

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

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Department of Electronics and Communication Engineering

Journal Publication Details List - 2024-2025

S.No	Authors Name	Title of the Paper	Journal / Conference Name	Publisher's Name/College Name	Volume Number, Issue Number	Year of Publication	Indexing Details	DOI Number	Journal / conference Proceeding s Link
1	Dr.S.Karthigai Lakshmi	Brain Tumor Classification in MRI using hybrid ASA-based deep learning and masi entropy multilayer thresholding segmentation with sunflower optimization	Lleta.org	IIETA	42,223-241	2025	SCI SCOPUS	https://doi.org/10.18280/ts.420120	
2	Dr. M. Premkumar	Symmetrically Stepped Reflective Surfaces for EnhancedMultiband Stealth and Phase Cancellation	Progress In Electromagnetics Research M,	THE ELECTRO-MAGNETIC ACADEMY	132,95-103	2025	ESCI SCOPUS		
3	Dr. M. Premkumar	Unveiling the Potential of Wearable Antennas and Microwave Technology in Kidney Cancer Detection	J. Inst. Eng. India Ser. B (December 2024)	1835–1851	Vol. 132, 95–103, 2025	2024	SCOPUS	https://doi.org/10.1007/s40031-024-01126-8	https://link.springer.com/article/10.1007/s40031-024-01126-8
4	Dr.M. Manikandan.	Enhanced Performance of Hybrid Dielectric Resonator Antenna with Hexagonal Ring Patch and Ground Slot for Multiband Operation in 5G Wireless Communication		Original scientific paper 1330-3651		2024	SCIE SCOPUS	https://doi.org/10.17559/TV-20240108001254	https://doi.org/10.17559/TV-20240108001254

5	Dr. K.Ganapriya	A novel and secured email classification using deep neural network with bidirectional long short-term memory	Computer Speech & Language	homepage: www.elsevier.com/locate/csl		2025	SCIE SCOPUS	https://doi.org/10.1016/j.csl.2024.101667	
6	Dr. R.Carol Praveen	Computational Design of Strip Waveguide Bragg Gratings Using Neural Networks for Hexagonal Shaped Refractive Index Biosensors Based Blood Sample Detection	ECS Journal of Solid State Science and Technology	file:///C:/Users/erpece/Downloads/R_2025_ECS_J_Solid_State_Sci_Technol_14_037004.pdf	Vol. 239	2025	A-1		
7	Dr. R.Carol Praveen	Hybrid Cnn-Xgboost Model For Efficient Diabetic Retinopathy Classification	International Journal of Engineering Development and Research	IJEDR	Vol 13 Issue 2	2025	A-1	ISSN: 2321-9939	
8	R.Senthil Kumar	IoT-Based Smart Greenhouse Farming	International Journal of Innovative Research in Science Engineering and Technology (IJIRSET)	IJIRSET	Vol.14,Issue 4	2025	Non UGC	www.ijirset.com	
9	Dr. R.Carol Praveen	Plant Disease Detection using AI to identify the crop diseases	International Research Journal of Engineering and Technology (IRJET)	IRJET	Volume: 10 Issue: 03	2025	Non UGC	www.ijirset.com e-ISSN: 2395-0056	
10	A.Geetha	Water Quality Classification Using Recurrent Neural Networks	International Journal of Engineering Development and Research	www.ijedr.org	Volume 13, Issue 2	May 2025	Non UGC	https://rjwave.org/ijedr/papers/IJEDR2502048.pdf	

11	A.Geetha	AI-Powered Energy Management System With Smart Meter Cyberattack Detection	International Journal of Engineering Development and Research	IJEDR	Volume 13, Issue 2	May 2025,	Non UGC	https://rjwave.org/ijedr/papers/IJEDR2502049.pdf	
12	J.Vetrimanikumar	Optimized LSTM models for enhanced heart disease prediction using data mining techniques	International Journal of Engineering Development and Research	IJEDR			Non UGC		
13	J.Vetrimanikumar	Forest Fire Prediction and Monitoring using Machine learning	International Journal of Engineering Development and Research	IJEDR			Non UGC		
14	K.Moniga	Cardiac arrhythmia detection using AI/ML	Journal of Science technology and research	JSTAR	Vol. 6, Issue 1	2025	UGC		
15	R.Sudha & P.Karthika	Eco-Wipe: Hygiene enhancement initiatives	International Journal Of Engineering Innovations And Management Strategies	IJEIMS		2025	Non-UGC		
16	Dr.S.Karthigai Lakshmi & A.Geetha	AI driven WBAN healthcare using machine learning	International journal of Research in Electronics and Communication Technology	IJRECT	Vol.8, Issue 1	2025	Non-UGC		
17	Arockia Helan Sushma A	An Automated detection of cerebral infraction in computed tomography (CT) brain Images using 3D UNET model of convolutional Neural Network	International Journal of Advanced trends in Engineering and Management	IJATEM	Vol.4, Issue 1	2025	UGC	ISSN 2583-7052	

