

**K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE - 637 215****(Autonomous)****LIST OF RESEARCH ARTICLES PUBLISHED IN CONFERENCES****Calendar year - 2025**

<b>S.No</b>	<b>Name of the Faculty</b>	<b>Title of the paper</b>	<b>Title of the proceedings of the conference</b>	<b>ISBN/ISSN number of the proceeding</b>
1	Vijayan, R.; Subramaniam, S.; Ashok Kumar, R.; Venkatraman, J.; Chandramohan, V.; Vivek, U.	Enhancing Mechanical and Viscoelastic Properties of Natural Fibre Reinforced Polymer Composites with Aluminium Oxide Nano Fillers	2025 International Conference on Sustainable Development in Advanced Materials, Manufacturing, and Industry 4.0, INSDAM 2025	21016275
2	Ashokkumar, R.; Ganesh Babu, L.; Magesh Babu, D.; Sellamuthu, P.; Sivaraman, G.; Karthikeyan, R.	Enhancing Renewable Energy Penetration with Combined Heat and Power Units and Cryogenic Energy Storage	2025 International Conference on Civil, Environmental and Applied Sciences, ICCEAS 2025	25550403
3	Gopalakrishnan, K.; Sanjeev Kumar, M.; Navethitha, A.A.; Vasanthakumar, S.	Investigation on the Mechanical Behavior of Salt Water Immersed Hemp Fibre Reinforced Bio-Composites	2025 International Conference on Civil, Environmental and Applied Sciences, ICCEAS 2025	25550403
4	Kamaraj, L.; Prabu, M.; Subbaiah, S.; Ramarao, M.; Srinivas, N.; Abbas, H.M.; Chandramauli, A.; Kumar, S.	Particle swarm optimization and statistical evaluation of mechanical characteristics in bamboo fiber-polyester composites for sustainable applications reinforced with peanut shell and termite mound soil	16th International Conference on Materials Processing and Characterization, ICMPC 2024	0094243X

5	Kamaraj, L.; Saravanan, P.; Ram, L.; Kannan, S.; Pinjari, M.; Hussayn, R.; Thakur, G.; Verma, V.	Enhancing mechanical and thermal properties of banana fiber-reinforced polyethylene composites for sustainable applications: An in-situ sol-gel process optimization study	16th International Conference on Materials Processing and Characterization, ICMPC 2024	0094243X
6	Kamaraj, L.; Ashokkumar, R.; Ram, L.; Vairamuthu, J.; Reddy, M.R.S.S.; Ajzan, Z.; Balmiki, V.; Verma, V.	Study on mechanical properties and biodegradability of polyethylene composite reinforced with corn husk fibers for sustainable applications	16th International Conference on Materials Processing and Characterization, ICMPC 2024	0094243X
7	LeoNila, T.; Ramakrishnan, N.; Thanikasalam, A.; Subbu, S.; Bhattaru, S.; Ihsan, M.; Singh, D.; Verma, V.	A comprehensive analysis of mechanical improvements in hemp fiber reinforced polymer composite	16th International Conference on Materials Processing and Characterization, ICMPC 2024	0094243X
8	Karthikeyan, S.; Ganesan, S.; Suresh, A.; Muruganandhan, P.; Eanest Jebasingh, B.E.; Manogar, K.	Impact of E glass fiber on functional properties of low density polyethyle composite made via compression mold	2024 International Conference on Innovations in Thermal, Manufacturing, Structural, and Environmental Engineering, ICITMSEE 2024	0094243X
9	Murali, J.G.; Marimuthu, S.; Palanivelu, P.; Prakash, P.; Gobinath, G.V.; Karthikeyan, S.	Influences of silicon carbide particles on tensile performance and hardness behavior of polyethylene composites made via injection mold	2024 International Conference on Innovations in Thermal, Manufacturing, Structural, and Environmental Engineering, ICITMSEE 2024	0094243X

10	Marimuthu, S.; Ashokkumar, R.; Karthick, S.; Karthikeyan, A.; Karthikeyan, S.; Gunasekaran, R.	Synthetic fiber featured epoxy composite for light weight application: Performance measures	2024 International Conference on Innovations in Thermal, Manufacturing, Structural, and Environmental Engineering, ICITMSEE 2024	0094243X
11	Karthikeyan, S.; Jagadheeswari, A.S.; Murali, J.G.; Kaliannan, G.; Marimuthu, S.; Kalaiarasan, S.	Hot compression actions on functional behavior of polyester composite configured with basalt fiber	2024 International Conference on Innovations in Thermal, Manufacturing, Structural, and Environmental Engineering, ICITMSEE 2024	0094243X
12	Saravanakumar, A.; Murali, J.G.; Kuila, A.; Karthikeyan, S.; Ganesan, S.; Gowrishankar, A.	Biodegradable bast fiber made polypropylene composite via hot compression: Characteristics study	2024 International Conference on Innovations in Thermal, Manufacturing, Structural, and Environmental Engineering, ICITMSEE 2024	0094243X
13	Arunraja, K.M.; Prabu, M.; Karthikeyan, S.; Ganesan, S.; Gowrishankar, A.; Muruganandhan, B.P.	Influences of jute fiber and alumina nanoparticles on behaviour of polyester composite synthesized via hand layup route	2024 International Conference on Innovations in Thermal, Manufacturing, Structural, and Environmental Engineering, ICITMSEE 2024	0094243X
14	Prabu, M.; Kumar, R.D.; Ganesan, S.; Gowrishankar, A.; Karthikeyan, S.; Eanest Jebasingh, B.E.	Featuring of boron nitride on high density polyethylene/sisal fiber composite: Characteristics evaluation	2024 International Conference on Innovations in Thermal, Manufacturing, Structural, and Environmental Engineering, ICITMSEE 2024	0094243X

15	Karthikeyan, S.; Karthick, M.; Munipalli, M.; Sankar, N.; Suriyaprakash, L.; Prabu, M.	Effect of Roselle Fiber on Physical and Thermal Behaviour of Polypropylene Nanocomposite Developed by Conventional Route	2023 International Conference on Application of Artificial Intelligence for Renewable Energy Sources and Environmental Sustainability, ICCAIRE 2023	0094243X
16	Elango, K.S.; Saravanakumar, R.; Vivek, D.; Yuvaraj, S.; Prasanthni, P.	A Critical Review of Fresh, Hardened and Durability Properties of 3D Printing Concrete	2nd International Conference on Emerging Applications of Material Science and Technology, ICEAMST 2024	25228714
17	Reddy, A.R.S.; Rao, P.P.; Gopinath, V.; Tikhe, K.; Ajai Kumar, E.; Thangadurai, N.	Integrating UAV and IoT Technologies for Precision Agriculture: Efficient Seed Dropping, Fertilization, and Pest Control	2025 IEEE International Conference on Information, Implementation, and Innovation in Technology, I2ITCON 2025	9798331534820
18	Sowmitha, V.; Deebika, R.; Vinoth, K.; Suryaprakash, S.; Kalaivendhan, K.; Karthi, V.	Federated Learning in Email Server Authentication for Spam Mail Detection Using LSTM Algorithm	2025 International Conference on Smart and Sustainable Technology, INCSST 2025	9798331541927
19	Loganathan, E.; Balasubramani, A.S.; Anitha, P.; Geetha, R.; Kanimozhi, J.K.; Kalyanasundaram, P.	Real-Time Speech Emotions Detection with Enhanced Accuracy Using CNN	4th IEEE World Conference on Applied Intelligence and Computing, AIC 2025	9798331526139

