



JERUSALEM COLLEGE OF ENGINEERING

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Research Papers and Articles(2024-2025)

S.No.	Department	Name of the author	Title of the paper	Title of the Journal/Conference
1	BME	Dr. J. Samuel Manoharan	Adaptive forest fire optimization algorithm for enhanced energy efficiency and scalability in wireless sensor networks	Ain Shams Engineering Journal
2	BME	Dr. J. Samuel Manoharan	Multi-task deep learning framework combining CNN: vision transformers and PSO for accurate diabetic retinopathy diagnosis and lesion localization	Springer Nature Scientific Reports
3	BME	Dr. J. Samuel Manoharan	Optimized deep learning models for stress-based stroke prediction from EEG signals	Discover Applied Sciences
4	BME	Dr.R.Anitha	Cloud Computing Approach in Healthcare Technology and Application: A Review	IEEE 5th International Conference on Electro-Computing Technologies for Humanity (NIGERCON) 979-8-3315-4255
5	BME	Dr.R.Anitha	Computational Machine Learning Approach for Brain Impairment	5th International Conference on Electro-Computing Technologies for Humanity (NIGERCON) 979-8-3315-4255
6	BME	Dr.R.Anitha	Innovative Cognitive Stroke Detection Analysis using Deep Learning Methodology	5th International Conference on Electro-Computing Technologies for Humanity (NIGERCON) 979-8-3315-4255
7	BME	Dr.R.Anitha	Smart Cloud Computing Approach for Electronic based Health Record System	5th International Conference on Electro-Computing Technologies for Humanity (NIGERCON) 979-8-3315-4255
8	BME	Dr.R.Anitha	Computational Approach for Cardiac Defect Detection using CNN Approach	5th International Conference on Electro-Computing Technologies for Humanity (NIGERCON) 979-8-3315-4255
9	BME	Ms.J. Sofia Bobby, Ms.CL. Annappoorani, Ms. V.Subha Ramya, Ms.V.Mythili	Evaluation Methods for studying Muscle Fatigue through Physiological Signal Monitoring	Proceedings of the International Conference on Biosignals, Images and Instrumentation (ICBSII)
10	BME	Ms.CL. Annappoorani, Dr.J. Sofia Bobby, Ms. V.Subha Ramya, Ms. V.Mythili	Self-powered Energy Harvesting Wearable Monitor	Proceedings of the International Conference on Biosignals, Images and Instrumentation (ICBSII)
11	BME	Ms. Subha Ramya V, Ms. Annappoorani CL, Dr. J. Sofia Bobby	Segmentation of Brain Tumors in CT Images: A Comparative Analysis Using Convolutional Neural Network (CNN) Techniques and Support Vector Machine (SVM)	2025 International Conference on Emerging Smart Computing and Informatics (ESCI)
12	BME	Ms.S.Purnima	Optimizing Neural Prosthetic Control Systems Using Genetic Algorithm for Adaptive Signal Processing	Proceedings of the International Conference on Multi-Agent Systems for Collaborative Intelligence (ICMSCI-2025), Scopus Indexed
13	BME	Ms.S.Purnima	Computational Review on Cognitive Analysis for Epilepsy Detection using ML and DL Applications	IEEE 5th International Conference on Electro-Computing Technologies for Humanity (NIGERCON)
14	BME	Ms.V.Mythili	“Chronotherapeutic Circadian-Based Pulsatile Drug Delivery of Etodolac for Morning Stiffness in RheumatoidArthritis”	Journal of Neonatal Surgery
15	BME	Dr.J.Sofia Bobby	Employing IoT in Biomedical Devices: Improving Remote Health Monitoring, Diagnosis, and Treatment with Sophisticated Sensor Networks and Data Connectivity	International Conference on Emerging Technologies and Innovation for Sustainability(EmerGIN)