18	Arockia Helan Sushma A	ML powered UPI fraud detection	Journal of Science technology and research	JSTAR	Vol.6,Issue 1	2025	Non-UGC	Paper ID JSTAR-6682	
19	K.Divya & Dr.S.Karthigai Lakshmi	The impact of AI on modern agriculture	Journal of Emerging Technologies and Innovative Research	JETIR	Vol.12,Issue 2	2025	UGC	ISSN 2349-5162	
20	Dr.K.GanaPriya	Bus Tracking And Management Using Embedded & IOT	INTERNATIONAL JOURNAL OF ENGINEERING INNOVATIONS AND MANAGEMENT STRATEGIES	IJEIMS	2025020101 (Paper ID)	2025	Non-UGC		
21	S.Keerthana	Revolutionizing interior spaces:A comprehensive analysis of LED lighting for illumination and communication in modern architecture	Energy and buildings	Science Direct	Vol.331	2025	SCIE	115297	https://doi.org/10.1016/j.enbuild.2025.115297
22	S.Keerthana	Exploring illumination and communication :A comprehensive analysis of LED lighting in modern interior architectural design	Transactions on Emerging Telecommunications technologies	Wiley	Vol.36,Issue 1	2025	SCIE		https://doi.org/10.1002/ett.70036
23	V.P.Jayfantin	P Advancements in AI-Driven Wildlife Monitoring and conflict Mitigation:A Comprehensive Review	Journal of Emerging Technologies and innovative Research	JETIR	Vol 12,issue 5	2025		ISSN 2349-5162	

24	V.P.Jayfantin	Modern coal mine safety system	International Journal of innovative Research Technologies	IJITER	VOL 11,Issue 12	2025		ISSN 2349-6002	
25	G.Saranya	An Automated and lightweight recursive kernel optimized network (LReKON) learning model for cervical diagnosis	International Journal of Engineering Development and Research	IJEDR	VOL-13	2025		ISSN 2321-9939	
26	K.Arunkumar	Design And Analyze Of Miniaturized Meander line Antenna For Ingestible Application	International Journal Of Engineering Development And Research	IJEDR	Vol13 ,Issue 2	2025		ISSN 2321-9939	
27	G.Rajarajeshwari	An Ultra-Low-Power And Adaptive Approximate Multiplier	International Journal Of Engineering Innovations And Management Strategies,	IJEIMS					
28	Dr. M. Manikandan	Performance Analysis Of Textile Substrates In Wearable Textile Antenna Operating In Ism Band	International Research Journal of Engineering and Technology	IRJET	Vo 10, Issue: 03	2025		ISSN: 2395-005	
29	Dr. M. Manikandan	Miniaturized Split Ring Resonator Design and Analysis with Textile Substrates: A Performance Comparison Approach	International Research Journal of Engineering and Technology	IRJET	Vol12, Issue: 05	2025		ISSN: 2395-0056	
30	E. Thangadeepiga	ML Glove for Sign-to-Text Translation	International Journal of Engineering Development and Research	IJEDR	Vol 13, Issue 2	2025		ISSN: 2321-9939	
31	R.Senthil Kumar	Mammographic Feature Analysis And Mass Detection In Breast Cancer	International Research Journal of Engineering and Technology	IRJET	Volume: 12 Issue: 06 Jun 2025	2025		ISSN 2395-0056	

32	Dr. R.Carol Praveen	Design and Analysis of Graphene-Based Square Ring and Thin Wire Resonator Surface Plasmon Resonance Biosensor for Adrenal Cancer Detection				2025			
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