

S.No	Name of Authors	Title of Paper	Journal name/Conference name	Year of Publication
1	Kaviarasu C1 , Kishore G2 , Nithish P3 , Dr G A Sathish Kumar4	Text and Image Encryption using ECC	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	2024
2	K. Kiruthika Devi and G. A. Sathish Kumar	Bio-Inspired Algorithm Based Undersampling Approach and Ensemble Learning for Twitter Spam Detection	International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems	2024
3	K. Srividhya, P. Jothilakshmi	Compact coradiator dual polarized MIMO antenna for future 5G, emerging 6G and IoT applications	Engineering Science and Technology an International Journal	2024
4	N. Padmapriya and N. Kumaratharan	Enhancing Spotted Hyena optimization with fuzzy logic for complex engineering optimization	International Journal of Machine Learning and Cybernetics https://doi.org/10.1007/s13042-024-02130-6	2024
5	T.S. Sindhu, N. Kumaratharan and P. Anandan	Hybrid optimized deep fuzzy clustering-based segmentation and Deep Maxout Network for Alzheimer's disease classification	Biomedical Signal Processing and Control	2024
6	R. Thandaiah Prabu, S. R. Malathi, Rajnish Kumar, Huda S. Alkhalidi and Atul Kumar	Impact of Grain Size and Grain Nature in Thin Film Solar Cells	Energy Technology	2024
7	S. R. Malathi · P. Vijay Kumar.	MULTI-head self-attention-based recurrent neural network with dwarf mongoose optimization algorithm-espoused QRS detector design	Signal, Image and Video Processing SIViP (2024)	2024
8	M.Bindhu	Design and fabrication of NiSe2/g-C3N4 hybrid composite counter electrode for Pt-free dye-sensitized solar cells	J Mater Sci: Mater Electron 35:443	2024

9	K. Srividhya, P. Jothilakshmi	Compact coradiator dual polarized MIMO antenna for future 5G, emerging 6G and IoT applications	Engineering Science and Technology an International Journal	2024
10	S.Radhika	An Effective Speech Emotion Recognition Model for Multi-Regional Languages Using Threshold-based Feature selection	Systems and Signal Processing	2024
11	S.Radhika, A. Prasanth	An Effective Speech Emotion Recognition Model for Multi-Regional Languages Using Threshold-based Feature selection	Systems and Signal Processing	2024
12	Lavina Balraj, A.Prasanth	An energy-aware software fault detection system based on hierarchical rule approach for enhancing quality of service in internet of things-enabled wireless sensor network	Transactions on Emerging Telecommunications Technologies	2024
13	Yokesh V	On the Design of a Stepped Mixed Signal Transmission Line with Defected Microstrip Structure for High-Frequency PCB Traces	Journal of High-Frequency Communication Technologies.	2024
14	Sangeetha R, Josephine Pon Gloria Jeyaraj, Balaji Vignesh L K, Subhamathi ASF, Divya K	IoT based Smart Trolley for Shopping using RFID and Node MCU	International Research Journal of Multidisciplinary Scope	2024
15	S. Vishnu Priyan, S. Dhanasekaran, P. Vivek Karthick, D. Silambarasan	A new deep neuro-fuzzy system for Lyme disease detection and classification using UNet, Inception, and XGBoost model from medical images	Neural Computing and Applications	2024
16	K. N. Vijeykumar, Silambarasan Dharmalingam, Vineel Talluri Jessy, and V. Aravind	ASIC Design of Low Power Sobel Edge Detection Filter: An Analog Approach	Journal of Circuits, Systems and Computers	2024
17	Dhanasekaran S., T. Thamaraimanalan, Silambarasan D., Vivek Karthick P.	A Lightweight CNN with LSTM Malware Detection Architecture for 5G and IoT Networks	IETE Journal of Research, 10.1080/03772063.2024.2352151	2024