20	Jayaraman, T.; Rajkumar, P.; Shakunthala, M.; Madhaiyan, M.; Vimal Kumar, M.N.; Hemavijayarajar, N.	Eco-Friendly IoT-based Smart Toy Automation for Interactive Learning and Engagement	6th International Conference on Electronics and Sustainable Communication Systems, ICESC 2025	9798331555030
21	Ramesh, S.M.; Gurusamy, R.; Menaka, S.R.; Mohanasundaram, S.; Sukumar, P.; Rajendran, R.	CNN-Faiss Pipeline for High Performance Animal Vocalization Retrieval and Classification	6th International Conference on Electronics and Sustainable Communication Systems, ICESC 2025	9798331555030
22	Aarthi, K.; Thirumoorthy, P.; Tamizarasu, K.; Manoja, R.; Kalyanasundaram, P.; Rajasekar, M.	Improved Network lifetime using Cluster based Power-Aware Balanced Routing Protocol for Device to Device Communication	6th International Conference on Electronics and Sustainable Communication Systems, ICESC 2025	9798331555030
23	T, T.; Vilasini, K.A.; Madavi, A.V.; Dineshkumar, S.; Ahlawat, A.; Charles Babu, G.C.	Predicting Compressive Strength of Sustainable Concrete Using Hybrid AI and Optimization Techniques	2025 World Skills Conference on Universal Data Analytics and Sciences, WorldSUAS 2025	9798331539252
24	Geetha, R.; Santhosh, M.K.; Kalyanasundaram, P.; Anitha, P.; Kanimozhi, J.K.; Loganathan, E.	Cross-Domain Transfer Learning Techniques for Power Consumption Forecasting	4th International Conference on Innovative Mechanisms for Industry Applications, ICIMIA 2025	9798331553869

25	Geetha, R.; Sivashalini, C.; Prakash, N.; Yoganathan, A.; Kalyanasundaram, P.; Anitha, P.	CNN-Transformer based Deep Learning for Spatio-Temporal Pattern Extraction	4th International Conference on Innovative Mechanisms for Industry Applications, ICIMIA 2025	9798331553869
26	Geetha, R.; Sariga, V.; Yoganathan, A.; Anitha, P.; Kalyanasundaram, P.; Kanimozhi, J.K.	Designing Frameworks for Integrating Spatio- Temporal Correlation for Efficient Pattern Extraction	4th International Conference on Innovative Mechanisms for Industry Applications, ICIMIA 2025	9798331553869
27	Anitha, P.; Venkatesh, B.; Geetha, R.; Kanimozhi, J.K.; Loganathan, E.; Kandasamy, C.A.	Strategies for Soil Carbon Sequestration in Agricultural Landscapes	4th International Conference on Innovative Mechanisms for Industry Applications, ICIMIA 2025	9798331553869
28	Prakash, N.; Rajasekaran, K.; Yoganathan, A.; Kalyanasundaram, P.; Anitha, P.; Geetha, R.	Enhanced Financial Forecasting and Budgeting Accuracy with Advanced AI Algorithms	4th International Conference on Innovative Mechanisms for Industry Applications, ICIMIA 2025	9798331553869
29	Geetha, R.; Rubeshkanna, R.S.; Yoganathan, A.; Anitha, P.; Kalyanasundaram, P.; Kanimozli, J.K.	A Spatiotemporal Transfer Learning Frameworks with Mixture of Experts for Traffic Flow Predictions	4th International Conference on Innovative Mechanisms for Industry Applications, ICIMIA 2025	9798331553869
30	Prakash, N.; Kumar, P.B.; Anitha, P.; Geetha, R.; Kanimozhi, J.K.; Loganathan, E.	AI Driven Shortest Path Optimization in Tourist Applications using Dijkstra's Algorithm	4th International Conference on Innovative Mechanisms for Industry Applications, ICIMIA 2025	9798331553869

31	Soby, D.; Balaji, C.; Baskar, B.; Thangaraj, K.; Kumar, S.S.; Sivaranjani, C.	IoT-Driven Precision Agriculture: Real-Time Soil Health and Irrigation Monitoring using Low-Power Wireless Sensor Networks	4th International Conference on Innovative Mechanisms for Industry Applications, ICIMIA 2025	9798331553869
32	Sukumar, P.; Ramesh, S.M.; Gurusamy, R.; Menaka, S.R.; Mohanasundaram, S.; Kalyanasundaram, P.	A Precision BMI Monitoring System with Real-Time Alerts using SHAP and XGBoost based Interpretability	4th International Conference on Innovative Mechanisms for Industry Applications, ICIMIA 2025	9798331553869
33	Geetha, R.; Rohith, A.; Kanimozhi, J.K.; Yoganathan, A.; Kandasamy, C.A.; Kalyanasundaram, P.	Blockchain-Integrated Data Mining for Enhanced Security and Transparency	4th International Conference on Innovative Mechanisms for Industry Applications, ICIMIA 2025	9798331553869
34	Menaka, S.R.; Kamali, R.; Hariesh, R.; Vengatesh, K.	Enhancing Accuracy in Real-Time Object Detection Using YOLOv12 Model with Transformer-Based Attention Mechanisms	2025 International Conference on Next Generation Computing Systems, ICNGCS 2025	9798331591168
35	Prakash, N.; Devi, G.R.; Kanimozhi, J.K.; Loganathan, E.; Kandasamy, C.A.; Yoganathan, A.	Accurate Prediction Stock Market Trends using BERT	4th International Conference on Innovative Mechanisms for Industry Applications, ICIMIA 2025	9798331553869

36	Yoganathan, A.; Dinesh, D.; Geetha, R.; Prakash, N.; Kalyanasundaram, P.; Kandasamy, C.A.	Accuracy Detection and Severity Classification of Bone Fracture Using CNN	9th International Conference on Inventive Systems and Control, ICISC 2025	9798331512477
37	Geetha, R.; Arunika, S.; Kanimozhi J, K.; Loganathan, E.; Kandasamy C, A.; Prakash, N.	Enhanced Accuracy in Mining Spatiotemporal Sequential Patterns Using Mapreduce	9th International Conference on Inventive Systems and Control, ICISC 2025	9798331512477
38	Kanimozhi, J.K.; Kaviyarasu, T.; Geetha, R.; Loganathan, E.; Kandhasamy, C.A.; Prakash, N.	Deep Learning Models for Predicting Public Transport Delays	2025 International Conference on Computing Technologies and Data Communication, ICCTDC 2025	
39	Srihari, T.; Murugesan, A.; Kumar, N.; Eswaran, T.; Lakshmi, T.V.H.; Shivaram, K.T.	Defect Detection in Electronics Manufacturing via Deep Learning-Based Visual Inspection	2025 International Conference on Computing Technologies and Data Communication, ICCTDC 2025	9798331527983
40	Kanimozhi, J.K.; Kalasurya, G.; Anitha, P.; Geetha, R.; Loganathan, E.; Kandasamy, C.A.	Comparing SVM and KNN Algorithm for High Accuracy in Brain Tumor Prediction	2025 International Conference on Computing Technologies and Data Communication, ICCTDC 2025	9798331527983
41	Shet, A.R.; Prajna, K.B.; Dhal, J.P.; Krishna, B.H.; Senthil Kumar, D.; Hemalatha, S.	Integrating CNN-LSTM and Physical Models for Predicting Climate Extremes	3rd International Conference on Sustainable Computing and Data Communication Systems, ICSCDS 2025	9798331512507

42	Kandasamy, C.A.; Gunasekaran, S.; Geetha, R.; Kanimozhi, J.K.; Loganathan, E.; Prakash, N.	AI-Powered Carbon Emission Prediction: A Deep Drive into LSTM Modeling	5th International Conference on Soft Computing for Security Applications, ICSCSA 2025	9798331594916
43	Kanimozhi, J.K.; Jagathishkumar, S.; Prakashn, N.; Loganathan, E.; Kandasamy, C.A.; Yoganathan, A.	AI-Based Multimodal Mental Health Monitoring for Stress Detection in Students	5th International Conference on Soft Computing for Security Applications, ICSCSA 2025	9798331594916
44	Loganathan, E.; Naveen, S.; Yoganathan, A.; Kalyanasundaram, P.; Anitha, P.; Geetha, R.	A Comprehensive Review of Artificial Intelligence Approaches for Climate Change Prediction using Remote Sensing Data	3rd International Conference on Sustainable Computing and Data Communication Systems, ICSCDS 2025	9798331512507
45	Kumaravel, T.; Manikandan, K.; Palanisamy, P.; Krishna, K.R.N.; Monish, M.M.; Karthik, S.	Optimizing Hyperparameters with Pelican Algorithm for Deep Learning-based Oral Cancer Detection	5th International Conference on Soft Computing for Security Applications, ICSCSA 2025	9798331594916
46	Loganathan, E.; Nagenthiran, M.; Kandasamy, C.A.; Prakash, N.; Yoganathan, A.; Venkatesan, M.	Machine Learning vs Deep Learning: Using LightGBM and LSTM to Increase the Accuracy of Stock Market Predictions	3rd International Conference on Sustainable Computing and Data Communication Systems, ICSCDS 2025	9798331512507
47	Loganathan, E.; Mathankumar, T.; Kalyanasundaram, P.; Anitha, P.; Geetha, R.; Kanimozhi, J.K.	Evaluating Text Mining and Classification Algorithms for Spam Detection	3rd International Conference on Sustainable Computing and Data Communication Systems, ICSCDS 2025	9798331512507

48	Geetha, R.; Sanmathi, S.; Loganathan, E.; Kandasamy, C.A.; Prakash, N.; Yoganathan, A.	A Weather Trajectory Prediction Model based on Multi-Modal and Multitask Learning	3rd International Conference on Sustainable Computing and Data Communication Systems, ICSCDS 2025	9798331512507
49	Kanimozhi, J.K.; Bavya, G.; Kalyanasundaram, P.; Anitha, P.; Geetha, R.; Loganathan, E.	Evaluating the Effectiveness of Random Forest + XGBoost versus Support Vector Machines in Achieving High Accuracy and Precision for Breast Cancer Classification	5th International Conference on Soft Computing for Security Applications, ICSCSA 2025	9798331594916
50	Kanimozhi, J.K.; Logesh, T.; Prakash, N.; Yoganathan, A.; Kandasamy, C.A.; Loganathan, E.	IoT-Enabled Air Purifiers with Real-Time Quality Monitoring	5th International Conference on Soft Computing for Security Applications, ICSCSA 2025	9798331594916
51	Kanimozhi, J.K.; Libin, V.; Yoganathan, A.; Kalyanasundaram, P.; Anitha, P.; Geetha, R.	Improving Fraud Detection Accuracy in Mobile Payment Systems	5th International Conference on Soft Computing for Security Applications, ICSCSA 2025	9798331594916
52	Sowmiya, R.; Revathi, P.; Rathinam, P.S.; Dhavamani, S.; Gowrisanker, M.; Kalaivani, T.	Integrated Ensemble Framework for using Strain Gauges and Accelerometers to Monitor Building Stability in Real Time	8th International Conference on Computing Methodologies and Communication, ICCMC 2025	9798331512118
53	Kumar, S.S.; Vasanthi, S.; Balakrishnan, P.; Gowtham, S.; Kumar, S.S.; Thangavel, Y.	A Secure and Scalable IoT Architecture for Smart Energy Monitoring in Urban Infrastructure	8th International Conference on Computing Methodologies and Communication, ICCMC 2025	9798331512118

54	Kumar, S.S.; Balamurugan, P.; Murthy, S.E.; Hariprasath, S.; Kumar, S.S.; Jayaraman, T.	Design and Implementation of a Bidirectional Fast Charging Station for Electric Vehicles using Grid-Tied Power Converters	8th International Conference on Computing Methodologies and Communication, ICCMC 2025	9798331512118
55	Kandasamy, C.A.; Gowtham, M.; Prakash, N.; Yoganathan, A.; Yenkatesan, M.	CNN-Based Detection and Classification for Real-Time Crop Monitoring	6th IEEE International Conference for Emerging Technology, INCET 2025	9798331531034
56	Sathish Kumar, T.M.; Usha, P.; Giri Velavan, N.; Kabilan, R.; Meithiru Prakash, B.; Karthikeyan, E.	Low-Power Wearable Cardiopulmonary Monitoring Device with Seamless Dual-Network Connectivity for Real-Time Health Monitoring	6th IEEE International Conference for Emerging Technology, INCET 2025	9798331531034
57	Gurrapu, O.; Rajesh, S.; Jurabek, R.; Parthiban, V.; Rao, T.C.S.; Rajamani, P.S.; Venkata Suman, J.V.; Venkataramanaiah, B.	Design and Implementation of Selective Adaptive Pipeline Structure for Low Power RISC Processor Applications	6th International Conference on Data Intelligence and Cognitive Informatics, ICDICI 2025	9798331503130
58	Anitha, P.; Surya, V.; Geetha, R.; Loganathan, E.; Singaravel, G.; Prakash, N.	High-Accuracy Breast Cancer Classification Utilizing XGBoost and Support Vector Machine	6th International Conference on Data Intelligence and Cognitive Informatics, ICDICI 2025	9798331503130

59	Madhaiyan, M.; Arun, V.; Krishnaraj, V.; Nallakumar, R.; Karthikeyan, G.; Glory Santha Vinothini, A.	Variable Frequency Carrier Based Modulation scheme for Switched Capacitor Based Voltage Gain 9-Level Inverter	2025 International Conference on Computing Technologies, ICOCT 2025	9798331516376
60	Kumar, G.M.; Devi, P.M.; Gokul, S.; Ranjini, M.; Pragadheeshwari, S.; Nandhu, A.	Accurate Fingerprint Recognition and Gender Classification Using Inception V3	2025 International Conference on Computing Technologies, ICOCT 2025	9798331516376
61	Vani, E.; Vasanthi, A.; Kaviya, R.; Gunasekaran, P.; Muralidharan, S.; Bavithra, S.	Improving the Performance of Solar Power Conversion Systems through Luo Converter with Artificial Neural Network	2025 International Conference on Computing Technologies, ICOCT 2025	9798331516376
62	Lakshmi, K.; Vasanthi, A.; Vani, E.; Dhinakar, B.; Kavin, P.; Megavarshini, M.	NextGen Wireless Charging: Renewable Energy Based Multi-port Device Charging with Secured Authentication using IOT	2025 International Conference on Computing Technologies, ICOCT 2025	9798331516376
63	Loganathan, E.; Naveenkumar, M.; Prakash, N.; Yoganathan, A.; Kalyanasundaram, P.; Anitha, P.	Improved Credit Card Fraud Detection utilizing Gradient Boosting Algorithm	2025 International Conference on Computing Technologies, ICOCT 2025	9798331516376
64	Vasanthi, A.; Vani, E.; Lakshmi, K.; Kavinnath, S.; Moumitha, P.; Giri Prasath, R.	An Intelligent Energy Management Strategy for Electric Hybrid Vehicle to Optimize Fuel Consumption	2025 International Conference on Computing Technologies, ICOCT 2025	9798331516376

65	Yuvarani, B.; Yamuna, K.; Aravindh, A.; Dinesh Kumar, S.; Ragavan, N.; Shanthosh Kiran, R.	Shunt Active Power Filter With Intelligent Control Algorithm for Power Quality Enhancement in Electrical Distribution System	2025 International Conference on Computing Technologies, ICOCT 2025	9798331516376
66	Prakash, N.; Nivetha, S.; Loganathan, E.; Kandasamy, C.A.; Yoganathan, A.; Kalyanasundaram, P.	Exploring Heart Axis Classification on PTB-XL ECG Dataset Through Advanced Machine Learning	2025 International Conference on Computing Technologies, ICOCT 2025	9798331516376
67	Anitha, P.; Vasundra, E.; Loganathan, E.; Kandasamy, C.A.; Prakash, N.; Yoganathan, A.	Achieving High Accuracy in Face Recognition: DeepFace Intervention and LBPH Comparison	2025 International Conference on Computing Technologies, ICOCT 2025	9798331516376
68	Kandasamy, C.A.; Indhumathi, K.; Kalyanasundaram, P.; Kanimozli, J.K.; Anitha, P.; Geetha, R.	Enhancing Weed Detection with Convolutional Neural Networks for Precision Farming	2025 International Conference on Computing Technologies, ICOCT 2025	9798331516376
69	Dhivagar, S.; Subramani, M.; Yuvanesh, D.; Boopathi, M.; Akash, K.; Kaviyarasu, S.	HandMatic: Wireless Robotic Arm Control Using Real-Time Gesture Recognition for Seamless Human-Machine Interaction	2025 International Conference on Computing Technologies, ICOCT 2025	9798331516376

70	Jothimani, M.; Rameshkumar, J.; Jeevanantham, R.; Kavinraj, D.; Kumaresan, K.; Manikandan, S.J.	Traffic Control and Accuracy Improvement of Intrusion Detection in Network using XGBoost Algorithm in Comparison with Gradient Boosting Algorithm	2025 International Conference on Computing Technologies, ICOCT 2025	9798331516376
71	Satheeskumar, R.; Suruthi, S.; Nalin Kumar, N.K.; Prem, K.S.; Vaseekaran, N.; Vigneshwaran, M.	Adaptive Rate Limiting for Distributed Denial of Service Mitigation in Software Defined Networks	2025 International Conference on Computing Technologies, ICOCT 2025	9798331516376
72	Kanakarajan, P.; Sivakumar, M.; Surendran, R.; Hariharan, K.; Karthik Raj, K.; Logesh, T.	Efficient Treeline Irrigation System Using Machine Learning Algorithm	2025 International Conference on Emerging Technologies in Engineering Applications, ICETEA 2025	9798331514853
73	Jayanthi, K.; Jeyabharathi, M.; Mohana Sunthari, P.; Saravana Kumar, R.	A Semi-HSCS Ultra-Wideband Hexagonal Patch Antenna for 5G Applications	International Conference on Communication Systems, ICOCS 2023	18761100
74	Sowmitha, V.; Hemalatha, S.; Indumathi, M.; Harina, A.S.; Deebika, R.; Sathya, T.	YOLOv11-based Real-Time Detection of Concealed Weapons in X-Ray Vehicle Scans for Mall Parking Security	7th International Conference on Inventive Material Science and Applications, ICIMA 2025	9798331521516
75	Jeyabharath, R.; Sabat, L.; Manikannan, K.; Shrivastava, A.; Patel, H.; Natrayan, S.	Adaptive Electric Vehicle Charging Scheduling in Smart Grids: A Giant Trevally Optimizer-based Approach for Minimizing Total Costs	7th International Conference on Inventive Material Science and Applications, ICIMA 2025	9798331521516

76	Gowri Shankar, C.; Gowthami, D.; Sivaprakasam, M.; Adhisankar, K.; Nithishkumar, R.; Naveenkumar, P.	Real Time Rail Vehicle Running State Monitoring System using TinyML and IoT	7th International Conference on Inventive Material Science and Applications, ICIMA 2025	9798331521516
77	Veena, V.; Nandini, D.N.; Kasu, S.R.; Panchbhai, A.; Shah, U.; Ramya, R.	Enhancing EV Charging Navigation in Smart Grids with Dynamic Spiking Graph Neural Networks and Kookaburra Optimization Algorithm	7th International Conference on Inventive Material Science and Applications, ICIMA 2025	9798331521516
78	Meenatchi, K.; Veena, V.; Ganesh Prabhu, S.; Niyamathulla, K.; Ranjith, M.S.; Sudesh, S.T.	High Efficiency Monocrystalline Solar Panel for Sustainable Mobile Charging	7th International Conference on Inventive Material Science and Applications, ICIMA 2025	9798331521516
79	Subramaniam, S.; Ravi, V.; Karthikeyan, G.; Madhanraj, R.; Ezhilvannan, E.; Kamatchi Kannan, V.	A Robust and Flexible Linear Regression based Early Fault Detection Method in Photovoltaic Systems	7th International Conference on Inventive Material Science and Applications, ICIMA 2025	9798331521516
80	Muthukumaran, N.; Nandhini, T.; Mohan, P.; Madhubala, S.; Sowmiya, S.; Kumar, V.V.	Enhancing Route Planning Accuracy and Voice Integration with Depth First Search and Real-Time Traffic Data	7th International Conference on Inventive Material Science and Applications, ICIMA 2025	9798331521516

81	Usha, P.; Kumar, T.M.S.; Anukeerthana, T.; Gowre Preya, G.P.; Mahalakshmi, S.; Sangaragomathi, S.	Compact Substrate-Integrated Waveguide (SIW) based MIMO Antenna for Low Loss 5G Sub-Ghz Applications	7th International Conference on Inventive Material Science and Applications, ICIMA 2025	9798331521516
82	Suruthi, S.; Kumar, R.S.; Deepak, D.; Subburayalu, S.; Harish, A.; Surya, M.	Evaluating Deep Learning Approaches for MRI Based Brain Tumor Detection	6th International Conference on Inventive Research in Computing Applications, ICIRCA 2025	9798331521424
83	Nithya, P.; Sowmitha, V.; Malathy, M.; Lokeshwaran, V.; Gopinath, V.; Latha, R.	Improving Traffic Sign Detection Under Variable Lighting Conditions Using Deep Learning Algorithms	6th International Conference on Inventive Research in Computing Applications, ICIRCA 2025	9798331521424
84	Guru, K.V.; Tudigani, A.; Duraichi, N.; Sunil, G.; Jency, C.; Shanmugaraja, P.	Enhancing WSN Efficiency with SDN: A Deployment using SDN-WISE for Improved Routing ansd Network Longevity	2025 IEEE International Global Conference in Emerging Technology, GINOTECH 2025	9798331507756
85	Thangamani, R.; Vimaladevi, M.; Gopinath, V.; Subramanian, K.M.; Jothi, V.L.	Deep Learning Based Crowd Counting for Campus Safety Monitoring	6th International Conference on Inventive Research in Computing Applications, ICIRCA 2025	9798331521424

86	Logeswaran, K.; Sah, S.; Savitha, S.; Geetha, S.; Suresh Babu, S.B.T.; Mukesh Hari, S.; Jagan, B.; Maiyarasu, P.	Optimized Machine Learning Models for Diabetes Prediction- Hyperparameter Tuned Comparative Study	11th International Conference on Communication and Signal Processing, ICCSP 2025	9781665457361
87	Geetha, R.; Sibi, P.; Yoganathan, A.; Anitha, P.; Kalyanasundaram, P.; Kanimozhi, J.K.	Cross Domain Transfer Learning Techniques for Residential Energy Forecasting	2nd IEEE International Conference on Cognitive Robotics and Intelligent Systems, ICC - ROBINS 2025	9798331501723
88	Yoganathan, A.; Dhivyadharshini, V.; Loganathan, E.; Prakash, N.; Kandasamy, C.A.; Kalyanasundaram, P.	Improved Early Kidney Oncocytoma Identification in CT Scans using Hybrid CNN- RNN/Attention Models	6th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks, ICICV 2025	9798331511753
89	Anitha, P.; Swetha, S.; Kandasamy, C.A.; Kalyanasundaram, P.; Loganathan, E.; Prakash, N.	Efficient AI Driven Health Monitoring Facial Recognition in Cattle Farm	6th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks, ICICV 2025	9798331511753
90	Latha, B.; Nandakumar, R.; Udhayakumar, M.; Sanjay, P.; Eswaran, S.; Rahman, S.A.	Enhanced Segmentation of Lesions in Medical Images using DTA-Transunet	6th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks, ICICV 2025	9798331511753

91	Kandasamy, C.A.; Harshini, A.R.; Prakash, N.; Yoganathan, A.; Kalyanasundaram, P.; Anitha, P.	Analysing Mental Health Trends and Predictors among Students using Reinforcement Learning	6th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks, ICICV 2025	9798331511753
92	Prakash, N.; Pooja, S.; Kandasamy, C.A.; Yoganathan, A.; Kalyanasundaram, P.; Anitha, P.	Deep Learning for Handwritten Digit Recognition	6th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks, ICICV 2025	9798331511753
93	Deebika, R.; Sangeetha, M.	Optimized ResNet-50 Deep Learning Model for Highly Accurate Plant Disease Classification and Detection Efficiency	6th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks, ICICV 2025	9798331511753
94	Anitha, P.; Tharanika, S.; Prakash, N.; Kandasamy, C.A.; Yoganathan, A.; Kalyanasundaram, P.	Improved Lung Cancer Monitoring with Kalman Filter Algorithm for Tumor Growth Prediction	6th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks, ICICV 2025	9798331511753
95	Parameswaran, S.; Arulmozhi, P.; Indumathi, K.; Deepak, S.; Naveenkumar, S.; Pritheep, K.	Predictive Analytics of Stroke Patients Monitoring System using Deep Learning Models	2nd IEEE International Conference on Advances in Modern Age Technologies for Health and Engineering Science, AMATHE 2025	9798331501037
96	Malathy, M.; Gopinath, V.; Prakasham, V.; Akshaya, G.; Haripriya, R.B.; Sowmiya, M.	Voice-activated Chatbot for Visually Impaired Users to Detect Objects and Navigate in Real-Time	2025 International Conference on Computational Innovations and Engineering Sustainability, ICCIES 2025	9798331536695

97	Ganesh, E.N.; Rajasekaran, M.; Sangeethalakshmi, K.; Murugan, S.; Karthikeyan, S.; Senthil, P.	Real-Time Speed Detection in Sports Events Using Cloud-Sensor Fusion with Support Vector Machines	2024 International Conference on Smart Technologies for Sustainable Development Goals, ICSTSDG 2024	9798331516284
98	Mahendran, P.; Santhosh, J.; Karuppanasamy, K.; Srikanth, E.M.; Ameer Sheriff, R.; Thiyagavigneshwara n, G.	Optimizing Medical Imaging for Early Kidney Stone Detection Using Deep Learning with Comparative Analysis of Model Performance and Diagnostic Accuracy	1st International Conference on Frontier Technologies and Solutions, ICFTS 2025	9798331502768
99	Gandhi, J.N.; Akila, R.; Ponugoti, P.; Kumar, B.V.; Vanitha, P.; Rajendran, A.	Design and Implementation of a ZigBee-Based WSN for IoT Integration and Monitoring via Ubidots Platform	1st International Conference on Frontier Technologies and Solutions, ICFTS 2025	9798331502768
100	Sridevi, S.; Dhole, D.; Rajamani, P.S.; Srinivasan, V.; Loguprasath, P.; Tharun, N.	Advanced CNN-LSTM Edge-Computing in Epilepsy Wearables for Real-Time Seizure Detection and Extended Battery Life	1st International Conference on Frontier Technologies and Solutions, ICFTS 2025	9798331502768
101	Gowtham, S.; Dhivagar, S.; Srikumar, S.; Lavanya, D.; Sampath, S.; Arun, S.	Development of an Arduino-based Solar- Powered Mobile Charger with Integrated Timer, Alarm, and Energy Management System	3rd International Conference on Augmented Intelligence and Sustainable Systems, ICAISS 2025	9798331507244
102	Rameshkumar, J.; Veeramani, R.; Jothimani, M.; Gnanasri, B.; Manju, M.; Yogeshwari, K.	Detection and Classification of Irregularly Shaped Objects using Machine Learning Algorithms for Improved Accuracy	3rd International Conference on Augmented Intelligence and Sustainable Systems, ICAISS 2025	9798331507244

103	Veeramani, R.; Rameshkumar, J.; Periasamy, P.S.; Jhanani, K.K.; Vinothini, E.; Yasvanthika, K.	Comparative Analysis of Design Techniques for Compact Microstrip Patch Antenna to Enhance Bandwidth for 5G Applications at 28 GHz	3rd International Conference on Augmented Intelligence and Sustainable Systems, ICAISS 2025	9798331507244
104	Saravanan, N.; Kalyanasundaram, P.; Vasanthkumar, M.; Vijay, R.; Kavinesh, S.; Nitheshkumar, A.	Vision-based Face Recognition using Multi-CNN Algorithm for Hospital Staff Management	3rd International Conference on Augmented Intelligence and Sustainable Systems, ICAISS 2025	9798331507244
105	Anitha, P.; Suthakar, M.; Prakash, N.; Yoganathan, A.; Kalyanasundaram, P.; Geetha, R.	Smart Aqua 4.0: A Cyber-Intelligent System for Predictive Water Management with AI	3rd International Conference on Augmented Intelligence and Sustainable Systems, ICAISS 2025	9798331507244
106	Devi, P.M.; Kalyanasundaram, P.; Moheshkumar, G.; Devi, S.T.; Kavinkumar, K.; Sridevi, R.	Next-Gen ATM Security: Combining Facial Recognition and User Consent via Deep Learning	2025 International Conference on Recent Advances in Electrical, Electronics, Ubiquitous Communication, and Computational Intelligence, RAEEUCCI 2025	9798350392661
107	Marthandan, T.; Veena, V.; Jeyabarath, R.; Jayaraja, T.V.; Keerthivasan, V.; Sudharsan, S.	Improved Obstacle Detection and Alert System for the Visually Impaired Using Image Processing and Bluetooth Audio to enhance safe and independent mobility	3rd International Conference on Artificial Intelligence and Machine Learning Applications: Healthcare and Internet of Things, AIMLA 2025	9798331538972

108	Sah, S.; Logeswaran, K.; Savitha, S.; Kruthika, M.; Latha, R.S.; Rajadevi, R.; Vasugi, M.; Sujit, R.B.; Akilesh, T.	Enhancing Aquaculture Sustainability with Deep Learning Techniques: Fish Species Detection and Disease Diagnosis	3rd International Conference on Artificial Intelligence and Machine Learning Applications: Healthcare and Internet of Things, AIMLA 2025	9798331538972
109	Velliangiri, D.A.; Eswaramoorthi, R.; Gokul, S.; Hari Hara Prasath, S.; Praveen Kumar, B.; Risanth, K.	Ai Based Fast and Effective Wireless Charging System for Electric Vehicles	3rd International Conference on Artificial Intelligence and Machine Learning Applications: Healthcare and Internet of Things, AIMLA 2025	9798331538972
110	Marthandan, T.; Veena, V.; Jeyabarath, R.; Sulthan, A.; Syed Hasan, S.; Vimal Raj, S.	IOT Based Train Accident Detection System and the Loco-Pilot Health Issue Monitoring Using Yolo Model	3rd International Conference on Artificial Intelligence and Machine Learning Applications: Healthcare and Internet of Things, AIMLA 2025	9798331538972
111	Chakravarthi, P.; Kumaravel, A.; Brindha, M.; Prabu, R.; Avinesh, G.; Surendra, K.	Machine Learning-Based Hypertension Risk Stratification Using Logistic Regression and XGBoost	3rd International Conference on Artificial Intelligence and Machine Learning Applications: Healthcare and Internet of Things, AIMLA 2025	9798331538972
112	Premalatha, S.; Nandhakumar, R.; Marthandan, T.; Logeshwaran, R.; Dharmasastha, P.; Sivaperumal, K.	FPGA Based AI Inference Accelerator for Low-End Embedded Systems	3rd International Conference on Artificial Intelligence and Machine Learning Applications: Healthcare and Internet of Things, AIMLA 2025	9798331538972

113	Yamuna, K.; Kannan, E.; Karthika, J.; Abinesh, N.; Sugumar, V.; Visnu, K.	IoT Enabled Smart Electric Vehicle System Integrating Energy Harvesting Adaptive Speed Control and Driver Safety Monitoring	3rd International Conference on Artificial Intelligence and Machine Learning Applications: Healthcare and Internet of Things, AIMLA 2025	9798331538972
114	Kandasamy, C.A.; Harishjayaraj, S.; Geetha, R.; Kanimozhi, J.K.; Loganathan, E.; Prakash, N.	Optimizing Sports Strategies: Achieving Convergence using SARSA and Q-Learning for Dynamic Decision-Making	5th International Conference on Pervasive Computing and Social Networking, ICPCSN 2025	9798331535193
115	Sivasankar Rajamani, P.; Sridevi, S.; Abhirami Devi, K.R.; Barani, C.; Madhumitha, S.; Vishnu, S.	Optimizing Power and Area in VLSI Design for Pulse Width Modulation Systems using an Adaptive Method	3rd IEEE International Conference on Knowledge Engineering and Communication Systems, ICKECS 2025	9798331537012
116	Gopinath, V.; Deebika, R.; Ali, M.A.; Harisva, N.S.; Mathiyazhagan, S.; Ali, Y.A.A.	Lightweight Framework for Railway Obstacle Detection using YOLO Network	5th International Conference on Pervasive Computing and Social Networking, ICPCSN 2025	9798331535193
117	Ramasamy, M.; Madhaiyan, M.; Ashwin, S.; Prakash, A.; Rajasurya, K.; Harish, S.	High Gain Voltage Multiplier-based Multi-Port Interleaved Converter for PV System	5th International Conference on Pervasive Computing and Social Networking, ICPCSN 2025	9798331535193

118	Kandasamy, C.A.; Harini, S.; Yoganathan, A.; Kalyanasundaram, P.; Anitha, P.; Geetha, R.	High Precision Automated Irrigation System using Linear Regression	5th International Conference on Pervasive Computing and Social Networking, ICPCSN 2025	9798331535193
119	Kandasamy, C.A.; Indhuja, R.; Anitha, P.; Geetha, R.; Kanimozhi, J.K.; Loganathan, E.	Accurate Detection of Breaking Boundaries in Tissue Damage	5th International Conference on Pervasive Computing and Social Networking, ICPCSN 2025	9798331535193
120	Prakash; Poornima, P.; Kanimozhi, J.K.; Loganathan, E.; Kandasamy, C.A.; Yoganathan, A.	Advanced Intrusion Detection System Leveraging Support Vector Machine algorithm	5th International Conference on Pervasive Computing and Social Networking, ICPCSN 2025	9798331535193
121	Gopinath, V.; Prakasham, V.; Vinoth, K.; Abishek, C.; Rishikesh, N.; Baskar, R.V.	Real Time Vehicle Anti-Theft Detection and Tracking with IoT Notifications	5th International Conference on Pervasive Computing and Social Networking, ICPCSN 2025	9798331535193
122	Sacithraa, R.; Jeyabharath, R.; Dhanush, M.; Poovendiran, R.; Rathishkar, S.; Sabarinathan, A.G.	Prenatal Telemedicine System Featuring Real- Time Doctor Alerts and Virtual Consultations Through Internet of Things	5th International Conference on Pervasive Computing and Social Networking, ICPCSN 2025	9798331535193
123	Hemalatha, S.; Malathy, M.; Nithya, P.; Deepak, S.; Udhayaragavan, V.S.; Kumar, S.Y.	AI-Powered Workplace Safety: Helmet and Face Detection using YOLO for Access Control	5th International Conference on Pervasive Computing and Social Networking, ICPCSN 2025	9798331535193

124	Nagapavithra, S.; Kumar, C.S.; Yuvarani, D.; Parthipan, A.; Priyanka, S.; Rindhiya, A.	Smart Battery Swapping and Authentication System for Electric Vehicles using RFID	5th International Conference on Pervasive Computing and Social Networking, ICPCSN 2025	9798331535193
125	Sandhiya, R.; Sruthi, K.; Suruthi, S.; Kogilavani, S.V.	Implementing Deep Learning Models For Identifying And Classifying Infectious Skin Disease In Humans	14th International Conference on Innovations in Bio-Inspired Computing and Applications and 13th World Congress on Information and Communication Technologies, IBICA-WICT 2023	23673370
126	Karthik, S.; Jeyabharath, R.; Karthik, V.; Kirthick Raj, K.M.; Agilan, A.; Prasanth, J.	ANFIS-Based PWM Control for Electric Vehicle Speed Regulation Using an Intelligent ECU with ARM Processor	4th International Conference on Smart Technologies, Communication and Robotics, STCR 2025	9798350357530
127	Loganathan, E.; Naveenkumar, M.; Kanimozhi, J.K.; Prakash, N.; Venkatesan, M.; Yoganathan, A.	Evaluating the Impact of Gradient Boosting and Random Forest on Accuracy Improvement in Cardiovascular Risk Prediction	4th International Conference on Smart Technologies, Communication and Robotics, STCR 2025	9798350357530
128	Prakash, N.; Ashwin, S.; Yoganathan, A.; Kalyanasundaram, P.; Anitha, P.; Geetha, R.	Enhancing Safety Prediction in Accident-prone Zones using Gradient Boosting Machines	4th International Conference on Smart Technologies, Communication and Robotics, STCR 2025	9798350357530

129	Logeswaran, K.; Savitha, S.; Suresh, P.; Kumar, K.R.P.; Gunasekar, M.; Vasugi, M.; Ruthranayaki, J.; Akilesh, T.; Harish, C.	Pre-Owned Automotive Price Prediction Using Machine Learning Technique	14th International Conference on Innovations in Bio-Inspired Computing and Applications and 13th World Congress on Information and Communication Technologies, IBICA-WICT 2023	23673370
130	Kanimozhi, J.K.; Jtlin Marya, J.; Kandasamy, C.A.; Prakash, N.; Yoganathan, A.; Venkatesan, M.	Dynamic AI Tissue Analysis For Enhanced Medical Diagnosis using TSDM	4th International Conference on Smart Technologies, Communication and Robotics, STCR 2025	9798350357530
131	Rathika, P.; Nithya, P.; Karthi, V.; Aravind, R.; Jayabharath, T.; Ragul, A.	Enhancing Remote Sensing Image Classification with DWT and CSG-CAM for Visual Explanations	3rd International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation, ICAECA 2025	9798331525439
132	Kiruthiga Devi, V.; Veena, V.; Hariharan, P.; Hariharan, D.; Gunalan, K.P.; Hariharan, K.	Smart Water Pumping Solution using Bifacial Solar Panels for Enhanced Efficiency	5th International Conference on Trends in Material Science and Inventive Materials, ICTMIM 2025	9798331501488
133	Karthik, S.; Jeyabharath, R.; Aathi Kesavan, G.; Bharanitareen, M.P.; Yokeshwaran, D.; KavinKumar, A.	IoT-Enabled Hybrid Energy Harvesting System using Piezoelectric and Thermoelectric Transducer for Efficient Lighting Systems	5th International Conference on Trends in Material Science and Inventive Materials, ICTMIM 2025	9798331501488

134	Ruba Sri, D.R.; Kamatchi Kannan, V.; Subramaniam, S.; Sai Thrinath, B.V.S.; Sankarganesh, R.; Ponmurugan, P.	Design and Simulation of Five Level Multilevel Inverter for EV Applications	5th International Conference on Trends in Material Science and Inventive Materials, ICTMIM 2025	9798331501488
135	Rai, A.; Jannepally, A.R.; Konda, R.; Udhayakumar, M.; Chippagiri, S.; Katta, S.K.R.	Machine Learning for Enhanced Performance and Safety in Autonomous Vehicle Design	5th International Conference on Trends in Material Science and Inventive Materials, ICTMIM 2025	9798331501488
136	Stephenraj, M.A.; Jeyabharath, R.; Veena, V.; Swetha, T.; Somnath, P.; Chandhru, S.	Efficient Smart Vehicle for Crippled Person by using Standalone Photovoltaic System	5th International Conference on Trends in Material Science and Inventive Materials, ICTMIM 2025	9798331501488
137	Stephenraj, M.A.; Jeyabharath, R.; Naveen Kumar, K.; Sabarihariharan, M.; Sakthivel, V.; Praveen, S.	Global Maximum Power Point Extraction using SEPIC Converter for Agriculture Farming Purposes	5th International Conference on Trends in Material Science and Inventive Materials, ICTMIM 2025	9798331501488
138	Ravi, A.; Veena, V.; Deepak Raj, M.; Kavin, K.K.; Naveen Kumar, M.; Boopathi, I.	Intelligent Task Scheduling Algorithm using Real-Time STM32 Processor	5th International Conference on Trends in Material Science and Inventive Materials, ICTMIM 2025	9798331501488
139	Kiruthiga Devi, V.; Veena, V.; Ragunath, S.; Swetha, T.; Priyanka, G.R.; Harish, P.	IoT-based Smart Barrier Guard System for Enhanced Safety and Traffic Management	5th International Conference on Trends in Material Science and Inventive Materials, ICTMIM 2025	9798331501488

140	Kannan, E.; Yuvarani, B.; Sanjaykumar, S.; Tamilvanan, T.; Vasanth, J.; Manikandan, S.	A High Efficient and Cost Effective Waste Sorting Solution using Advanced Sensors and AI	5th International Conference on Trends in Material Science and Inventive Materials, ICTMIM 2025	9798331501488
141	Kandasamy, C.A.; Chandru, P.; Kanimozhi, J.K.; Loganathan, E.; Prakash, N.; Yoganathan, A.	Intelligent Malware Detection: Enhancing Accuracy with Recurrent Neural Network	8th International Conference on Trends in Electronics and Informatics, ICOEI 2025	9798331544607
142	Meenakshi Devi, M.D.; Saravanan, N.; Kalyanasundaram, P.; Maheshwari, R.; Vijayaragavan, R.; Dharshini, S.	Early Detection of Plant Stress Using GLCM Feature Extraction and Hybrid Random Forest- Naive Bayes Classifier	8th International Conference on Trends in Electronics and Informatics, ICOEI 2025	9798331544607
143	Saravanan, N.; Muthukumar, K.; Nandhini, T.; Saffiya Shabeen, S.; Sasikumar, G.; Mohamad Yasar, I.	A Novel Approach to Audio-Based Emotion Recognition Using Transfer Learning Algorithm (Wav2Vec2.0)	8th International Conference on Trends in Electronics and Informatics, ICOEI 2025	9798331544607
144	Prakash, N.; Nethaji, M.; Kalyanasundaram, P.; Anitha, P.; Geetha, R.; Kanimozhi, J.K.	Optimized Crop Disease Segmentation with High Accuracy Using Efficient U-Net	8th International Conference on Trends in Electronics and Informatics, ICOEI 2025	9798331544607

145	Jayachitra, S.; Poornima, R.; Manikandan, B.; Sriram, G.; Vignesh, M.; Vigneshwar, N.C.	An Enhanced Solution to Reduce Electromagnetic Radiation Hazards Using Open Loop Resonator Structure with Coplanar Waveguide Fed Loop Antenna	8th International Conference on Trends in Electronics and Informatics, ICOEI 2025	9798331544607
146	Premalatha, S.; Nandha Kumar, R.; Jayachitra, S.; Santhose, S.; Ragavi, H.; Narendra Prasath, M.	Designing a Framework for Optimizing Sustainable Soil Farming using Particle Swarm Algorithm	8th International Conference on Trends in Electronics and Informatics, ICOEI 2025	9798331544607
147	Prakash, N.; Ramya, S.; Geetha, R.; Kanimozhi, J.K.; Loganathan, E.; Kandasamy, C.A.	Wireless Network Optimization using Routing Algorithms	8th International Conference on Trends in Electronics and Informatics, ICOEI 2025	9798331544607
148	Subramani, M.; Gowtham, S.; Ashwin, K.; Vignesh, R.; Mohan Kumar, S.; Kanaga, R.	Revolutionizing Automotive Safety: A Novel Method for Reverse Propulsion and Regenerative Braking in Critical Scenarios	8th International Conference on Trends in Electronics and Informatics, ICOEI 2025	9798331544607
149	Saravanan, N.; Kalyanasundaram, P.; Vasanthkumar, M.; Vijay, R.; Kavinesh, S.; Nitheshkumar, A.	Vision-based Face Recognition using Multi CNN Algorithm for Hospital Staff Management	8th International Conference on Trends in Electronics and Informatics, ICOEI 2025	9798331544607

150	Meenatchi, K.; Veena, V.; Gowtham, A.; Sabarichandru, S.R.; Elavarasan, T.; Sanjay, V.	AI Powered Renewable Load Sharing: A Sustainable Alternative to Fossil Fuel-Based System for Efficiency and Low Emissions	8th International Conference on Trends in Electronics and Informatics, ICOEI 2025	9798331544607
151	Madhaiyan, M.; Ramasamy, M.; Arun, V.; Agathiyan, K.; Sudharsan, R.; Vijay, M.	PV Supported Inductive Hybrid UPQC for Power Quality Enhancement in Sensitive Power Supply Networks	8th International Conference on Trends in Electronics and Informatics, ICOEI 2025	9798331544607
152	Govindaraju, P.; Arun Prasath, M.M.; Nandakumar, R.; Dhanuja, R.; Sowmiya, K.; Vignesh, R.	Deep Learning-Driven Health Monitoring System Integrated with Wi-Fi Technology	8th International Conference on Trends in Electronics and Informatics, ICOEI 2025	9798331544607
153	Kanimozhi, J.K.; Janakrishnamoorthi, S.; Kalyanasundaram, P.; Anitha, P.; Geetha, R.; Loganathan, E.	Accurate Prediction of Pest Information Patterns in Crops Using Machine Learning Algorithms	8th International Conference on Trends in Electronics and Informatics, ICOEI 2025	9798331544607
154	Moheshkumar, G.; Saravanan, N.; Muthukumar, N.; Jeevanantham, P.; Logeshwari, S.; Ahamed Hussain, J.	Detecting and Classifying Phishing Websites by Machine Learning	8th International Conference on Trends in Electronics and Informatics, ICOEI 2025	9798331544607

155	Jeyabharathi, M.; Latha, B.; Athief, S.; Rohith, M.; Sibi, N.; Suseendhar, S.	Design of Metamaterial- Infused MIMO Antenna for 5G Mobile Communication	8th International Conference on Trends in Electronics and Informatics, ICOEI 2025	9798331544607
156	Latha, B.; Sindhuja, V.; Vinoth Kumar, B.; Dhanush Kumar, K.; Kavipriya, S.; Kiruthika, S.	Optimized CNN for Multi-Class Retinal Disease Detection with Minimized Memory Usage	8th International Conference on Trends in Electronics and Informatics, ICOEI 2025	9798331544607
157	Saravanan, N.; Meenakshi Devi, M.D.; Nirmal Kumar, S.; Dhanusri, M.; Chandru, R.; Indhu Priya, G.	A Structured Query Language-Based Transplant Tracking for Secure and Transparent Organ Donation	8th International Conference on Trends in Electronics and Informatics, ICOEI 2025	9798331544607
158	Subburaj, S.; Ganesh Moorthy, G.M.; Sri Senthilkumar, S.; Jayan, V.; Deepak Kumar, B.; Mounish, R.	Implementation of a Deep Learning-based MPPT System for Maximizing Energy Extraction in Solar PV Modules	2025 International Conference on Intelligent Computing and Control Systems, ICICCS 2025	9798331512088
159	Parameswaran, S.; Arulmozhi, P.; Indumathi, K.; Mariya Rodax, D.; Pradeep, G.; Renuga Devi, J.	Prediction of Attention Deficit Hyperactivity Disorder and Autism Spectrum Disorder Patients Emotion Recognition using Machine Learning Models	2025 International Conference on Intelligent Computing and Control Systems, ICICCS 2025	9798331512088

160	Sowmitha, V.; Deebika, R.; Sathya, T.; Kaviyaran, S.; Purusothaman, S.; Barath, A.	A Comprehensive Secured Digital Voting System using Web Development and Blockchain	2025 International Conference on Intelligent Computing and Control Systems, ICICCS 2025	9798331512088
161	Manikandan, P.; Jeyabharath, R.; Yasika, P.; Jayam, M.; Manikandeswaran, A.; Suresh, T.	Buck-Boost Converter-based Wireless Power Transfer for Electric Vehicles (EV) with Fast Charging Method	2025 International Conference on Intelligent Computing and Control Systems, ICICCS 2025	9798331512088
162	Deebika, R.; Gopinath, V.; Hemalatha, S.; Bhuvanawari, B.; Gokula Priyan, B.; Vasanth, S.	An Optimized Precision in Tea Leaf Disease Identification using Faster R-CNN Model	2025 International Conference on Intelligent Computing and Control Systems, ICICCS 2025	9798331512088
163	Karthikeyan, S.; Thilagavathi, P.; Kaviya, S.; Nithyasri, M.; Shalini, E.; Vinitha, R.	Back-EMF based Control of BLDC Motors using Pulse Width Modulation Technique	2025 International Conference on Intelligent Computing and Control Systems, ICICCS 2025	9798331512088
164	Kandasamy, C.A.; Haridharshini, E.; Prakash, N.; Yoganathan, A.; Kalyanasundaram, P.; Anitha, P.	AI-Powered Medication Reminder and Tracker using Reinforcement Learning Algorithm	2025 International Conference on Intelligent Computing and Control Systems, ICICCS 2025	9798331512088
165	Manikandan, P.; Jeyabharath, R.; Dhinakaran, A.; Mareeswaran, P.; Kishore, C.; Mugilmuthu, R.	Lithium Ion Battery Pack Robust State of Charge and Charging Method Estimation using Fuzzy Logic	2025 International Conference on Intelligent Computing and Control Systems, ICICCS 2025	9798331512088

166	Karthi, V.; Rathika, P.; Hemalatha, S.; Deepanraj, J.; Gokul Krishnan, K.; Sasidharan, V.	Enhanced Intrusion Detection System with Modified Random Forest and Feature Selection on KDD	2025 International Conference on Intelligent Computing and Control Systems, ICICCS 2025	9798331512088
167	Poongothai, K.; Baskar, B.; Jaishankar, B.; Govindaraj, T.; Sivaranjani, C.; Subburaj, S.	Advanced AI Algorithms for Automated Diagnosis in Healthcare: Pneumonia Detection using X-Ray and CT Scans	2025 International Conference on Intelligent Computing and Control Systems, ICICCS 2025	9798331512088
168	Kshanmugapriya; Kalyanasundaram, P.; Gokul, S.; Kaviya, R.; Gowri, S.; Sudhish, C.	Automated Intruder Detection and Alert System using CNN-based Facial Recognition for High-Security Rooms	2025 International Conference on Intelligent Computing and Control Systems, ICICCS 2025	9798331512088
169	Nandakumar, R.; Sridevi, S.; Gopi, J.; Naveena, E.; Pradeepika, M.; Varsha, T.	Autonomous Drone for High Accuracy Gender & Age Detection, Location Tracking and Speech Recognition using Machine Learning	2025 International Conference on Intelligent Computing and Control Systems, ICICCS 2025	9798331512088
170	Prakash Kumar, P.S.; Shanmuga Priya, K.; Tnandhini; Pranjithkumar; Asbose; Ndevendhiran	Design and Development of a Vision Transformer (ViT) Model for Predicting Skin Cancer from Skin Images	2025 International Conference on Intelligent Computing and Control Systems, ICICCS 2025	9798331512088
171	Nene, P.; Karthik, S.; Velumani, R.; Hariprasath, S.; Arun Kumar, V.; Subburaj, S.	Narrow-Band IoT Applications in Precision Agriculture for Real-Time Environmental Monitoring and Crop Management	2025 International Conference on Intelligent Computing and Control Systems, ICICCS 2025	9798331512088

172	Jambukumar, S.; Devi, P.M.; Saravanan, N.; Divakar, S.; Tharnesh, R.; Indiresan, K.	An Enhanced Speech Emotion Recognition System using RNN compared with CNN	2025 International Conference on Intelligent Computing and Control Systems, ICICCS 2025	9798331512088
173	Pkalyansundaram; Meenakshi Devi, M.D.; Mmuhilarasan; Kanusree; Rragupathy; Ramugunthan	AI-Driven Compression for Memory Optimization in Virtual Tourism: Comparing JPEG to Advanced Techniques	2025 International Conference on Intelligent Computing and Control Systems, ICICCS 2025	9798331512088
174	Nandhini, T.; Saravanan, N.; Kalyanasundaram, P.; Shree Varshaa, S.; Lakshmi Vishnu, M.A.; Anuj, R.	Fraud-Free Employment: Leveraging Gaussian Naive Bayes for Job Validation	2025 International Conference on Intelligent Computing and Control Systems, ICICCS 2025	9798331512088
175	Anitha, P.; Surya, S.; Swetha, S.; Suganeshwaran, N.; Suriya, V.	Hiding Data Using Efficient Combination of RSA Cryptography, and Compression Steganography Techniques	4th International Conference on Mathematical Modeling and Computational Science, ICMACS 2025	23673370
176	Anitha, P.; Vignesh, S.; Vigneshwaran, A.; Vasanthakumar, R.; Yogesh, E.; Tamilselvan, S.	Hand Detection and Finger Counting Using Python	4th International Conference on Mathematical Modeling and Computational Science, ICMACS 2025	23673370

177	Logeswaran, K.; Savitha, S.; Sree Harshan, A.S.; Suganraj, S.; Dinesh Kumar, M.; Prasanna Kumar, K.R.; Gunasekar, M.; Rajadevi, R.	Machine Learning Driven Precise Automobile Insurance Claim Predictions	15th International Conference on Soft Computing and Pattern Recognition, SoCPaR 2023 and 14th World Congress on Nature and Biologically Inspired Computing, NaBIC 2023	23673370
178	Logeswaran, K.; Suresh, P.; Savitha, S.; Sah, S.; Kr, P.K.; Rajadevi, R.; Vasugi, M.; Sujit, B.; Akilesh, T.	Empowering Leather Quality Assurance: Leveraging Convolutional Neural Networks for Precise Defect Detection and Classification	3rd International Conference on Intelligent Systems, Advanced Computing, and Communication, ISACC 2025	9798331523893
179	Kumanan, T.; Narani, S.R.; Tidke, B.; Thirumurugan, R.; Karthikeyan, S.; Sujatha, S.	CNN-based Neuroimaging Analysis for Mapping Neurotransmitter Dysregulation in Anxiety Disorders	3rd International Conference on Integrated Circuits and Communication Systems, ICICACS 2025	9798331508456
180	Banu, R.; Tripathi, R.; Sharma, S.; Chenniappan, L.; Chandrasekaran, K.; Umanesan, R.	Advancing HRM with AI Powered Recruitment Performance Management and Employee Engagement Using One Class SVMs	3rd International Conference on Integrated Circuits and Communication Systems, ICICACS 2025	9798331508456
181	Dhanalakshmi, S.; Jayanthi, L.N.; Sangeetha, P.; Gowri, J.B.; Karthikeyan, S.; Rajmohan, M.	Real-Time Monitoring of Patient Movement and Restraint Usage in healthcare Settings with IoT and Deep Learning Model	2025 International Conference on Visual Analytics and Data Visualization, ICVADV 2025	9798331521394

182	Gomathy, S.; Gukankavin, M.N.; Prabhu, T.; Abinaya Sri, R.S.; Kiruthika, S.; Arjun, M.	Topology Synthesis and Implementation of Efficient SIDO SEPIC Converter	3rd International Conference on Intelligent Data Communication Technologies and Internet of Things, IDCIoT 2025	9798331527549
183	Kamatchi Kannan, V.; Muniraj, C.; Sankarganesh, R.; Parimalsundar, E.; Sai Thrinath, B.V.S.; Ponmurugan, P.	Electric Vehicle Fault Battery Analyzer Using Internet of Things	2025 International Conference on Multi-Agent Systems for Collaborative Intelligence, ICMSCI 2025	9798331509828
184	Madhaiyan, M.; Tamilselvan, K.; Arun, V.; Sivaprakasam, T.; Kanmani, G.; