



PANIMALAR ENGINEERING COLLEGE

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CONFERENCE PUBLICATIONS

AY 2024-2025

S.No	AUTHORS	PAPER TITLE	CONFERENCE NAME	INDEXED (GOOGLE SCHOLAR/ SCOPUS)	LINK
1	M.Nalini, et.,al.,	Revolutionizing Industrial Internet of Things Security with an Innovative Image Steganography Technique	Fourth International Conference on Smart Technologies in Computing, Electrical and Electronics	SCOPUS	https://www.scopus.com/aut hid/detail.uri?authorId=59257360200
2	ARUN M, et.,al.,	Design and Implementation of AMBA-APB Protocol for System-on-Chip (SoC) Designs	IEEE Xplore	SCOPUS	https://www.scopus.com/rec ord/display.uri?eid=2-s2.0-85196869585&origin=result slist
3	ARUN M, et.,al.,	Enhancement of Network Security in MANET using Adaptive Coronavirus Herd Immunity Optimizer (ACHIO) Algorithm for IoT Applications	IEEE Xplore	SCOPUS	https://www.scopus.com/rec ord/display.uri?eid=2-s2.0-85198750402&origin=result slist
4	ARUN M, et.,al.,	Cardiovascular Disease Prediction Through Machine Learning Algorithms	2024 3rd International Conference on Applied Artificial Intelligence and	SCOPUS	https://www.scopus.com/rec ord/display.uri?eid=2-s2.0-85198753004&origin=result slist

			Computing (ICAAIC)		
5	Srividhya.G , et.,al.,	Branch Line Couplers Demystified: A Comprehensive Overview	7th International Conference on Devices, Circuits and Systems (ICDCS)	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85197928816&origin=resultlist
6	Dr. Hariprasath Manoharan, et.,al.,	Enhancing Energy Efficiency via Artificial Intelligence	2024 International Conference on Trends in Quantum Computing and Emerging Business Technologies	SCOPUS	scopus.com/authid/detail.uri?authorId=57221013517
7	N.REVAT HI, et.,al.,	Expeditious Diagnosis of Cerebral Aneurysm on MR Brain Angiogram Images Utilizing Soft Computing Techniques.	International Conference on Inventive Computation Technologies (ICICT) 2024	SCOPUS	10.1109/ICICT60155.2024.10544416
8	M.Nalini, et.,al.,	Revolutionizing Industrial Internet of Things Security with an Innovative Image Steganography Technique	Proceedings of the 4th IEEE International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2023	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85199507145&origin=resultlist
9	M.Messiah Josephine, et.,al.,	Advancing 5G and Future Networks with Two- Dimensional Beam Lens Array Antennas	Proceedings of the 4th IEEE International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2023, 2023	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85199495789&origin=resultlist
10	Sheeba SAnthosh, et.,al.,	Comparative Analysis Fault Detection in HT Electrical Insulators using Modified Transfer Learning based ResNet50,	10th International Conference on Electrical Energy Systems, ICEES 2024	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=59504224400

		EfficientNetB0, and VGG16 through Image Processing			
11	M.NALINI, et.,al.,	Proceedings of the 4th IEEE International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2023, 2023	Proceedings of the 4th IEEE International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2023, 2023	SCOPUS	10.1109/ICSTCEE60504.2023.10585078.
12	N.Revathi, et.,al.,	Expeditious Diagnosis of Cerebral Aneurysm on MR Brain Angiogram Images Utilizing Soft Computing Techniques	7th International Conference on Inventive Computation Technologies, ICICT 2024	SCOPUS	https://ieeexplore.ieee.org/document/10544416
13	Dr. R. Manikandan	Enhancing Blockchain-Based Access Control in Cloud Computing with Machine Learning Techniques	2024 International Conference on Emerging Research in Computational Science (ICERCS)	SCOPUS	https://www.scopus.com/authorid/detail.uri?authorId=57204827123
14	Dr. R. Manikandan , et.,al.,	ENCL: An Extensive Learning based Methodology to Predict Liver Disease by using Enhanced Neural Classification Logic	2024 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES)	SCOPUS	https://www.scopus.com/authorid/detail.uri?authorId=57204827123
15	Dr. R. Manikandan , et.,al.,	Innovative Approaches to Image Processing: Real- Time Applications and Future Prospects	2024 3rd International Conference for Advancement in Technology (ICONAT)	SCOPUS	https://www.scopus.com/authorid/detail.uri?authorId=57204827123
16	Sheeba Santhosh, et.,al.,	An Evaluation of the State of Health of Strawberry Plants for Organic Farming Through	5th International Conference on Data Intelligence and Cognitive Informatics,	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85216697952&origin=recordpage