18	Mohanraj, Dr. P. Jothilakshmi, R. Mohana Sundaram	SIMULATION OF FLOWER SHAPED ANTENNA FOR X-BAND APPLICATIONS	NCSPCN 24	16/4/2024
19	P. Jothilakshmi, C. Gomatheeswari Preethika, R. Mohanasundaram, Sagi Sravan Kumar	DESIGN OF REFLECT ARRAY UNIT CELL FOR KU BAND UPLINK FREQUENCY	AIP Conference Proceedings	28/11/2024 to 29/11/2024
20	Avinash P, Ganeshan H, Hemkumar V, N. Kumaratharan	GYRO AND ACCELEROMETER-BASED HEAD GESTURE DETECTION FOR INTELLIGENT INTERFACES	NCSPCN 24	16/4/2024
21	Dr. Gayathri R, Leann Elizabeth James, Nareesh U D, Narain Muralidharan	IOT BASED SMART WHEELCHAIR FOR ENHANCED MOBILITY AND INDEPENDENCE	NCSPCN 24	16/4/2024
22	Shanmathi, Dr. Gayathri R	ACCURATE BREAST CANCER DETECTION USING ANN AND GMM SEGMENTATION	NCSPCN 24	16/4/2024
23	Saambavi PU, Lathikaa Shri S, Koushika Devi S, Dr. R. Gayathri	ROBUST PLASTIC DEBRIS DETECTION IN MARITIME ENVIRONMENTS USING CONVOLUTIONAL NEURAL NETWORK (CNN)	NCSPCN 24	16/4/2024
24	Kavya S K , Mahisha P, NishadharshiniN, Dr.R Gayathri	BONE CANCER DETECTION: ENHANCING EARLY DIAGNOSIS AND TREATMENT THROUGH ADVANCED COMPUTATIONAL TECHNIQUES	NCSPCN 24	16/4/2024
25	Nivetha DR, Priyadarshini S, Priyadarshni B, Dr. R Gayathri	PREDICTION OF EYE DISEASES BASED ON RETINAL IMAGES RETINASCAN: PROACTIVE EYE HEALTH MONITORING THROUGH IMAGE ANALYSIS	NCSPCN 24	16/4/2024

26	J. Buvana, Dr.R.Gayathri	ROBUST KEY DERIVATION IN MINING FOR BLOCKCHAIN NETWORK USING CRYPTOGRAPHIC HASH FUNCTIONS AND VOTING BASED ALGORITHM	NCSPCN 24	16/4/2024
27	S.Nandhini, R.Gayathri	LIVER COMPUTED TOMOGRAPHY IMAGE ANALYSIS AND ABNORMALITY CLASSIFICATION IN MACHINE LEARNING	NCSPCN 24	16/4/2024
28	Nivetha P, Pooja Varadarajan, Keerthana D, Dr. R. Gayathri	NEURO-BIONIC PROSTHETIC HAND CONTROL USING EEG	NCSPCN 24	16/4/2024
29	Tanaya Kanung Dr.R.Gayathri, S.Manju	A REVIEW FOR AI/ML IMPLEMENTED IN MICRO ELECTRONICS.	NCSPCN 24	16/4/2024
30	Pushpaprriya, Tanaya Kanung, Dr.R.Gayathri, S.Manju	EMPOWERING MOBILITY: THE EVOLUTION AND IMPACT OF WHEELCHAIRS IN REHABILITATION	NCSPCN 24	16/4/2024
31	T J Jeyaprabha	INNOVATIVE SOLAR ENERGY INTEGRATION FOR BATTERY-LESS MOBILE PHONES	International Conference on Nanoelectronics, Computational Intelligence & Communication Systems (NCCS-2023)	13th April 2024
32	Mervin Jerel D, Moneshwar C, Naveenkumar S, Dr. D. Menaka	DECRYPTING THEFT SUSPECTS IN LOW-RESOLUTION SNAPSHOTS	NCSPCN 24	16/4/2024
33	Sai Sundar K, Sarveshwar V, Vijay K, S.P.Sivagnana Subramanian	TRAFFIC SIGN DETECTION WITH OCCLUSION USING YOLO 7	NCSPCN 24	16/4/2024
34	Kalaiselvi M R , Preetham S, S Kalyani	ADVANCED STEERING MECHANISM USING ELECTRONIC CONTROL UNIT	NCSPCN 24	16/4/2024