16	BME	Ms.B.Nivetha	AI Approaches to Managing Ménière's Disease: A Survey of Microfluidic and Wearable Technologies for Vertigo Relief	3rd International Conference on Automation, Computing and Renewable systems
17	CS & BS	Ms G Preethi Wilson	A Review Analysis on Smart Blind Stick using IoT	IEEE Fourth International Conference on Sentiment Analysis and Deep Learning
18	CS & BS	Dr Maya Eapen	Real Time Violence Alert System Using Densenet Algorithm	IJSART
19	CS & BS	Ms S Gayathri	Thamizhi- Ancient Tamil Script To Modern Tamil Script In Stone Inscription	IJSART
20	CS & BS	Ms B Malathy	Fitness App: A customized workout recommendations based on the evaluation of the user's fitness objectives	Grenze International Journal of Engineering and Technology,
21	CS & BS	Dr Maya Eapen	Tamil Handwritten Text Recognition using Deep Learning Technique	2025 IEEE Wireless Antenna and Microwave Symposium (WAMS)
22	CS & BS	Ms G Preethi Wilson	A Deep Learning Approach to Pothole Detection for Autonomous Navigation on Indian Roads	IEEE 6th International Conference on Electronics and Sustainable Communication Systems Icesc 2025
23	CS & BS	Ms G Preethi Wilson	Benchmarking Image Filtering Methods for Improved Plant Disease Recognition	IEEE 4th International Conference on Innovative Mechanisms for Industry Applications Icimia 2025

24	CS & BS	Ms G Preethi Wilson	Early Detection and Classification of Colon Cancer using Region Aware Cross Attention U-Net	IEEE 4th International Conference on Innovative Mechanisms for Industry Applications Icimia 2025
25	CSE	Dr.A.Velmurugan,Rajesh P, Syed Tamim Mehdi, Tanmay Gupta	INTRVUE AI: AI-Powered Live Interview Platform for Bias-Free and Efficient Hiring	International conference on information technology enablers for persons with disability (intend 2.0)
26	CSE	Mr.Javed	Zero-Knowledge Proof on Blockchain to Boost Digital Defenses	11th International Conference on Communication and Signal Processing (ICCSPP 2025)
27	CSE	Mr.Javed,Dhnush Raj R,Hemant Raj , Jayashree K M	Cloud Integrated IoT Traffic Data Streaming System	International Conference on Global Trends in Engineering and Technological Advancement (2 ICGTETA'25)
28	CSE	Ms.M Vanitha sheba, Sanjay S,Nimal Selvan S M, Panner Selvam K	Smart bus tracking and triggering notification	ICICT-2025
29	CSE	Ms.Vanitha Sheba M , Dinesh Kumar G, Hariharan A, Kiran Rohith T	Senmon - A PostQuantum Decentralized Storage System	2nd International Conference on Data Analytics and Intelligence Computing
30	CSE	M. Vanitha Sheba,Sivapriya S, Rajalakshmi R, Udhaya kumar M	X-Forensics: The Future of Cloud Monitoring and Threat Attribution ML-Driven Evidence Security and Actor Tracking	International conference on information technology enablers for persons with disability (intend 2.0)
31	CSE	Ms.M.Vanitha Sheba, Akshiya K,Atchaya Sri T,Nivetha K	Smart assistive technologies for inclusive communication and learning	International conference on information technology enablers for persons with disability (intend 2.0)
32	CSE	Ms.P.Mahalakshmi Ms.Maria Jeraldin Sindhia Ms.Vanitha sheba Ms.Devipriya Ms.Mercy	EMOTCHY GLASS	2nd International Conference on Computing and Data Science (ICCDs-2025)