		the Utilization of Unmanned Aerial Vehicles	ICDICI 2024		
17	DR.C.RAM ESH KUMAR, et.,al.,	A Moderated Deep Learning Approach for Retinal Blood Vessel Segmentation Hybrid Neural Classification and Optimization Logic	INTERNATIONAL CONFERENCE ON INNOVATION COMPUTING INTELLIGENT COMMUNICATION AND SMART ELECTRICAL STRUCTURE	SCOPUS	https://mail.google.com/mail/u/0/#search/IEEE+PAPER/QgrcJHrnvDdjHnwNHDXXcrmvFVhttps://www.scopus.com/record/display.uri?eid=2-s2.0-105001298960&origin=recordpage
18	Dr.S.Deepa, et.,al.,	Design of 1:4 Wideband Wilkinson Power Divider	AIP Conf. Proc. 3175, 030018 (2025)	SCOPUS	https://www.scopus.com/authorid/detail.uri?authorId=57213695812
19	Dr.S.Deepa, et.,al.,	Classification of hyperspectral image using CSCNN - A review	AIP Conf. Proc	SCOPUS	https://www.scopus.com/authorid/detail.uri?authorId=57213695812
20	Dr.I.Poonguzhali, et.,al.,	Wavelet Transform based Bidirectional Long Short-Term Memory for Predicting Water Demand	2024 First International Conference on Software, Systems and Information Technology (SSITCON)	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85215687237&origin=recordpage
21	D TAMILSELVI, et.,al.,	Design and Development of Smart Medical Stretcher	ICONIC 2023	SCOPUS	https://www.scopus.com/authorid/detail.uri?authorId=59699303700&origin=resultslist
22	R.Prathipa, et.,al.,	Optimizing Crime Prevention Strategies Using Machine Learning Models	2024 First International Conference for Women in Computing (InCoWoCo)	SCOPUS	https://www.scopus.com/authorid/detail.uri?authorId=56607338800
23	ARUN M, et.,al.,	Enhancement of Network Security in Mobile Adhoc Networks using USASFO Algorithm for IoT Applications	5th International Conference on Data Intelligence and Cognitive Informatics, ICDICI 2024	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85216634006&origin=recordpage
24	ARUN M, et.,al.,	Real-Time Monitoring and Control Systems Using IoT-Integrated Wireless	2024 International Conference on Cybernation and Computation, CYBERCOM 2024	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85216272536&origin=recordpage

		Sensor Networks- Leveraging Machine Learning Algorithms for Enhanced Performance and Efficiency			
25	ARUN M, et.,al.,	Exploring Quantum Machine Learning Algorithms for Enhanced Data Classification and Clustering in Complex Systems - Integration with Gradient Boosting and K-means for Improved Performance	2024 International Conference on Cybernation and Computation, CYBERCOM 2024	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85216256367&origin=recordpage
26	ARUN M, et.,al.,	Real-Time Deep Learning for Dynamic Scene Understanding and Autonomous Robot Navigation	2024 International Conference on Cybernation and Computation, CYBERCOM 2024	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85216252577&origin=recordpage
27	ARUN M, et.,al.,	A Deep Learning Framework for Diagnosing and Predicting Knee Osteoarthritis Utilizing Convolutional Neural Networks	2024 1st International Conference on Software, Systems and Information Technology, SSITCON 2024	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85215669854&origin=recordpage
28	ARUN M, et.,al.,	Continuous Gesture Recognition in Human-Computer Interaction through Real-Time Machine Learning Models	IEEE International Conference on Recent Advances in Science and Engineering Technology, ICRASET 2024	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-105000519968&origin=resultslist&sort=plf-f&src=s&sot=b&sdt=b&s=TITLE%28Continuous+Gesture+Recognition+in+Human-Computer+Interaction+through+Real-Time+Machine+Learning+Models%29
29	ARUN M, et.,al.,	Blockchain- Powered Decentralized Resource Allocation and Management for Cloud Computing	IEEE International Conference on Recent Advances in Science and Engineering Technology, ICRASET 2024	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-105000515386&origin=resultslist&sort=plf-f&src=s&sot=b&sdt=b&s=TITLE%28Blockchain-Powered+Decentralized+Res

