoT58432.2024.10574790	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Things, AIIoT 2024				
477	Dr. Rosi A	Automated Gesture Recognition using Deep Learning Model for Visually Challenged People	Jan-2024	Conference paper	Proceedings - 3rd International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2024	10.1109/ACCAI 61061.2024.10602059	NA	Institute of Electrical and Electronics Engineers Inc.	WoS
478	Dr. Dhanabalan G	Code converter realization in IoT by TCP/IP network layer through node MCU and LabVIEW	Jan-2024	Conference paper	Advances in AI for Biomedical Instrumentation , Electronics and Computing - Proceedings of the 5th International Conference on Advances in AI for Biomedical Instrumentation , Electronics and Computing, ICABEC 2023	10.1201/9781032644752-71	NA	CRC Press/Balkema	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
479	Dr. Mary Christeena Thomas	An Effective Internet of Things based Assessment of ANN and ANFIS algorithms for Cardiac Arrhythmia	Jan-2024	Article	Journal of Intelligent Systems and Internet of Things	10.54216/JISIoT.130108	13 (1)	American Scientific Publishing Group (ASPG)	Scopus
480	Dr. Preethi D	Optimized VLSI Circuit Partitioning and Testing Using ACO and BIST Architectures	Jan-2024	Conference paper	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	10.1007/978-981-97-4399-5_35	NA	Springer Science and Business Media Deutschland GmbH	Scopus
481	Dr. Rahul S G	Deep Learning Innovations for Improved Plant Leaf Disease Detection in Smart Agriculture	Jan-2024	Conference paper	2nd IEEE International Conference on Data Science and Information System, ICDSIS 2024	10.1109/ICDSIS61070.2024.10594188	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
482	Dr. Jana S	FUZZY INFERENCE SYSTEM FOR PULMONARY FIBROSIS DISEASE IDENTIFICATION THROUGH CHEST X-RAY IMAGING	Jan-2024	Article	Journal of Environmental Protection and Ecology	1.3E+07	NA	Scibulcom Ltd.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
483	Mr. Hushein R	Distributed Reinforcement Learning Framework for Autonomous Optimization of Grid-Scale Energy Storage Systems in Renewable Energy Integration	Jan-2024	Conference paper	12th International Conference on Smart Grid, icSmartGrid 2024	10.1109/icSmartGrid61824.2024.10578068	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
484	Dr. Thenappan S	Advancing Security: Exploring AI-driven Data Encryption Solutions for Wireless Sensor Networks	Jan-2024	Conference paper	Proceedings - 3rd International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2024	10.1109/ACCAI61061.2024.10602020	NA	Institute of Electrical and Electronics Engineers Inc.	WoS
485	Dr. Joel Devadass Daniel D J	Prediction of gender from structural MRI images using Multiscale ShuffleNet Extreme Learning Machine	Jan-2024	Conference paper	2024 3rd International Conference on Artificial Intelligence for Internet of Things, AIIoT 2024	10.1109/AIIoT58432.2024.10574550	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
486	Dr. Mary Christeena Thomas	An Improved Internet of Thing-based Optimized	Jan-2024	Article	Journal of Intelligent Systems and	10.54216/JISIoT.130106	13 (1)	American Scientific Publishing	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		SVM Approach for ECG-founded Cardiac Arrhythmia Classification			Internet of Things			Group (ASPG)	
487	Dr. Kanmani Ruby E D	Evaluating Machine Learning Linear Regresion Model for DVT Prediction in Rehabilitation Patients	Jan-2024	Conference paper	Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2024	10.1109/ICONS TEM60960.2024 .10568850	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
488	Dr. Kanmani Ruby E D	Revolutionizing Deep Vein Thrombosis (DVT) Management: Machine Learning Unveils Precision in Early Detection	Jan-2024	Conference paper	Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in	10.1109/ICONS TEM60960.2024 .10568667	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Digital Transformation, ICONSTEM 2024				
489	Dr. Bikash Ranjan Behera	Circularly Polarized High Gain Monopole Antenna for 5G Applications	Jan-2024	Conference paper	3rd IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics, ICDCECE 2024	10.1109/ICDCECE60827.2024.10549429	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
490	Dr. Beulah Jackson	A Secure Multi-Factor Authentication System Using ElGamal Bakers Map Function in Virtual Private Network	Jan-2024	Conference paper	3rd IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics, ICDCECE 2024	10.1109/ICDCECE60827.2024.10549594	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
491	Dr. Ezhil E Nithila	Design and Analysis of RNS based Montgomery multiplier using FinFET Technology	Jan-2024	Conference paper	2024 IEEE 9th International Conference for Convergence in Technology, I2CT 2024	10.1109/I2CT61223.2024.10543311	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
492	Dr. Debashish Pal	An Intelligent Cluster Based Routing Protocol for Wireless Sensor Network	Jan-2024	Conference paper	2024 International Conference on Recent Advances in Electrical, Electronics, Ubiquitous Communication, and Computational Intelligence, RAEEUCCI 2024	10.1109/RAEEUCCI61380.2024.10547849	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
493	Dr. Sridevi S	Artificial Bee-Optimized CNN for Osteoporosis Detection using Leg X-ray Images	Jan-2024	Conference paper	Proceedings of the 2024 10th International Conference on Biosignals, Images and Instrumentation , ICBSII 2024	10.1109/ICBSII61384.2024.10564019	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. w/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
494	Dr. Uganya G	Comparative Evaluation of Wavelet Transform Methods for Surface Roughness in Turning of Monel 400 Superalloy: A Precision Analysis	Jan-2024	Conference paper	Lecture Notes in Networks and Systems	10.1007/978-981-97-1841-2_12	NA	Springer Science and Business Media Deutschland GmbH	Scopus
495	Dr. Nalini N	Predictive Maintenance Optimization in Zigbee-Enabled Smart Home Networks: A Machine Learning-Driven Approach Utilizing Fault Prediction Models	Jan-2024	Article	Wireless Personal Communications	10.1007/s11277-024-11233-w	NA	Springer	WoS
496	Dr. Herald Anantha Rufus N	Automatic segmentation based on optimization U-Net neural network (OU-NetNN) for fetal cardiac ultrasound images	Jan-2024	Article	International Journal of Information Technology (Singapore)	10.1007/s41870-024-01972-1	NA	Springer Science and Business Media B.V.	Scopus
497	Mr. Rajesh Kumar D	Design and Analysis of Wide-Band 2-Port MIMO Antenna for 5G Wireless Applications	Jan-2024	Conference paper	7th International Conference on Inventive Computation	10.1109/ICICT60155.2024.10544752	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Technologies, ICICT 2024				
498	Dr. Ferlin Deva Shahila D	VQGAN Text-to-Image Generation Enhancement using CLIP	Jan-2024	Conference paper	2024 International Conference on Communication, Computing and Internet of Things, IC3IoT 2024 - Proceedings	10.1109/IC3IoT60841.2024.10550382	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
499	Dr. Beulah Jackson	Machine Learning and OpenCV: A Powerful Combination for Driver Drowsiness Detection	Jan-2024	Conference paper	2024 International Conference on Communication, Computing and Internet of Things, IC3IoT 2024 - Proceedings	10.1109/IC3IoT60841.2024.10550424	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
500	Dr. Debashish Pal	An Effective Cluster Routing Protocol in a Wireless Sensor Network using Fuzzy Logic	Jan-2024	Conference paper	2024 International Conference on Recent Advances in Electrical, Electronics,	10.1109/RAEEUCCI61380.2024.10547909	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Ubiquitous Communication, and Computational Intelligence, RAEEUCCI 2024				
501	Dr. Dhanabalan G	A GAN-based Hybrid Deep Learning Approach for Enhancing Intrusion Detection in IoT Networks	Jan-2024	Article	International Journal of Advanced Computer Science and Applications	10.14569/IJACS A.2024.0150637	15 (6)	Science and Information Organization	WoS
502	Dr. Anto Bennet M	Deep Learning-Based Hybrid Precoding Approach in the Massive Multiple-Input Multiple-Output System	Jan-2024	Article	IETE Journal of Research	10.1080/03772063.2024.2368649	70 (10)	Taylor and Francis Ltd.	WoS
503	Mr. Rajesh Kumar D	A Compact Wide-Band Circular Slot Quad-Port MIMO Antenna for 5G Wireless Applications	Jan-2024	Article	Progress in Electromagnetic s Research Letters	10.2528/PIERL24040301	120	Electromagnetics Academy	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
504	Dr. Bakiya A	Mathematical Modeling of the Impact of a 5 Day Interim Relaxation at 21 Days in 42 days Lockdown Strategy on COVID-19 Transmission in India	Jan-2024	Conference paper	Proceedings of the 2024 10th International Conference on Biosignals, Images and Instrumentation , ICBSII 2024	10.1109/ICBSII 61384.2024.10 564061	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
505	Dr. Ezhil E Nithila	Design and Development of IoT enabled CannyCart	Jan-2024	Conference paper	2024 International Conference on Communication, Computing and Internet of Things, IC3IoT 2024 - Proceedings	10.1109/IC3IoT 60841.2024.10 550226	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
506	Mr. Aanandha Saravanan K	Explainable Artificial Intelligence Method for Identifying Cardiovascular Disease with a Combination CNN-XG-Boost Framework	Jan-2024	Article	International Journal of Advanced Computer Science and Applications	10.14569/IJACS A.2024.015051 20	15 (5)	Science and Information Organization	WoS
507	Mr. Manimaraboo pat hy M	Performance parameters estimation of high speed Silicon/Germanium/I nGaAsP avalanche	Jan-2024	Article	Journal of Optical Communications	10.1515/joc- 2024-0099	NA	Walter de Gruyter GmbH	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		photodiodes wide bandwidth capability in ultra high speed optical communication system							
508	Mr. Imran Javeed S	Internet of Things (IoT) Technology: A Critical Component of Industry 4.0	Jan-2024	Book chapter	Advanced IoT Technologies and Applications in the Industry 4.0 Digital Economy	10.1201/9781003434269-4	NA	CRC Press	Scopus
509	Dr. Thenappan S	EEG-Based Brain-Computer Interfaces Using Gazelle Optimization Algorithm with Deep Learning for Motor-Imagery Classification	Jan-2024	Article	Fusion: Practice and Applications	10.54216/FPA.160103	16 (1)	American Scientific Publishing Group (ASPG)	Scopus
510	Dr. Nandhini I	An effective approach for detecting deepfake videos using Long Short-Term Memory and ResNet	Jan-2024	Conference paper	2024 International Conference on Communication, Computing and Internet of Things, IC3IoT 2024 - Proceedings	10.1109/IC3IoT60841.2024.10550265	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
511	Dr. Jency Rubia J	Deep Learning ResNet-50 Framework for Automatic Early Breast Cancer Diagnosis	Jan-2024	Conference paper	2024 International Conference on Communication, Computing and Internet of Things, IC3IoT 2024 - Proceedings	10.1109/IC3IoT60841.2024.10550264	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
512	Dr. Arun M R	Adoption of Cloud Computing in the Healthcare Field Using the SEM Approach	Jan-2024	Book chapter	Human Cancer Diagnosis and Detection Using Exascale Computing	10.1002/9781394197705.ch7	NA	wiley	Scopus
513	Dr. Oudaya Coumar S	IoT-Based Blight Severity Disease Recognition System in Tomato Plant	Jan-2024	Conference paper	2nd International Conference on Emerging Trends in Information Technology and Engineering, ic-ETITE 2024	10.1109/ic-ETITE58242.2024.10493839	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
514	Dr. Sanjoy Debnath	Optimal Cell Planning in Two Tier Heterogeneous Network through Meta-Heuristic Algorithms	Jan-2024	Book chapter	Metaheuristics for Machine Learning: Algorithms and Applications	10.1002/9781394233953.ch14	NA	wiley	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
515	Dr. Anandan M	Hybrid Curvilinear Defected Microstrip Structure to Reduce the Electromagnetic Coupling in PCB	Jan-2024	Conference paper	2024 3rd International Conference for Innovation in Technology, INOCON 2024	10.1109/INOCO N60754.2024.10511395	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
516	Dr. Harikrishna Paik	Design of a Ka-band Micro Strip Printed Antenna at 31 GHz for millimeter Wave Wireless Communication	Jan-2024	Conference paper	Proceedings of the 2nd IEEE International Conference on Networking and Communications 2024, ICNWC 2024	10.1109/ICNWC 60771.2024.10537512	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
517	Dr. Shahnaz K V	Investigating the Impact of Compressed Sensing Techniques and IoT in Medical Imaging	Jan-2024	Article	Journal of Intelligent Systems and Internet of Things	10.54216/JISIoT.120214	12 (2)	American Scientific Publishing Group (ASPG)	Scopus
518	Dr. Nalini N	Data rates transmission estimation for passive multi path light EPON/GPON networks performance signature with multi point services	Jan-2024	Article	Journal of Optics (India)	10.1007/s12596-024-01859-1	NA	Springer	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
519	Mr. Aswath S	EFFECTIVE BIOMEDICAL SYSTEM FOR DETECTING, TRACKING, AND PREVENTING ASYMPTOMATIC COVID-19 PATIENTS NON-INVASIVELY USING IoT AND MIXED REALITY	Jan-2024	Article	International Journal for Multiscale Computational Engineering	10.1615/IntJMuItCompEng.2023050009	22 (6)	Begell House Inc.	WoS
520	Dr. Anandan M	Hybrid 9-Port Power Divider and Combiner for Enhanced Wireless Energy Harvesting in Passive RFID Tag Systems	Jan-2024	Conference paper	2024 IEEE International Conference on Intelligent Techniques in Control, Optimization and Signal Processing, INCOS 2024 - Proceedings	10.1109/INCOS59338.2024.10527693	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
521	Dr. Anandan M	Design and Development of Multifunction Robotic Arm	Jan-2024	Conference paper	2024 IEEE International Conference on Intelligent Techniques in Control, Optimization and Signal	10.1109/INCOS59338.2024.10527625	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Processing, INCOS 2024 - Proceedings				
522	Dr. Kalpana Devi P	IOT-Smart Monitoring of Pet Housing	Jan-2024	Conference paper	2024 International Conference on Wireless Communications, Signal Processing and Networking, WiSPNET 2024	10.1109/WiSPNET61464.2024.10533139	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
523	Dr. Anandan M	Voice Assistant with AI Chat Integration using OpenAI	Jan-2024	Conference paper	2024 IEEE International Conference on Intelligent Techniques in Control, Optimization and Signal Processing, INCOS 2024 - Proceedings	10.1109/INCOS59338.2024.10527726	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
524	Dr. Gnanamurugan S	A novel prediction of remaining useful life time of rolling bearings using convolutional neural network with bidirectional long short term memory	Jan-2024	Article	Journal of Engineering Research (Kuwait)	10.1016/j.jer.2024.05.005	NA	Elsevier B.V.	Scopus
525	Dr. Jency Rubia J	Comparative Analysis of Digital FIR Filter using Various Types of Modular Arithmetic Algorithms	Jan-2024	Conference paper	Proceedings of the 2nd IEEE International Conference on Networking and Communications 2024, ICNWC 2024	10.1109/ICNWC60771.2024.10537267	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
526	Dr. Anto Bennet M	Optimizable KNN and ANFIS Algorithms Development for Accurate Antenna Parameter Estimation	Jan-2024	Article	Progress In Electromagnetic s Research C	10.2528/PIERC23091403	142	Electromagnetics Academy	Scopus
527	Dr. Sankar M	An Effective Book Recommendation System using Weighted Alternating Least Square (WALS) Approach	Jan-2024	Article	International Journal of Advanced Computer Science and Applications	10.14569/IJACS A.2024.0150463	15 (4)	Science and Information Organization	WoS



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
528	Dr. Ferlin Deva Shahila D	Total losses and dispersion effects management and upgrading fiber reach in ultra-high optical transmission system based on hybrid amplification system	Jan-2024	Article	Journal of Optical Communications	10.1515/joc-2024-0074	46 (2)	Walter de Gruyter GmbH	Scopus
529	Dr. David Neels Ponkumar D	Effective prediction of human skin cancer using stacking based ensemble deep learning algorithm	Jan-2024	Article	Network: Computation in Neural Systems	10.1080/0954898X.2024.2346608	NA	Taylor and Francis Ltd.	WoS
530	Dr. Kalpana Devi P	A Review of Burst Error-Correction Codes with Parallel Decoding	Jan-2024	Conference paper	Lecture Notes in Electrical Engineering	10.1007/978-981-97-0644-0_34	1155	Springer Science and Business Media Deutschland GmbH	Scopus
531	Dr. Shahnaz K V	Antenna design exploration and optimization using machine learning	Jan-2024	Book chapter	Array and Wearable Antennas: Design, Optimization, and Applications	10.1201/978103422440-6	NA	CRC Press	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
532	Dr. Josephine Pon Gloria J	Performance and Analysis of Skin Cancer Detection Using Deep Learning	Jan-2024	Conference paper	2024 IEEE International Conference on Intelligent Techniques in Control, Optimization and Signal Processing, INCOS 2024 - Proceedings	10.1109/INCOS59338.2024.10527630	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
533	Dr. Saravanan M	Polarization Agile Reconfigurable Rectangular Patch Antenna for Biomedical Applications	Jan-2024	Article	Applied Computational Electromagnetic s Society Journal	10.13052/2024.ACES.J.390108	39 (1)	River Publishers	WoS
534	Mr. Aanandha Saravanan K	Digital Transformation in Healthcare: An Engineering Perspective on Metaverse, Game Theory, Artificial Intelligence, and Blockchain	Jan-2024	Book chapter	Healthcare Services in the Metaverse: Game Theory, AI, IoT, and Blockchain	10.1201/9781003449256-2	NA	CRC Press	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
535	Mr. Imran Javeed S	Image Enhancement in Fundus Images using Modified Frangi Vesselness Filter in comparison with Hessian and Gaussian Filter	Jan-2024	Conference paper	Proceedings of the 2nd IEEE International Conference on Networking and Communications 2024, ICNWC 2024	10.1109/ICNWC60771.2024.10537320	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
536	Dr. Anandan M	Robotics in Real-Time Applications in Healthcare Systems	Jan-2024	Book chapter	AI and IoT Technology and Applications for Smart Healthcare Systems	10.1201/9781032686745-16	NA	CRC Press	Scopus
537	Dr. Ferlin Deva Shahila D	Various graded index plastic optical fiber performance signature capability with the optimum dispersion control for indoor coverage applications	Jan-2024	Article	Journal of Optical Communications	10.1515/joc-2024-0069	46(2)	Walter de Gruyter GmbH	Scopus
538	Dr. Dasari Naga Vinod	Four wave mixing, average amplified spontaneous emission, and channel spacing effects on the optical transceiver systems based on multi	Jan-2024	Article	Journal of Optical Communications	10.1515/joc-2024-0040	46(2)	Walter de Gruyter GmbH	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		pumped Raman amplifiers							
539	Dr. Sathesh M	Certain Investigation on Performance Improved Novel Hexagonal Shaped Microstrip Patch Antenna	Jan-2024	Conference paper	2nd International Conference on Intelligent Data Communication Technologies and Internet of Things, IDCIoT 2024	10.1109/IDCIoT59759.2024.10467306	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
540	Dr. Nirmal Jothi J	An AI-Enhanced IoT Model for Three-Way Authentication and Location Tracking in Secured Jewellery Boxes	Jan-2024	Conference paper	Proceedings - 2024 5th International Conference on Mobile Computing and Sustainable Informatics, ICMCSI 2024	10.1109/ICMCSI61536.2024.00117	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
541	Dr. Britto Pari J	A High-Speed Computational Pipeline Single MAC-Based VLSI Architecture for Real-Time Signal and Image Processing	Jan-2024	Conference paper	2024 4th International Conference on Advances in Electrical, Computing, Communication and Sustainable	10.1109/ICAECT60202.2024.10469571	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Technologies, ICAECT 2024				
542	Dr. Muthukumaran D	Automated Air Pollution Monitoring System	Jan-2024	Conference paper	Lecture Notes in Networks and Systems	10.1007/978-981-99-9562-2_52	894	Springer Science and Business Media Deutschland GmbH	Scopus
543	Dr. Arun M R	Classification of Human Ear Shape with Innovative RF and SVM Machine Learning Algorithms and Related Issues	Jan-2024	Conference paper	2024 2nd International Conference on Computer, Communication and Control, IC4 2024	10.1109/IC457434.2024.10486489	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
544	Dr. Sasikala G	Low Power Embedded SoC Design	Jan-2024	Article	Journal of VLSI Circuits and Systems	10.31838/jvcs/06.01.04	6 (1)	Society for Communication and Computer Technologies	Scopus
545	Dr. Nirmal Jothi J	Development and Evaluation of Sequential Batch Reactor with Natural Coagulants for Dairy	Jan-2024	Conference paper	Proceedings - 2024 5th International Conference on Mobile	10.1109/ICMCS161536.2024.00134	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Waste Water Treatment			Computing and Sustainable Informatics, ICMCSI 2024				
546	Dr. Kanmani Ruby E D	A Compact MIMO Antenna with Wideband Characteristics for WiFi 6E/X-Band Applications	Jan-2024	Article	Progress in Electromagnetic s Research Letters	10.2528/PIERL24030407	119	Electromagnetics Academy	WoS
547	Mr. Rajesh Kumar D	A Compact Highly Isolated Four-Element Antenna System for Ultra-Wideband Applications	Jan-2024	Article	International Journal of Antennas and Propagation	10.1155/2024/3153057	2024	Hindawi Limited	WoS
548	Dr. Rajkumar R	Fenugreek Spinach Growth through Controlled Hydroponics and Real-Time Monitoring	Jan-2024	Conference paper	2nd International Conference on Intelligent Data Communication Technologies and Internet of Things, IDCIoT 2024	10.1109/IDCIoT59759.2024.10467292	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
549	Dr. Kanmani Pappa C	Low Power and Area Efficient Borrow Select Subtractor	Jan-2024	Conference paper	2nd International Conference on Integrated Circuits and Communication Systems, ICICACS 2024	10.1109/ICICA CS60521.2024.10498250	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
550	Dr. Kalpana Devi P	Dense wavelength division multiplexing scheme based on effective distributed inline light fiber Raman amplifier configuration	Jan-2024	Article	Journal of Optical Communications	10.1515/joc-2024-0020	46(2)	Walter de Gruyter GmbH	Scopus
551	Dr. Nanmaran R	An Intelligent Antenna Optimization Using Machine Learning Algorithm for 5G Applications	Jan-2024	Conference paper	Lecture Notes in Networks and Systems	10.1007/978-981-99-9518-9_24	893	Springer Science and Business Media Deutschland GmbH	Scopus
552	Dr. Thenappan S	Energy Efficient Task Scheduling Strategy using Modified Coot Optimization Algorithm for Cloud Computing	Jan-2024	Article	Journal of Intelligent Systems and Internet of Things	10.54216/JISIoT.120104	12 (1)	American Scientific Publishing Group (ASPG)	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
553	Dr. Sankar M	Smart Home Automation with Smart Metering using ZigBee Technology and Deep Belief Network	Jan-2024	Conference paper	2nd International Conference on Intelligent Data Communication Technologies and Internet of Things, IDCIoT 2024	10.1109/IDCIoT59759.2024.10467342	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
554	Dr. Nirmal Jothi J	Revolutionizing Home Connectivity with IoT-Enabled Smart Mirrors for Internet Browsing and Smart Home Integration	Jan-2024	Conference paper	Proceedings - 2024 5th International Conference on Mobile Computing and Sustainable Informatics, ICMCSI 2024	10.1109/ICMCSI61536.2024.00107	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
555	Dr. Nalini N	Comparative study of single pump all optical fiber amplifiers (POAs) with ultra wide band and high gain fiber optic parametric amplifiers in highly nonlinear fibers	Jan-2024	Article	Journal of Optical Communications	10.1515/joc-2024-0022	46(2)	Walter de Gruyter GmbH	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
556	Dr. Anish Pon Yamini	Ransomware Classification and Detection: A Supervised Machine Learning Approach	Jan-2024	Conference paper	Lecture Notes in Networks and Systems	10.1007/978-981-99-9707-7_24	46(2)	Springer Science and Business Media Deutschland GmbH	Scopus
557	Dr. Balamuralitharan B	High modulation effects on hybrid optical fiber links and OWC Channel based on optical DP-QSK transceiver systems	Jan-2024	Article	Journal of Optical Communications	10.1515/joc-2024-0015	NA	Walter de Gruyter GmbH	Scopus
558	Dr. Sathesh Raaj R	Energy Management System of Luminosity Controlled Smart City Using IoT	Jan-2024	Article	EAI Endorsed Transactions on Energy Web	10.4108/ew.5034	NA	European Alliance for Innovation	Scopus
559	Dr. Beulah Jackson	Design and Analysis of Printed Conformal Antenna System for Inter and Intra Vehicular (V2V) Communication Utilizations	Jan-2024	Article	Progress In Electromagnetics Research C	10.2528/PIERC24022001	NA	Electromagnetics Academy	Scopus
560	Dr. Harikrishna Paik	A double-layered C-band frequency-selective surface bandstop filter for maritime communication	Jan-2024	Article	International Journal of Electronics Letters	10.1080/21681724.2024.2327092	NA	Taylor and Francis Ltd.	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
561	Dr. Ezhil E Nithila	Deep Cryogenic Temperature CMOS Circuit and System Design for Quantum Computing Applications	Jan-2024	Article	EAI Endorsed Transactions on Energy Web	10.4108/ew.4997	11(1)	European Alliance for Innovation	Scopus
562	Dr. Rajkumar R	Enhanced Jaya Optimization Algorithm with Deep Learning Assisted Oral Cancer Diagnosis on IoT Healthcare Systems	Jan-2024	Article	Journal of Intelligent Systems and Internet of Things	10.54216/JISIoT.110209	NA	American Scientific Publishing Group (ASPG)	Scopus
563	Dr. Balamuralitharan B	Ultrahigh-fiber systems transmission capacity based on efficient optical single-/multi-mode band fiber parameters	Jan-2024	Article	Journal of Optics (India)	10.1007/s12596-024-01717-0	99	Springer	WoS
564	Dr. Josephine Pon Gloria J	Enhancing Renewable Energy Storage Conversion Efficiency using ERFE with FFNN	Jan-2024	Article	Journal of Machine and Computing	10.53759/7669/jmc202404005	2024	AnaPub Publications	Scopus
565	Mr. Hushein R	Electrical conductivity analysis of extrusion-based 3D-printed graphene	Jan-2024	Article	Frontiers in Materials	10.3389/fmats.2024.1328347	17 (12)	Frontiers Media SA	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
566	Mr. Venkataramanai ah B	Cardiovascular Abnormalities Classification Model Using Machine Learning and Signal Processing Techniques	Jan-2024	Article	International Journal of Intelligent Systems and Applications in Engineering	2147 6799	20 (3)	Ismail Saritas	Scopus
567	Dr. Anto Bennet M	Harnessing K-means Clustering to Decode Communication Patterns in Modern Electronic Devices	Jan-2024	Article	Journal of Machine and Computing	10.53759/7669/jmc202404004	12 (1)	AnaPub Publications	Scopus
568	Dr. Kanimozhi T	Methodologies in Steganography and Cryptography-Review	Jan-2024	Book chapter	Studies in Computational Intelligence	10.1007/978-3-031-43009-1_18	12 (1)	Springer Science and Business Media Deutschland GmbH	Scopus
569	Mr. Mohan Sai Kumar CH	A Comprehensive Review of Conventional to Modern Algorithms of Speech Enhancement	Jan-2024	Conference paper	Lecture Notes in Electrical Engineering	10.1007/978-981-99-8289-9_48	NA	Springer Science and Business Media Deutschland GmbH	Scopus
570	Dr. Ezhilazhagan C	Design of miniaturized MRI coils for MRI-guided tumor diagnosis and hyperthermia therapy	Jan-2024	Article	Microwave and Optical Technology Letters	10.1002/mop.34040	71(3)	John Wiley and Sons Inc	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
571	Dr. Aloy Anuja Mary G	Efficient sensor anomaly detection using Markov-LSTM architecture for methane sensing	Jan-2024	Article	Journal of Autonomous Intelligence	10.32629/jai.v7i3.1285	NA	Frontier Scientific Publishing	Scopus
572	Mr. Rajesh Kumar D	Detection of Pathogens Using PET Based Microwave Assisted Irradiation to Extend Bread Shelf-Life	Jan-2024	Article	Progress in Electromagnetic s Research Letters	10.2528/PIERL23110901	117	Electroma gnetics Academy	WoS
573	Dr. Arun MR	AI-IOT-Based Adaptive Control Techniques for Electric Vehicles	Jan-2024	Article	Electric Power Components and Systems	10.1080/15325008.2024.2304685	NA	Taylor and Francis Ltd.	WoS
574	Dr. Rosi A	A Survey about Post Quantum Cryptography Methods	Jan-2024	Article	EAI Endorsed Transactions on Internet of Things	10.4108/eetiot.5099	10	European Alliance for Innovation	Scopus
575	Dr. Saravanan S	Automated Medical Image Captioning with Soft Attention-Based LSTM Model Utilizing YOLOv4 Algorithm	Jan-2024	Article	Journal of Computer Science	10.3844/jcssp.2024.52.68	20 (1)	Science Publications	Scopus
576	Mr. Mutharasan A	Understanding integration issues in intelligent transportation	Jan-2024	Article	Journal of Autonomous Intelligence	10.32629/jai.v7i4.1043	7 (4)	Frontier Scientific Publishing	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		systems with IoT platforms, cloud computing, and connected vehicles							
577	Dr. Josephine Pon Gloria J	IoT based Smart Trolley for Shopping using RFID and Node MCU	Jan-2024	Article	International Research Journal of Multidisciplinary Scope	10.47857/irjms.2024.v05i01.0157	5 (1)	Iquz Galaxy Publisher	Scopus
578	Dr. Rajkumar R	Detection of Kidney Stone and Estimation of its Size using Image Segmentation Techniques	Jan-2024	Article	Journal of Advanced Research in Applied Sciences and Engineering Technology	10.37934/araset.36.2.91109	36 (2)	Semarak Ilmu Publishing	Scopus
579	Mr. Rajesh Kumar D	A Very Compact and Highly Decoupled Four Element Antenna for n79 Band Application	Jan-2024	Article	International Journal of Microwave and Optical Technology	2023-11-352650	1	International Academy of Microwave and Optical Technology (IAMOT)	Scopus
580	Dr. Arun MR	Improved Energy-Saving Multi-hop Networking in Wireless Networks	Jan-2024	Conference paper	Lecture Notes in Networks and Systems	10.1007/978-981-99-4071-4_45	NA	Springer Science and Business Media Deutschland GmbH	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
581	Dr. Sreelakshmy R	Impact of Image Processing and Deep Learning in IoT based Industrial Automation System	Jan-2024	Article	International Journal of Intelligent Systems and Applications in Engineering	2147 6799	6s	Ismail Saritas	Scopus
582	Dr. Muthukrishnan A	Optimized Dictionary-based Sparse Regression Learning for Health Care Monitoring in IoT-based Context-Aware Architecture	Jan-2024	Article	IETE Journal of Research	10.1080/03772063.2023.2255567	70 (5)	Taylor and Francis Ltd.	Scopus
583	Dr. Mazher Iqbal J L	Power Control and Optimization for Power Loss Reduction Using Deep Learning in Microgrid Systems	Jan-2024	Article	Electric Power Components and Systems	10.1080/15325008.2023.2217175	52 (2)	Taylor and Francis Ltd.	WoS
584	Dr. Suresh P	Enhance data availability and network consistency using artificial neural network for IoT	Jan-2024	Article	Multimedia Tools and Applications	10.1007/s11042-022-13337-6	83 (1)	Springer	WoS
585	Dr. Anto Bennet M	Massive MIMO Systems Precoder Design Under Various Environments	Jan-2024	Conference paper	Lecture Notes in Electrical Engineering	10.1007/978-981-99-4713-3_16	NA	Springer Science and Business Media Deutschland GmbH	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
586	Mr. Purushothaman V	Fuzzy C-Means Clustering Based Energy-Efficient Protected Optimal Path-Routing Protocol for MANET	Jan-2024	Article	International Journal of Intelligent Systems and Applications in Engineering	2147 6799	6s	Ismail Saritas	Scopus
587	Dr. Harikrishna Paik	A dual-band FSS-based electromagnetic shield for 5G and 6G applications	Jan-2024	Article	International Journal of Electronics Letters	10.1080/21681724.2023.2267208	12 (4)	Taylor and Francis Ltd.	Scopus
588	Mr. Prasanna R	Design and Development of Efficient Feeding Network Structure for Patch Antenna Array Modules in UAV Communication Applications	Jan-2024	Conference paper	Lecture Notes in Electrical Engineering	10.1007/978-981-99-4444-6_20	NA	Springer Science and Business Media Deutschland GmbH	Scopus
589	Dr. Kanimozhi T	A Smart and Effective Energy Management System for Shipboard Applications using a Stochastic Fractal Search Network (SFSN) Controlling Model	Jan-2024	Article	International Journal of Intelligent Systems and Applications in Engineering	2147 6799	6s	Ismail Saritas	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
590	Dr. Harikrishna Paik	A compact antipodal vivaldi antenna for modern surveillance systems	Jan-2024	Article	International Journal of Electronics Letters	10.1080/21681724.2023.2192965	12 (2)	Taylor and Francis Ltd.	Scopus
591	Dr. Prithivi Rajan V	A small conformal wearable four-port wideband antenna for 5G applications	Jan-2024	Article	International Journal of Electronics Letters	10.1080/21681724.2023.2267205	12 (3)	Taylor and Francis Ltd.	Scopus
592	Dr. Sathesh Raaj R	A Machine Learning Approach for Detecting DDOS Attack in IoT Network Using Random Forest Classifier	Jan-2024	Article	International Journal of Intelligent Systems and Applications in Engineering	2147 6799	6s	Ismail Saritas	Scopus
593	Dr. Preethi D	Artificial Intelligence based Student Proctoring in Online Examination and Grade Prediction	Jan-2024	Article	International Journal of Intelligent Systems and Applications in Engineering	2147 6799	6s	Ismail Saritas	Scopus
594	Dr. Esther Rani P	Detection and Classification of the Schizophrenia with Ocular Artifacts Removal in EEG Signal with Darknet YOLO architecture	Jan-2024	Article	International Journal of Intelligent Systems and Applications in Engineering	2147 6799	6s	Ismail Saritas	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
595	Ms. Dharani N	A Naive Bayes Approach for Improving Heart Disease Detection on Healthcare Monitoring through IoT and WSN	Jan-2024	Article	International Journal of Intelligent Systems and Applications in Engineering	2147 6799	6s	Ismail Saritas	Scopus
596	Dr. Kavitha T	POWER ENERGY AND POWER AREA PRODUCT SIMULATION ANALYSIS OF MASTER-SLAVE FLIP-FLOP	Dec-2023	Article	Revue Roumaine des Sciences Techniques Serie Electrotechnique et Energetique	10.59277/RRST-EE.2023.4.19	68 (4)	Publishing House of the Romanian Academy	WoS
597	Dr. Sahaya Sheela M	An efficient cyber security system based on flow-based anomaly detection using Artificial neural network	Dec-2023	Article	Mesopotamian Journal of CyberSecurity	10.58496/MJCS/2023/009	2023	Mesopotamian Academic Press	Scopus
598	Dr. Sahaya Sheela M	Cyber Security System Based on Machine Learning Using Logistic Decision Support Vector	Dec-2023	Article	Mesopotamian Journal of CyberSecurity	10.58496/MJCS/2023/011	2023	Mesopotamian Academic Press	Scopus
599	Dr. Jency Rubia J	Evolutionary meta-heuristic optimized model: An	Dec-2023	Article	Journal of Intelligent and Fuzzy Systems	10.3233/JIFS-213423	45 (6)	IOS Press BV	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		application to plant disease diagnosis							
600	Dr. Valarmathi R S	Secure double MAC implementation for STBC based FECG monitoring	Dec-2023	Article	Journal of Intelligent and Fuzzy Systems	10.3233/JIFS-234164	45 (6)	IOS Press BV	Scopus
601	Dr. Vijayalakshmi S	PV based OFF grid charging station for E-vehicles using PWM and phase shift controlled interleaved three port converter	Dec-2023	Article	SN Applied Sciences	10.1007/s42452-023-05571-w	5 (12)	Springer Nature	Scopus
602	Mr. Prasanna R	Assessing Wireless Communication Systems Performance Metrics Using Artificial Neural Networks: A Modelling and Simulation Approach	Dec-2023	Article	Instrumentation Measure Metrologie	10.18280/i2m.220601	22 (6)	International Information and Engineering Technology Association	Scopus
603	Dr. Jana S	Adversarial Defense: A GAN-IF Based Cyber-security Model for Intrusion Detection in Software Piracy	Dec-2023	Article	Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications	10.58346/JOWU A.2023.I4.008	14 (4)	Innovative Information Science and Technology Research Group	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
604	Dr. Muthukrishnan A	HY-LSTM: A new time series deep learning architecture for estimation of pedestrian time to cross in advanced driver assistance system	Dec-2023	Article	Journal of Visual Communication and Image Representation	10.1016/j.jvcir.2023.103982	97	Academic Press Inc.	Scopus
605	Dr. Bikash Ranjan Behera	Investigation of a Circularly Polarized Metasurface Antenna for Hybrid Wireless Applications	Dec-2023	Article	Micromachines	10.3390/mi14122172	14 (12)	Multidisciplinary Digital Publishing Institute (MDPI)	Scopus
606	Dr. Ashvanth B	A compact high gain filtering patch antenna for multiband wireless system	Dec-2023	Article	Engineering Research Express	10.1088/2631-8695/ad0996	4 (45067)	Institute of Physics	WoS
607	Dr. Saravanan S	An active learning machine technique based prediction of cardiovascular heart disease from UCI-repository database	Dec-2023	Article	Scientific Reports	10.1038/s41598-023-40717-1	13 (1)	Nature Research	Scopus
608	Dr. Sheik Arafat I	Fabrication and investigation of agricultural monitoring system with IoT & AI	Dec-2023	Article	SN Applied Sciences	10.1007/s42452-023-05526-1	5 (12)	Springer Nature	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
609	Dr. Arun C A	Wheat leaf diseases classification and severity analysis using HT-CNN and Hex-D-VCC-based boundary tracing mechanism	Dec-2023	Article	Environmental Monitoring and Assessment	10.1007/s10661-023-12105-9	195 (12)	Springer Science and Business Media Deutschland GmbH	Scopus
610	Dr. Kavitha T	Radio over fiber on gigabit passive optical network using QPSK modulation scheme	Dec-2023	Article	Journal of Optical Communications	10.1515/joc-2020-0232	44 (S1)	Walter de Gruyter GmbH	Scopus
611	Dr. Ashvanth B	Miniaturized dual wideband MIMO antenna for implantable biomedical applications	Dec-2023	Article	Microwave and Optical Technology Letters	10.1002/mop.3856	65 (12)	John Wiley and Sons Inc	WoS
612	Dr. Mohanraj J	Design and analysis of SOA-MZI based optical digital circuits for high speed optical networks	Dec-2023	Article	e-Prime - Advances in Electrical Engineering, Electronics and Energy	10.1016/j.prime.2023.100289	6	Elsevier Ltd	Scopus
613	Dr. Saravanan S	A multi-dimensional hybrid CNN-BiLSTM framework for epileptic seizure detection using	Dec-2023	Article	Systems and Soft Computing	10.1016/j.sasc.2023.200062	5	Academic Press	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		electroencephalogram signal scrutiny							
614	Dr. Aathmanesan T	Stubs loaded multi band antenna for vehicle-to-vehicle communication	Dec-2023	Article	International Journal of System Assurance Engineering and Management	10.1007/s13198-023-02122-9	14 (6)	Springer	WoS
615	Dr. Kavitha T	Performance analysis of WDM free space optics transmission system using MIMO technique under various atmospheric conditions	Dec-2023	Article	Journal of Optical Communications	10.1515/joc-2021-0038	44 (S1)	Walter de Gruyter GmbH	Scopus
616	Dr. Mazher Iqbal J L	An optimized convolutional neural network for speech enhancement	Dec-2023	Article	International Journal of Speech Technology	10.1007/s10772-023-10073-6	26 (4)	Springer	WoS
617	Dr. Saravanan S	Detection and classification of brain tumor using hybrid deep learning models	Dec-2023	Article	Scientific Reports	10.1038/s41598-023-50505-6	13 (1)	Nature Research	Scopus
618	Dr. Britto Pari J	High Performance FPGA Implementation of Single MAC Adaptive	Nov-2023	Article	Journal of Circuits, Systems and Computers	10.1142/S0218126623502948	32 (17)	World Scientific	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Filter for Independent Component Analysis							
619	Dr. Karthikeyan K A	Hydrothermal synthesis of rGO/ZnCoS composite for high performance asymmetric supercapacitor and HER applications	Nov-2023	Article	Journal of Energy Storage	10.1016/j.est.2023.108769	72	Elsevier Ltd	WoS
620	Dr. Ashwinl A	Internet of Things for smart cities in e-waste management: Overview and challenges	Nov-2023	Book chapter	Blockchain Enabled Secure Big Data Computing for Smart Cities Using Internet of Things	10.52305/ZTKF5521	NA	Nova Science Publishers, Inc.	Scopus
621	Dr. Valliammai M	Tunnel FET-based ultra-low-power circuits for energy harvesting applications	Nov-2023	Book chapter	Energy Harvesting and Storage Devices: Sustainable Materials and Methods	10.1201/9781003340539-6	NA	CRC Press	Scopus
622	Dr. Vinodh Kumar N	E-mode-operated advanced III-V heterostructure quantum well devices for	Nov-2023	Book chapter	Nano-Devices for Integrated Circuit Design	10.1002/9781394186396.ch7	NA	John Wiley and Sons Inc.	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		analog/RF and high-power switching applications							
623	Dr. Kanmani Pappa C	A Novel Approach for Block Chain Technology based Cyber Security in Cloud Storage Using Hash Function	Nov-2023	Article	Journal of Advanced Research in Applied Sciences and Engineering Technology	10.37934/araset.32.3.178189	32 (3)	Penerbit Akademia Baru	Scopus
624	Mr. Mohan Sai Kumar Ch	OPTIMIZED SYSTOLIC ARRAY FILTERS WITH NOISE CLASSIFICATION FOR EXTRACTING FECG	Nov-2023	Article	ARPN Journal of Engineering and Applied Sciences	10.59018/1123287	18 (21)	Asian Research Publishing Network	Scopus
625	Dr. Uganya G	Sub-network modeling and integration for low-light enhancement of aerial images	Nov-2023	Article	Optical and Quantum Electronics	10.1007/s11082-023-05224-7	55 (11)	Springer	WoS
626	Dr. Rajendiran P	Comparison of single event effect on cascaded low noise amplifier performance metrics for two different frequencies	Nov-2023	Article	Physica Scripta	10.1088/1402-4896/acfc30	98 (11)	Institute of Physics	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
627	Dr. Oudaya Coumar S	Miniaturized metallic symmetrical resonator backed CPW inspired dual band filter using Meander line for 5G mm-wave applications	Nov-2023	Article	Microwave and Optical Technology Letters	10.1002/mop.33802	65 (11)	John Wiley and Sons Inc	WoS
628	Dr. Rajendiran P	Structural Process Variation on Silicon Nanotube Tunnel Field-Effect Transistor	Nov-2023	Article	Silicon	10.1007/s12633-023-02575-4	15 (16)	Springer Science and Business Media B.V.	WoS
629	Dr. Jency Rubia J	An effective transfer learning model for multiclass brain tumor classification using MRI images	Oct-2023	Conference paper	AIP Conference Proceedings	10.1063/5.0170435	2904 (1)	American Institute of Physics Inc.	Scopus
630	Dr. Anandan M	Wearable sensors and ai algorithms for pregnant women: Integrating wearable mitered meander antenna sensors for continuous breathing monitoring	Oct-2023	Book chapter	Technological Tools for Predicting Pregnancy Complications	10.4018/979-8-3693-1718-1.ch012	NA	IGI Global	Scopus
631	Dr. Vaishnavi T	Artificial Intelligence based real-time automatic detection and classification of	Oct-2023	Article	Journal of Intelligent and Fuzzy Systems	10.3233/JIFS-233024	45 (4)	IOS Press BV	WoS



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		skin lesion in dermoscopic samples using DenseNet-169 architecture							
632	Dr. Herald Anantha Rufus N	Artificial Neural Network Based Wear and Tribological Analysis of Al 7010 Alloy Reinforced with Nanoparticles of SIC for Aerospace Application	Oct-2023	Article	Journal of Machine and Computing	10.53759/7669/jmc202303036	3 (4)	AnaPub Publications	Scopus
633	Dr. Anto Bennet M	Performance of solar cooker with evacuated tubes and photovoltaic panels with phase change materials	Oct-2023	Article	Energy Efficiency	10.1007/s12053-023-10151-3	16 (7)	Springer Science and Business Media B.V.	WoS
634	Dr. Uganya G	Empowering autonomous indoor navigation with informed machine learning techniques	Oct-2023	Article	Computers and Electrical Engineering	10.1016/j.compeleceng.2023.108918	111	Elsevier Ltd	WoS
635	Dr. Beulah Jackson	Performance analysis of smart optimization antenna for wireless networks	Oct-2023	Article	International Journal of Electrical and Computer Engineering	10.11591/ijece.v13i5.pp5222-5231	13 (5)	Institute of Advanced Engineering and Science	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
636	Dr. Herald Anantha Rufus N	Computational Engineering based Approach on Artificial Intelligence and Machine Learning Driven Robust Data Centre for Safe Management	Oct-2023	Article	Journal of Machine and Computing	10.53759/7669/jmc202303038	3 (4)	AnaPub Publications	Scopus
637	Dr. Koushick V	A 2x1 wearable periodical array antenna for IEEE standards P802.11 Ay/D4.O applications	Sep-2023	Conference paper	AIP Conference Proceedings	10.1063/5.0163548	2831 (1)	American Institute of Physics Inc.	Scopus
638	Dr. Velmurugan V	Experimental analysis on the effect of pipe and orifice diameter in inter tank hydrogen transfer	Sep-2023	Article	International Journal of Hydrogen Energy	10.1016/j.ijhydene.2023.04.111	48 (79)	Elsevier Ltd	WoS
639	Dr. Kalpana Devi P	Smart IoT-based water treatment with a Supervisory Control and Data Acquisition (SCADA) system process	Sep-2023	Article	Water Reuse	10.2166/wrd.2023.052	13 (3)	IWA Publishing	Scopus
640	Dr. Rahul S G	Design of Covid19 Disease Detection for Risk Identification using Deep Learning Approach	Sep-2023	Article	Journal of Advanced Research in Applied Sciences and	10.37934/ARASET.32.1.139154	32 (1)	Penerbit Akademia Baru	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
					Engineering Technology				
641	Dr. Karthikeyan K A	Energy Efficient Trust Based Data Communication using AODV Protocol in MANET	Sep-2023	Article	Journal of Advanced Research in Applied Sciences and Engineering Technology	10.37934/araset.32.1.390405	32 (1)	Penerbit Akademia Baru	Scopus
642	Dr. Suresh P	Numerical Investigation on High-Performance Cu-Based Surface Plasmon Resonance Sensor for Biosensing Application	Sep-2023	Article	Sensors	10.3390/s23177495	23 (17)	Multidisciplinary Digital Publishing Institute (MDPI)	WoS
643	Dr. Anto Bennet M	Mathematically Modified Adaptive Neuro-Fuzzy Inference System for an Intelligent Cyber Security System	Sep-2023	Article	SN Computer Science	10.1007/s42979-023-01822-0	4 (5)	Springer	Scopus
644	Dr. Jana S	An Intelligent Heuristic Manta-Ray Foraging Optimization and Adaptive Extreme	Sep-2023	Article	Big Data Mining and Analytics	10.26599/BDMA.2022.9020036	6 (3)	Tsinghua University Press	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Learning Machine for Hand Gesture Image Recognition							
645	Mr. Sambath Kumar K	Deep Convolutional Neural Network for Brain Tumor Segmentation	Sep-2023	Article	Journal of Electrical Engineering and Technology	10.1007/s42835-023-01479-y	18 (5)	Korean Institute of Electrical Engineers	WoS
646	Mr. Vignesh Prasanna N	Improved Power Effective Node Combined Heterogeneous Path Protocol for Enhance Network Lifetime Based on Cloud Resource Management in WSN	Aug-2023	Article	International Journal of Intelligent Systems and Applications in Engineering	2147 6799	3	Ismail Saritas	Scopus
647	Mr. Manikandan M	A Novel Multiband Antenna with Parasitic Element for Diverse Wireless Applications	Aug-2023	Article	International Journal of Intelligent Systems and Applications in Engineering	2147 6799	3	Ismail Saritas	Scopus
648	Dr. Sahaya Sheela M	A Novel Deep Learning-Based Heart Disease Prediction System Using Convolutional Neural Networks (CNN) Algorithm	Aug-2023	Article	International Journal of Intelligent Systems and Applications in Engineering	2147 6799	3	Ismail Saritas	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
649	Mr. Rajesh Kumar D	A Very Compact Printed DGS Antenna for Ultra-Wide Band Applications	Aug-2023	Article	International Journal of Engineering Trends and Technology	10.14445/22315381/IJETT-V71I8P223	71 (8)	Seventh Sense Research Group	Scopus
650	Dr. Thenappan S	Machine Learning Classifiers to Decrease Diabetic Patients Probability of Hospital Readmission	Aug-2023	Conference paper	2023 4th International Conference on Electronics and Sustainable Communication Systems, ICESC 2023 - Proceedings	10.1109/ICESC57686.2023.10193669	NA	Institute of Electrical and Electronics Engineers Inc.	Scopus
651	Dr. Anto Bennet M	Non-Invasive antenna sensor based continuous glucose monitoring using pancreas dielectric radiation signal energy levels and machine learning algorithms	Aug-2023	Article	Biomedical Signal Processing and Control	10.1016/j.bspc.2023.105072	85	Elsevier Ltd	WoS
652	Dr. Dhanabalan G	Secure Route Detection with Multi Level Trust Evaluation Model Using Replicated Auditor Node for	Aug-2023	Article	Revue d'Intelligence Artificielle	10.18280/ria.370406	37 (4)	International Information and Engineering Technology	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Extended Packet Delivery Rate in WSN						Association	
653	Dr. Sasikala G	A Low Input Impedance Wide Bandwidth Flipped Voltage Follower Current Mirror	Aug-2023	Article	Indian Journal of Engineering and Materials Sciences	10.56042/ijems.v30i4.365	30 (4)	National Institute of Science Communication and Policy Research	Scopus
654	Dr. Nirmal Jothi	An Effective approach for Plant Disease Detection Using Assessment-Based Convolutional Neural Networks (A-CNN)	Aug-2023	Article	Journal of Advanced Research in Applied Sciences and Engineering Technology	10.37934/araset.31.3.155172	31 (3)	Penerbit Akademia Baru	Scopus
655	Dr. Lordwin Cecil Prabhaker M	Diagnosis of Analog and Digital Circuit Faults Using Exponential Deep Learning Neural Network	Aug-2023	Article	Journal of Electronic Testing: Theory and Applications (JETTA)	10.1007/s10836-023-06078-3	39 (4)	Springer	Scopus
656	Dr. Kavitha T	Vlsi implementation of neural systems	Jul-2023	Book chapter	Neuromorphic Computing Systems for Industry 4.0	10.4018/978-1-6684-6596-7.ch004	NA	IGI Global	Scopus



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
657	Dr. Mohanraj J	Modeling and Performance Analysis of TSV using Nanomaterial-Based Dielectric and Core for High Frequency Applications	Jul-2023	Article	International Journal of Intelligent Systems and Applications in Engineering	2147 6799	3	Ismail Saritas	Scopus
658	Dr. Berakhah F Stanley	Image Based Automated Weather Analysis Using Deep Learning for Decision Support to Remote Farmers	Jul-2023	Article	International Journal of Intelligent Systems and Applications in Engineering	2147 6799	3	Ismail Saritas	Scopus
659	Dr. Anto Bennet M	Antiallergic Abdominal Belt for Human Glucose Level Measurement Using Microwave Active Sensor Antenna	Jul-2023	Article	IEEE Sensors Journal	10.1109/JSEN.2023.3280031	23 (14)	Institute of Electrical and Electronics Engineers Inc.	WoS
660	Mr. Mohan Sai Kumar CH	An Effective Transportation System Method for Optimal Path Planning Using Logistics UAVs Using Deep Q Networks	Jul-2023	Article	International Journal of Intelligent Systems and Applications in Engineering	2147 6799	3	Ismail Saritas	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
661	Dr. Ezhilazhagan C	Integration of Artificial Intelligence into Operations and Monitoring of 3R Manipulator	Jul-2023	Article	International Journal of Intelligent Systems and Applications in Engineering	2147 6799	3	Ismail Saritas	Scopus
662	Dr. Sahaya Sheela M	A Novel approach Secure Routing in Wireless Sensor Networks for Safe Path Establishment of Private IoT Data Transmission	Jul-2023	Article	International Journal of Intelligent Systems and Applications in Engineering	2147 6799	3	Ismail Saritas	Scopus
663	Dr. Kavitha T	UWB microstrip fed 4-element MIMO antenna for 5G applications	Jul-2023	Article	International Journal of Intelligent Systems and Applications in Engineering	2147 6799	3	Ismail Saritas	Scopus
664	Dr. Suresh P	Theoretical analysis of a high-performance surface plasmon resonance biosensor using BlueP/WS2 over a Cu-Pt bimetallic layer	Jul-2023	Article	Photonics Letters of Poland	10.4302/plp.v15i2.1206	15 (2)	Photonics Society of Poland	Scopus
665	Mr. Vijay Albert William M	DPGWO Based Feature Selection Machine Learning Model for Prediction	Jul-2023	Article	Applied Sciences (Switzerland)	10.3390/app13148206	13 (14)	Multidisciplinary Digital Publishing	Scopus



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		of Crack Dimensions in Steam Generator Tubes						Institute (MDPI)	
666	Dr. Vinodh Kumar N	A low-power high speed full adder cell using carbon nanotube field effect transistors	Jul-2023	Article	Indonesian Journal of Electrical Engineering and Computer Science	10.11591/ijeecs.v31.i1.pp134-142	31 (1)	Institute of Advanced Engineering and Science	Scopus
667	Dr. Aloy Anuja Mary G	Integrated Edge Deployable Fault Diagnostic Algorithm for the Internet of Things (IoT): A Methane Sensing Application	Jul-2023	Article	Sensors	10.3390/s23146266	23 (14)	Multidisciplinary Digital Publishing Institute (MDPI)	WoS
668	Dr. Sahaya Sheela M	A Novel Approach for Plant Leaf Disease Predictions Using Recurrent Neural Network RNN Classification Method	Jul-2023	Article	Journal of Advanced Research in Applied Sciences and Engineering Technology	10.37934/araset.31.2.327338	31 (2)	Semarak Ilmu Publishing	Scopus
669	Dr. Sathyasri B	Electrocardiogram signal classification in an IoT environment using an adaptive deep neural networks	Jul-2023	Article	Neural Computing and Applications	10.1007/s00521-023-08534-9	35 (21)	Springer Science and Business Media Deutschland GmbH	WoS



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
670	Dr. Valarmathi R S	CHC-UNet: Cascaded Heterogeneous Convolution UNet Framework for Adaptive Image Dehazing	Jul-2023	Article	International Journal of Electrical and Electronic Engineering and Telecommunications	10.18178/ijeetc.12.4.294-305	12 (4)	Engineering and Technology Publishing	Scopus
671	Dr. Dasari Naga Vinod	Elucidation of infection asperity of CT scan images of COVID-19 positive cases: A Machine Learning perspective	Jul-2023	Article	Scientific African	10.1016/j.sciaf.2023.e01681	20	Elsevier B.V.	WoS
672	Dr. Balaji L	Retinopathy grading with deep learning and wavelet hyper-analytic activations	Jul-2023	Article	Visual Computer	10.1007/s00371-022-02489-z	39 (7)	Springer Science and Business Media Deutschland GmbH	WoS
673	Dr. Koushick V	THz Microstrip Antenna for Terabit Wireless Local Area Networks	Jul-2023	Article	Applied Computational Electromagnetic Society Journal	10.13052/2023.ACES.J.380708	38 (7)	River Publishers	Scopus
674	Dr. ALOY ANUJA MARY. G	Image Analysis and Classification Using HRSVM-CNN for Land-Cover Classification by	Mar-24	Article	Indian Journal of Science and Technology	10.17485/IJST/v17i12.2343			Others



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Using Remote Sensing Images							
675	Dr. ALOY ANUJA MARY. G	Emotion Detection Through Electrocardiogram Signal Classification in an IoT environment with deep neural networks	May 2024	Article	Journal of Electrical Systems	https://doi.org/10.52783/jes.3657			Others
676	Dr. JANA. S	Navigating Urban Gridlock: Deep Learning for Predicting City-Wide Traffic Congestion in Smart Cities	Aug 2024	Article	International Journal of Intelligent Systems and Applications in Engineering (IJISAE)	https://ijisae.org/index.php/IJISAE/article/view/6434			Others
677	Dr. K. AANANDHA SARAVANAN	Emotion Detection Through Electrocardiogram Signal Classification in an IoT environment with deep neural networks	May-24	Article	Journal of Electrical Systems	https://doi.org/10.52783/jes.3657			Others
678	Dr. KavithaT	Healthcare Analysis Based on Diabetes Prediction Using a Cuckoo-Based Deep	Jun-24	Article	Babylonian Journal of Artificial Intelligence	https://doi.org/10.58496/BJAI/2024/009			Others



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
		Convolutional Long-Term Memory Algorithm							
679	Dr. KavithaT	Underwater Wireless Sensors Increase Routing Performance using Impact Efficient localization-based Routing protocols	Jun 2024	Article	Babylonian Journal of Artificial Intelligence	https://doi.org/10.58496/BJN/2024/008	-	-	Others
680	Dr. KavithaT	A High-Performance Reconfigurable Four Element Multiband MIMO Antenna for UWB Communication	Sep-23	Article	International Journal on Recent and Innovation Trends in Computing and Communication,	https://doi.org/10.17762/ijritcc.v12i1.7972	-	-	Others
681	Dr. KavithaT	Novel Design of High Performance of MIMO antenna for 5G Bio-Telemetry applications	Sep-23	Article	International Journal on Recent and Innovation Trends in Computing and Communication,	https://doi.org/10.17762/ijritcc.v11i9.9129	-	-	Others
682	Dr.B.Sathyasri	Antennas and Microwave Engineering	Dec-2024	Book		ISBN-13:978-93-5577-856-7	-	Charulatha Publications	Others



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



S. No.	Name	Title	Month	Document Type	Source title	DoI / ISSN / ISBN	Volume (Issue)	Publisher	Scopus /WoS /Others
683	Aloy Anuja Mary G	Mastering Ethical Hacking:A Comprehensive Guide to Network Security and Cyber Defense	Jun-2024	Book	-	978-620-7-47455-4	-	LAP LAMBERT Academic Publishing	Others
684	Aloy Anuja Mary G	Big Data tools and techniques	Jun-2024	Book	-	978-620-7-46604-7	-	LAP LAMBERT Academic Publishing	Others
685	Dr.S.Jana	Signals and System	Dec-2024	Book	-	978-93-6260-253-4	-	Charulatha Publication	Others
686	Dr. P. Bhuvaneswari	Recent Trends and Applications of Artificial Intelligence	February-2024	Book	-	978-81-964693-2-0	-	PKS Publication	Others
687	Dr.Nalini.N	Basic Electrical and Electronics Engineering	March-2024	Book	-	978-93-6260-599-3	-	Charulatha Publications	Others
688	Dr.Nalini.N	Fiber- Optic Communication Systems	February-2024	Book	-	978-93-6096-664-5	-	Cosmas Scientific Publications	Others
689	Dr. M. R. Arun	Digital Communication Systems	May-2024	Book	-	978-81-972362-2-8	-	Techno Publishers	Others