35	Kousalya R, Rajit H, Srivani M, Sanjay Lokesh A M	ROBUST AUTHENTICATION AND ENCRYPTION PROTOCOL FOR MILITARY APPLICATIONS	NCSPCN 24	16/4/2024
36	Rakshana S, Sahana Balasubramaniam, Sakthi Maheswari M, B.Sarala	CARDLESS AND SECURE ATM CASH WITHDRAWAL	NCSPCN 24	16/4/2024
37	Preetham Raj M B, Muthukumar S, Prasanna A, .Muthukumaran P	LORA-BASED PADDY FIELD MONITORING SYSTEM FOR REMOTE SENSING OF AGRICULTURAL PARAMETERS	NCSPCN 24	16/4/2024
38	Pranav A, Kavinkarthic RB, Naveen Kumar C, M.K Varadarajan	SMART ENERGY MONITORING FOR EFFICIENT MONETIZATION USING ESP32	NCSPCN 24	16/4/2024
39	P. Jothilakshmi, C. Gomatheeswari Preethika, R. Mohanasundaram, Sagi Sravan Kumar	DESIGN OF REFLECT ARRAY UNIT CELL FOR KU BAND UPLINK FREQUENCY	AIP Conference Proceedings	28/11/2024 to 29/11/2024
40	Ms S M Mehzabeen, Navin Kumar , Mansoor Bin Fashila, Jishnupriya.M.D	TENDON DRIVEN CONTINUUM ROBOT (TDCR) FOR EXPLORATION AND RESCUE IN DYNAMIC ENVIRONMENTS	NCSPCN 24	16/4/2024
41	K Venkatesh	ALZHEIMER DISEASE IDENTIFICATION USING NEURO IMAGING AND DEEP LEARNING STRAGERGIES	NCSPCN 24	16/4/2024
42	Abu Akash B, Dinesh Adhithya S B, Gokul E Dr. Ramya A	EARLY CRACK DETECTION OF RAILWAY TRACK	NCSPCN 24	16/4/2024

43	Dr. Kavitha M, Kabilan S, Santhosh Kumar P	SMART MOUNTAIN CLIMBERS HEALTH MONITORING AND POSITION TRACKING	NCSPCN 24	16/4/2024
44	Hari Narayanan V Hemanth K V , S. M . Abinaya	DESIGN AND ANALYSIS OF 16 BIT VEDIC MULTIPLIER	NCSPCN 24	16/4/2024
45	S. Mary Cynthia,Dharun Arvind K C,Guru Vignesh M,Giriprasath R,	ENHANCING WIND POWER PREDICTION FOR GRID STABILITY	ICCNAIC 24	05-02-2024
46	Hari Narayanan V, HemanthK V, S. Mary Cynthia	DESIGN AND ANALYSIS OF 16-BIT VEDIC MULTIPLIER USING CSLA-BEC ARCHITECTURE	ETMCIS 2024	13/5/2024
47	Silambarasan, L.K.Balaji Vignesh, Aukshay R B, Bala Seshanth R, Akash G	DESIGN OF HIGH-SPEED MULTIPLICATION AND ACCUMULATION UNIT FOR DSP APPLICATIONS	NCSPCN 24	16/4/2024
48	L.K.Balaji Vignesh, V.S.Prithivi Raj, R.Shivaganapathy, P.Vasanth	WIRELESS POWER FOR IOT CONNECTIVITY	NCSPCN 24	16/4/2024
49	Silambarasan, L.K.Balaji Vignesh, Aukshay R B, Bala Seshanth R, Akash G	DESIGN OF HIGH-SPEED MULTIPLICATION AND ACCUMULATION UNIT FOR DSP APPLICATIONS	NCSPCN 24	16/4/2024
50	V. Ramesh Babu, S. Mary Cynthia, K. Savima, G. Lakshmi Vara Prasad	Applications of Magnetic Resonance Imaging Techniques and its advancements in Computational Imaging and Analytics in Biomedical Engineering Algorithms and Applications	Taylor & Francis	2024
51	Vidya M., Ganesh Vaidyanathan S.	Dysarthric Severity Categorization Based on Speech Intelligibility: A Hybrid Approach	Circuits, Systems, and Signal Processing	August 2024

52	D. Silambarasan, K. N. Vijeyakumar, · K. Saranya	Area-efficient low-power image watermarking architecture using faithful approximation and reversible logic	Multimedia Tools and Applications / https://doi.org/10.1007/s11042-024-19702-x	June 2024
53	Dr.S.Vijayanand	Smart Contact Lenses Integrating IoT and Cloud-based Neural Networks for Early Detection of Ocular Diseases	International Conference on Smart Computing & Communications (ICSCC)	25-07-2024
54	Dr.K.E.Purushothaman, Mr.L.K.Balaji Vignesh, Dr.A.Ashwini, Mr.A.Mahadevan	Multibiometric Authentication System using Gesture Recognition	Second International Conference on Intelligent Cyber Physical Systems and Internet of Things (ICoICI 2024)	28-08-2024
55	1.Lohith Ashwa S, 2Nawin A,3.Pattunnarajam P, 4.Mehzabeen S M,5.Vidyashree S	Automatic Irrigation Bot	67th IETE annual convention	14-09-2024
56	1Roshan, 2Vikaash , 3Pattunnarajam, 4Mehzabeen 5Theeran A	Smart GyroGloves for Parkinson's Patients	67th IETE annual convention	14-09-2024