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30	ARUN M, et.,al.,	"Android Malware Detection Using Deep Transfer Learning Model for IoT Applications,	2024 IEEE International Conference on Communication, Computing and Signal Processing (IICCCS)	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85214427045&origin=recordpage
31	ARUN M, et.,al.,	Implementation of Automatic Engine Control Mechanism using Bluetooth for IoT Applications	2024 3rd International Conference for Advancement in Technology, ICONAT 2024	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85214977439&origin=recordpage
32	R.Suganthi, et.,al.,	HNCS: A Robust Development of Deep Learning Based Potato Plant Disease Identification Using Hybrid Neural Classification Strategy	2024 4th Asian Conference on Innovation in Technology (ASIANCON) Pune, India. Aug – 23- 25, 2024	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85218177420&origin=recordpage
33	Dr.Sathiya Priya S, et.,al.,	Improving Data Encoding for Enhanced AI Performance in Complex Datasets via Quantum Feature Space Mapping: Harnessing Quantum Algorithms	2025 International Conference on Pervasive Computational Technologies (ICPCT)	SCOPUS	https://www.scopus.com/authorid/detail.uri?authorId=57647888300
34	Dr.SATHIYA PRIYA S, et.,al.,	Hybrid Particle Swarm Optimization Algorithm with Deep Learning for Hyperspectral Images in Crops	2024 International Conference on Data Science and Network Security (ICDSNS)	SCOPUS	https://www.scopus.com/authorid/detail.uri?authorId=57647888300
35	Dr.S.Maheswari, et.,al.,	Design and development of smart medical stretcher	6th International Conference on Intelligent Computing	SCOPUS	https://www.scopus.com/authorid/detail.uri?authorId=57216026482

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36	Dr.S.Maheswari, et.,al.,	A comparative analysis of various phase shifters	6th International Conference on Intelligent Computing (IConIC 2023)	SCOPUS	https://www.scopus.com/authorid/detail.uri?authorId=57216026482
37	Dr.S.Maheswari, et.,al.,	Design of microstrip patch antenna using T-slot	6th International Conference on Intelligent Computing (IConIC 2023)	SCOPUS	https://www.scopus.com/authorid/detail.uri?authorId=57216026482
38	Dr.S.Maheswari, et.,al.,	Microstrip patch 1x2 array antenna with slot for Ku-band applications	6. 6th International Conference on Intelligent Computing (IConIC 2023)	SCOPUS	https://www.scopus.com/authorid/detail.uri?authorId=57216026482
39	GURUPANDI D, et.,al.,	"Analysis on Capacity of Next Generation Wireless Communication Networks using Artificial Intelligence"	IEEE 2024 International Conference on Communication and Electronics Systems (ICCES 2024)	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85218413386&origin=recordpage
40	GURUPANDI D, et.,al.,	Anomaly Detection in IoT Data Streams Based on Long Short-Term Memory	IEEE 2024 International Conference on Intelligent Algorithms for Computational Intelligence Systems-IACIS 2024	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85208812413&origin=recordpage
41	M.MESSIAH JOSEPHINE, et.,al.,	Advancing 5G and Future Networks with Two-Dimensional Beam Lens Array Antennas	2023 Fourth International Conference on Smart Technologies in Computing, Electrical and Electronics (ICSTCEE)	SCOPUS	https://www.scopus.com/authorid/detail.uri?authorId=57216485141
42	M.Messiah Josephine, et.,al.,	Advanced Circularly Polarized Transmitter using Active Phased Array Antenna	2023 Fourth International Conference on Smart Technologies in Computing, Electrical and Electronics	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85199569153&origin=recordpage

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43	Dr. D. ARUL KUMAR, et.,al.,	A Hybrid LSTM-GAN Model for Predictive Cyber Threat Intelligence and Anomaly Detection	2024 International Conference on Integrated Intelligence and Communication Systems (ICIICS)	SCOPUS	https://www.scopus.com/authorid/detail.uri?authorId=56703311500
44	D.Padmapriya, et.,al.,	A Novel Dual Temporal Channel Convolutional Network with Exponential Distribution Optimizer for Satellite Image Classification with Google Earth Engine	Fourth International Conference on Ubiquitous Computing and Intelligent Information Systems (ICUIS-2024) IEEE Xplore	SCOPUS	https://www.scopus.com/authorid/detail.uri?authorId=57202513065
45	Dr.D.Kalaiy arasi, et.,al.,	NODEMCU-Based Real-Time Soldier Health Monitoring System using IOT	6th International Conference on Intelligent Computing, IConIC2K 2023	SCOPUS	https://www.scopus.com/pages/publications/105000258455
46	Dr.D.Kalaiy arasi, et.,al.,	Design and Development of Smart Medical Stretcher	6th International Conference on Intelligent Computing, IConIC2K 2023	SCOPUS	https://www.scopus.com/pages/publications/105000297591
47	Dr.D.Kalaiy arasi, et.,al.,	Design of Microstrip Patch Antenna Using T-Slot	6th International Conference on Intelligent Computing, IConIC2K 2023	SCOPUS	https://www.scopus.com/pages/publications/105000361000
48	Dr.D.Kalaiy arasi, et.,al.,	AI-Driven Fault Detection in Smart Grids	3rd Odisha International Conference on Electrical Power Engineering, Communication and Computing Technology, ODICON 2024	SCOPUS	https://www.scopus.com/pages/publications/85215962677
49	Dr.I.Poongu zhali, et.,al.,	Machine Learning-Driven Hybrid Adaptive Beamforming for Efficient Interference Mitigation in Dense Wireless	2025 International Conference on Visual Analytics and Data Visualization (ICVADV)	SCOPUS	https://www.scopus.com/authorid/detail.uri?authorId=57204760259

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50	Dr.T.Suguna, et.,al.,	Parametric design and performance analysis of hexagonal patch antenna at 19.4GHz Available to Purchase	International Conference on Intelligent Computing, IConIC2K 2023	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-105000221572&origin=recordpage
51	Dr.T.SUGUNA, et.,al.,	NODEMCU-Based Real-Time Soldier Health Monitoring System using IOT	6th International Conference on Intelligent Computing, IConIC2K 2023	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-105000258455&origin=recordpage
52	Dr.T.Suguna, et.,al.,	Efficient Approximate Adders for Image Processing Applications	2024 International Conference on Advances in Computing Research on Science Engineering and Technology, ACROSET 2024	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85211477787&origin=recordpage
53	MONISHA R, et.,al.,	EVOLUTION OF COMPACT MEANDER ANTENNA FOR MM WAVE COMMUNICATION	6TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING: IConIC2K23	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-105000359484&origin=recordpage
54	MONISHA R, et.,al.,	Design of Microstrip Patch Antenna with a Rectangular Slot for SATCOM Applications	6th International Conference on Intelligent Computing, IConIC2K 2023	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-105000245169&origin=recordpage
55	Dr.A.AMELIA ROSELINE, et.,al.,	Parametric design and performance analysis of hexagonal patch antenna at 19.4GHz	AIP Conf. Proc.	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=54788278200
56	Dr.A.AMELIA ROSELINE, et.,al.,	Enhancing Outpatient Medical Care Services Through SDN Cloud-Based Appointment Scheduling and Secure Data Management	IEEE 16th International Conference on Computational Intelligence and Communication Networks (CICN)	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=54788278200
57	Dr.A.AME	Predictive	2024 First	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=54788278200

	ELIA ROSELINE , et.,al.,	Analytics for Mental Health Crises using Social Media Data with Attention Mechanism based Support Vector Machine Classification	International Conference on Software, Systems and Information Technology (SSITCON)		hid/detail.uri?authorId=5478 8278200
58	Dr.S. SHIBU, et.,al.,	Experimental Analysis of Plant Disease Identification Methodology Based on Improved Classification and Deep Learning Principle	S Shibu; S Priyadharshini; M Madhini; K Radha; Pallavi Giri; Ahmad A. Ali Samhan	SCOPUS	https://www.scopus.com/aut hid/detail.uri?authorId=5720 3173804