33	CSE	Ms H. Mercy, A. Santhya, P. Pavithra , M. Rakshana	"Edguard: A Defense Mechanism To Prevent Digital Abuse And Shield The Digital Safety Of Children"	International conference on information technology enablers for persons with disability (intend 2.0)
34	CSE	Dr.Divya, C.P.Jetlin	Handwritten Recognition using Hybrid CNN-SVM Model for Cerebral Palsy	ICOFE 2024-3rd International Conference on Optimization Techniques in the Field of Engineering
35	CSE	D.Divya, Godwin S, Jagadeesh M, Jenish J	Surveillance Systems: Body Dimension Analysis and Tamper Detection	ICDAIC 2025-International Conference on Data Analytics and Intelligence Computing
36	CSE	D.Divya, Theophila Murphy S, Vanitha M, Sathiyapriyan T	Abusive Content Auto-Detection and Removal System	ICA6NT 2025- International Conference on Artificial Intelligence, 6G Communications and Network Technologies
37	CSE	Dr.D.Divya , K.Balasubramanian, S. Britishya Rani,R.Harisri	Signsiamnet: offline signature verification using RESNET18 and siamese network	International conference on information technology enablers for persons with disability (intend 2.0)
38	CSE	Dr. D. Divya V,Sai Vikram, Surikutchi Sandhya, R. Vimal	An emergency SOS system using BLE for offline crisis communication	International conference on information technology enablers for persons with disability (intend 2.0)
39	CSE	Mrs. S.Devipriya,Signeta Gloria	Navigation Assistance for Visually Impaired people using IOT	National level Conference on Emerging Trends in Engineering and Technology
40	CSE	Ms.S.Devipriya ,A.Sivaganapathy, R.Vishall, M.N.Vishvajeeth	Efficient machine learning approach for crime detection in india	International conference on information technology enablers for persons with disability (intend 2.0)
41	CSE	Ms.Devirpiya S, Mohammed Noorul Haq J, Logeshwaran S,Johnson Ebinezer G	MinSaver - Smart Electricity Monitoring System	International conference on information technology enablers for persons with disability (intend 2.0)
42	CSE	Ms.P.Mahalakshmi,Priya Dharshini A, Rajeshwari P,Sadhana N	Perceiving and preventing attacks in cloud environment	International Conference on Data Analytics and Intelligence Computing
43	CSE	Ms.P.Mahalakshmi,R.Aakash, HARISH I, HARIHARAN A	AVATAR COMPANIO	2nd International Conference on Global Trends in Engineering and Technological Advancement (2nd ICGTETA'25)
44	CSE	Ms K.shenbagavalli ,Janani MV,Monisha S, Sowmiya S	Data Driven crop yield forecasting using meteorology	5th International Conference on Artificial intelligence, 6G Communication and Network tec(ICA6NT)
45	CSE	Ms.C.Needhu, LeoRaj NJ, Manoj Kumar, Akshay Prakash V	AI Powered Image Captioning	International Conference on Data Analytics and Intelligence Computing (ICDAIC '25)
46	CSE	Mrs.M.Maria Jeraldin sindhia	Spherical Convolutional MASKR-NET OSPREY Optimization Algorithm for Accurate Identification of Crops Diseases in Smart Agriculture	6th International Conference on Inventive Research in Computing Applications.(ICIRCA)
47	CSE	Ms.M.Aishwarya	Large language model AI text generation detection based on transformer deep Fast Quantum Convolutional Neural Networks	6th International Conference on Inventive Research in Computing Applications.
48	CSE	Ms.J.Rajeshpushpa	Speech Based early detection of Parkinson's Disease	International Conference on Innovative Trends in Information Technology
49	CSE	Ms.Chitra Devi R	Fitness App: A customized workout recommendations based on the evaluation of the user's fitness objectives	Hinweis Third International Conference on Recent trends in Machine Learning and Image processing
50	CSE	Ms.M.Vanitha Sheba ,V. Sudharshan, M. Tonny, S Varshini	Cloud Network Anomaly Detection System	2nd International Conference on Data Analytics and Intelligence Computing

51	IT	Dr.D.Sudhagar	An Autimated Water Tank Management System	International Research Journal of Modernization. in Engineering, Technology and Science
52	IT	Dr.D.Sudhagar	Glaucoma Detection using Hybrid Deep Learning	International Research Journal of Modernization. in Engineering, Technology and Science
53	IT	Dr.D.Sudhagar	Pneumonia Detection using Deep Learning	International Research Journal of Modernization. in Engineering, Technology and Science
54	IT	Dr.D.Sudhagar	AI-Driven Platform for Missing Person Identification	International Research Journal of Modernization. in Engineering, Technology and Science
55	IT	Mr.K.Arun Prasad	Deep Autoencoder-Based Anomaly Detection for Intelligent Network Slice Monitoring in B5G Networks	IRO Journals Journal of Artificial Intelligence and Capsule Networks
56	IT	Pushpavalli K	Detection of DDOS Attacks using Ensemble and Probabilistic Classifiers	IRO Journals Journal of Information Technology and Digital World
57	IT	Kumar Parop Gopal	A hybrid multi-constraint lagrangian relaxation based aggregated cost based segment routing in qos aware software defined networks	Vietnam Journal of Science and Technology
58	IT	Mr.K.ARUN PRASAD	Deep Autoencoder-Based Anomaly Detection for Intelligent Network Slice Monitoring in B5G Networks	IRO Journals Journal of Artificial Intelligence and Capsule Networks
59	IT	Dr.D.Sudhagar	Transfer Learning with Adam Gold Rush Optimization for Endometrial Disease Classification Using Histopathological Image	Microscopy Research and Technique
60	IT	Dr.K.Sundaramoorthy	Kernal PCA with ElmanNet for cellular network traffic prediction and security enhancement using blockchain Radio access network	Expert Systems with Applications
61	IT	Mr.K.ARUN PRASAD	IOT based automatic road condition	ICCICN-2025, EASWARI ENGINNERING COLLEGE
62	IT	Mr.K.ARUN PRASAD	Innovative Flood Risk Assessment Integrating (LSTM) Network for Rainfall Prediction and Image - Based Damage Analysis	5th International Conference on Artificial Intelligence, 6G Communications and Network Technologies (ICA6NT 2025)
63	IT	S. Jeevitha	Enhancing the Prediction Accuracy of Brain Tumor Detection by using Fuzzy C-Means Segmentation and Support Vector Machine	2024 International Conference on IoT Based Control Networks and Intelligent Systems (ICICNIS)
64	IT	Dr.D.Sudhagar	ABATE: Blockchain-Enhanced Secure Deduplication of Textual Data Using RSA in Cloud Environments	15th International Conference on Science & Innovative Engineering 2025
65	IT	Dr.D.Sudhagar	Watch Party Movie Streaming using AWS Cloud Services	5th International Cnference on Artificial Inteligence, 6G Communications and Network Technologies (ICA6NT'25)
66	IT	Dr.D.Sudhagar	HCV -Insight: Data-Driven Hepatitis Prediction Using Machine Learning	6th International Conference on Computational Intelligence and Communication Networks (ICCICN-2025)
67	IT	Ms.S.Jerina Begum	Proactive Network Security	International Conference On Computer Science And Communication Engineering. (ICCSCE-2025)
68	IT	Ms.S.Jerina Begum	AI Driven Cognitive Health Monitoring System	6th International Conference on Computational Intelligence and Communication Networks (ICCICN-2025)
69	IT	Mr.K. Veeramuthu	Proactive Network Security	International Conference On Computer Science And Communication Engineering. (ICCSCE-2025)
70	IT	Pushpavalli K	Secure voting system	International Conference On Computer Science And Communication Engineering. (ICCSCE-2025)
71	IT	Pushpavalli K	Real time traffic signal and route optimizaation	International Conference On Computer Science And Communication Engineering. (ICCSCE-2025)
72	IT	Pushpavalli K	Detection of DDOS Attacks using Ensemble and Probabilistic Classifiers	5th International Conference on Artificial Intelligence, 6G Communications and Network Technologies (ICA6NT 2025)
73	IT	Pushpavalli K	Safe Space : Proactive Women Safety with ML-Enhanced CCTV Monitoring	5th IEEE INTERNATIONAL CONFERENCE ON COMPUTING AND COMMUNICATION TECHNOLOGIES (ICCCT'25)
74	IT	Kumar Parop Gopal	Proxy Re-Encryption Approach For Secure Data Sharing Using Blockchain	International Research Journal of Modernization in Engineering Technology and Science
75	IT	Kumar Parop Gopal	Smart Visitant Access	International Research Journal of Modernization in Engineering Technology and Science
76	AIML	Dr. D. Parameswari	Hybrid Model for Churn Prediction with Explainable AI	5th International Conference on Artificial Intelligence, 6G Communications and Network Technologies (ICA6NT-2025)
77	AIML	Dr. D. Parameswari	Analysis and Prediction of Radiation in Photovoltaic Systems using Machine Learning	ICMRACC 2025 IEEE Conference (Scopus indexed)
78	AIML	Ms. S. Vinitha	Big Data Solutions for Predictive Healthcare Analytics: Enhancing Patient Outcomes and Operational Efficiency	2025 International Conference on Automation and Computation (AUTOCOM)
79	AIML	Ms. S. Vinitha	AI - Powered Recommendation System for Cosmetic Products	5th International Conference on Artificial Intelligence, 6G Communications and Network Technologies (ICA6NT-2025)

80	AIML	Dr. D. Parameswari, Ms. S. Vinitha	Neuromorphic Computing: Mimicking the Human Brain with Machine Learning	2nd International Conference on Computing and Data Science (ICCDs-2025)
81	AIML	Dr. D. Parameswari	Improved Convolutional Neural Network for Garbage Separation	International Conference for Emerging Technology (INCET)
82	AIML	Dr. D. Parameswari	Machine Learning and Security Fake Email Detection and Intrusion Detection	International Conference for Emerging Technology (INCET)
83	AIML	Dr. D. Parameswari	Enhancing Epileptic Secure prediction through Block chain and Deep Learning: A collaborative Approach for Improved Healthcare	International Journal of Medico,-Legal
84	AIML	Dr. D. Parameswari	The Development of Blockchain Technology with the Internet of Things: Transforming the Way We Manage Assets, Communicate Securely Online and the Supply Chain	IEEE Xplore - International Conference on Emerging Technologies and Innovation for Sustainability (EmergIN)
85	AIML	Ms. S. Vinitha	Arcore Measure APP	International Conference on Information Technology Enablers for Persons with Disability (INTEND 2.0)
86	AIML	Dr. D. Parameswari	Detection and Classification of Faults in a Power System with Inverter Penetration Based on a Real-Time Machine Learning Application	Fourth International Conference on Smart Technologies, Communication and Robotics (STCR)
87	AIML	Dr. D. Parameswari	Comparison of Machine Learning Methods for Fraudulent Transaction Classification	6th International Conference for Emerging Technology (INCET)
88	AIML	Dr. D. Parameswari	Advancing Workforce Development: AI-Driven Personalized Virtual Job Training with IoT Integration and SVM-Based User Profiling	11th International Conference on Communication and Signal Processing (ICCSPP)
89	EEE	V. Jamuna, S. Sivajothi Kavitha, D. Usha, T. Dhanalakshmi, S. Divya Lakshmi	AI Based Solid Waste Management Using SORTBOT	International Research Journal on Advanced Engineering Hub
90	EEE	S. Satish Kumar, V. Pramila, S. Rudhra, S. Vinod, D. Lakshmi	Enhancing demand response and energy management in multi-microgrid systems with renewable energy sources	Renewable Energy (Elsevier)
91	EEE	Prabhu S., Vinod S., Rudhra S., Balaji M.	Green evaluation of lithium iron phosphate batteries: Environmental consequences of electrochemical, thermal, and aging factors	International Journal of Environmental Sciences
92	EEE	Jamuna V, Dhanalakshmi T, Chandrasekar R, Santhosh K	Regenerative Braking On BLDC Motor For Electric Vehicles	5th Int. Conf. on Artificial Intelligence, 6G Comm & Network Technologies - ICA6NT 2025, Velammal Institute of Technology
93	EEE	Jamuna V, Divya Lakshmi S, Kishore Kumar S, Paramasivam A	AI Based Solid Waste Management Using Sortbot	5th Int. Conf. on Artificial Intelligence, 6G Comm & Network Technologies - ICA6NT 2025, Velammal Institute of Technology
94	EEE	Jamuna V, Rajasekar Kanniappan	Leveraging Fine-Tuned Light GBM for Advanced AI-Driven Android Malware Detection	Int. Conf. on Advancements in Electrical Electronics Communication Computing and Automation, ICAECA, Kumaraguru College
95	EEE	S. Vinod, S. Rudhra, M. Balaji, L. Kurinjimalar	Investigation of space vector controlled multi-level induction motor drive for electric vehicle application	2024 International Conference on Power, Energy, Control
96	EEE	Vinod S, Rudhra S, Balaji M, Arul Prakash J	AI-Based Detection of Smartphone Usage in Classroom Environments	2025 11th International Conference on Electrical Energy Systems (ICEES), IEEE
97	EEE	Rudhra S, Vinod S, Balaji M, Arul Prakash J	IoT Enabled Real-Time Battery Temperature Monitoring System for Electric Vehicles	2025 11th International Conference on Electrical Energy Systems (ICEES), IEEE
98	EEE	Booma N, Venmathi M, Anbarasan	Analysis of seven level Asymmetric Inverter with cascaded H bridge configuration	second International conference on Artificial Intelligence and knowledge discovery in concurrent Engineering (ICECONF 2025), St Josephs Inst of Technology, Chennai
99	cs	Lilly Sheeba S	Post Pandemic Cyber Security Threats	2nd International Conference on Data Analytics and Intelligence Computing'25,
100	cs	Lilly Sheeba S	Smart Trash Tracker using IOT	2nd International Conference on Data Analytics and Intelligence Computing'25,
101	cs	Faritha Begum M	Network traffic with Scapy	15th International Conference on Science and innovative Engineering
102	cs	Faritha Begum M	A lightweight rule based framework for detecting phishing URLs with risk evaluation	15th International Conference on Science and innovative Engineering
103	cs	Lilly Sheeba S	VisualSurg: Enhancing Patient Comprehension of Surgical Procedures through an interactive Web-Based Platform	15th International Conference on Science and innovative Engineering
104	cs	Faritha Begum M	Cloud Resource Monitor	15th International Conference on Science and innovative Engineering
105	cs	Sangeetha N	Wifi Safety Detection and Alert System	15th International Conference on Science and innovative Engineering
106	cs	Rachel Evelyn R	Malicious URL Scanner with Sandbox View	15th International Conference on Science and innovative Engineering
107	cs	Preethi Parameswari S	Data Exfiltration Detection System	15th International Conference on Science and innovative Engineering

108	cs	Sandhiyaa S	Cms Vulnerability Scanner	15th International Conference on Science and innovative Engineering
109	cs	Sangeetha N	Data Breach Monitoring System	15th International Conference on Science and innovative Engineering
110	cs	Lilly Sheeba S	Enhanced Heterogeneous Vehicular Networks With Intelligent Congestion Avoidance Mechanism via Regularized Q-Value-Based Graph Generalized Neural Network Transformer	International Journal of Communication Systems, pp. 1-18
111	cs	Lilly Sheeba S Faritha Begum M Preethi Parameswari S Rachel Evelyn R Sangeetha N Sandhiyaa S	Integrating Clinical Markers and Machine Learning for Accurate Prediction of Neonatal Sepsis	Journal of Neonatal Surgery, Vol. 14(16s), pp. 237-244
112	cs	Lilly Sheeba S Rachel Evelyn R Faritha Begum M Preethi Parameswari S Sandhiyaa S Sangeetha N	Early Diagnosis of Neonatal Sepsis Through Predictive Analytics and Feature Selection Techniques	Journal of Neonatal Surgery, Vol. 14(16s), pp. 251-257
113	AI & DS	M.Preetha	Advanced Umbrella Rental Systems for Urban Counters	International Conference-Neural Evolution and Adaptive Intelligence-2025(ICNEAI-2025)
114	AI & DS	Dr.M.S.Jayalakshmi	IOT Based Sustainable Smart city Lighting and Data Transmission Through Integration of Solar powered LED Street Lights With VLC Technology	Journal of Optics
115	AI & DS	Dr. M. S. Jeyalakshmi	SECURE Sight Glasses: AI-Enabled Smart Eyewear for Threat Detection.	International Conference on Information Technology Enablers for Persons with Disability (INTEND 2.0)
116	AI & DS	Ms. J. Sahaya Brainy	Blind-Friendly Transportation Application with Voice Assistance	International Conference on Information Technology Enablers for Persons with Disability (INTEND 2.0)
117	AI & DS	Ms. M. Preetha	Smart Goggles with AI Integration for Navigation, Recognition, and Daily Assistance of Visually Challenged Users.”	International Conference on Information Technology Enablers for Persons with Disability (INTEND 2.0)
118	AI & DS	Ms. I. Anicham	Assistive Smart Cane: Object Recognition and Audio Feedback.	International Conference on Information Technology Enablers for Persons with Disability (INTEND 2.0)
119	AI & DS	Ms. S. Sangeetha	Smart AI Shoe for Blind People	International Conference on Information Technology Enablers for Persons with Disability (INTEND 2.0)
120	AI & DS	Ms. R. Ranjitha	Sonic Mind Interfaces: AI-Driven Neuroacoustic Modulation via Edge Acoustic Computing.	International Conference on Information Technology Enablers for Persons with Disability (INTEND 2.0)
121	ECE	Krishnareddy ,G.Merlin Sheeba	Optimized Deep Multi-Scale Three Dimensional Convolutional Neural Network-Dependent Channel Estimation in 5G MIMO-OFDM Systems	IETE Journal of Research
122	ECE	KolliVenkat Rao,G.Merlin Sheeba	Enhancement of Bandwidth in 5G Applications using Micro Strip Patch Antenna	Journal of Information Systems Engineering and Management
123	ECE	T.Tamilselvi,Dr.V.Rajendran,G.T.Bharathy	Deep Learning Cooperative Spectrum Detection for Cognitive Radio	Advances in non-linear variational Inequalities
124	ECE	Sheeja V Francis, G. Merlin Sheeba, R. Malathy, B. Mahalakshmi, P. Priyadharshini, and M.A. Priyanka	Emergencies and Caregiver Communication using a Brain-Computer Interfacing Framework	AIP Conference Proceedings
125	ECE	G. T. Bharathy; S. A. Saranya; T. Tamilselvi; S. Bhavanisankari	Efficient directional coupler for RF application using microstrip lines	AIP Conference Proceedings
126	ECE	T. Tamilselvi; G. T. Bharathy; S. A. Saranya	IoT based smart agricultural monitoring system	AIP Conference Proceedings
127	ECE	Aravind S Arun M Balasurya M Balaji S Sheeja V Francis	Weather forecasting and marshland Ecosystem monitoring using IoT and machine learning	International Conference on Innovation of Materials, Science and Engineering Technology (ICIMSET - 2025)
128	ECE	Dinakaran N,Shyam E, Sri Sarathy R, Sheeja V Francis	Automatic Smart seed sowing Robots	5 th International Conference on Artificial Intelligence, 6G Communications and Network Technologies ICA6NT 2025
129	ECE	Venkat Koli, G. Merlin Sheeba	Bandwidth Enhancement of Micro Strip Patch Antenna to UWB Range for Wireless Applications	Springer Lecture Notes Advances in Micro-Electronics, Embedded Systems and IoT
130	ECE	Ashraf,Mohan, Buelah, Merlin Sheeba G,	An IOT Enabled Service Robot for Elderly	5 th International Conference on Artificial Intelligence, 6G Communications and Network Technologies ICA6NT 2025
131	ECE	Deepak,Krithi Mohan,Vishal, Merlin Sheeba G,	IoT based Smart Automated Level Crossing System	5 th International Conference on Artificial Intelligence, 6G Communications and Network Technologies ICA6NT 2025
132	ECE	Santhosh Kumar K, Saranya D, Sunil N , Bhavanisankari S	Implementing NFC Technology for Patient monitoring	International Conference on Innovation of Materials, Science and Engineering Technology (ICIMSET - 2025)

133	ECE	Kaarthick K ,Nithish Roy F,Sriniketh S, Bhavanisankari S	Enhancing Hearing with LSTM Based Denoising Autoencoders: A Low Latency FPGA Solution	International Conference on Innovation of Materials, Science and Engineering Technology (ICIMSET - 2025)
134	ECE	Suvetha Bharathi S, Christin Jessica, Dharani K, Bharathy.G.T	Hydro Sense: A sensor-Integrated Automated Hydropneumatic System	The International Conference on Innovation in Materials, Science, and Engineering Technology (ICIMSET-2025), ISBN - 9789334193176
135	ECE	Anu Shankari S, Bharathy.G.T	Advanced Discrete and Microstrip Couplers for 5G Applications	The International Conference on Innovation in Materials, Science, and Engineering Technology (ICIMSET-2025), ISBN - 9789334193176
136	ECE	G. T. Bharathy ; K. Kavitha; R. Divya; J. Akalya; G. S. Neeranjana	Coal mining safety supervision and notifying system	AIP Conference Proceedings
137	ECE	T.Tamilselvi, G.T.Bharathy, Abinaya S, Kamesh M	Evaluation of Energy-Efficient Design Strategies for Devices Based on GNR/FET, CNTFET and FINFET Technologies”	National Convention of Production Engineers and National Seminar on “Recent Advancements and Challenges on the Fabrication of Semiconductor Chips in India”
138	ECE	Raja Saranya K, Makesh Kumar S, Mathew Hyden A, Sabharish Raaja PM	Correlation of Landslide and Cloud burst	International Conference on Innovation of Materials, Science and Engineering Technology (ICIMSET - 2025)
139	ECE	Gopikrishnan M, Kingson Thangaraj B, Chandramohan C, Raja Saranya K	Bus Detection Announcing System for Blind People using Rfid	5 th International Conference on Artificial Intelligence, 6G Communications and Network Technologies ICA6NT 2025
140	ECE	. S.A.Saranya, Sailesh & Chrisilda	Night Patrolling Drone	5 th International Conference on Artificial Intelligence, 6G Communications and Network Technologies ICA6NT 2025
141	ECE	S.A.Saranya, Murali, Prathish & Tamilselvan	Wireless charging System for E-Vehicle	5 th International Conference on Artificial Intelligence, 6G Communications and Network Technologies ICA6NT 2025
142	ECE	S.A.Saranya, Dr.Sheeja V Francis, Mughil, Krithika, Swetha	Design of Ternary Combinational Logic Circuits Using Tri-Valued Memristors	National Convention of Production Engineers and National Seminar on “Recent Advancements and Challenges on the Fabrication of Semiconductor Chips in India”

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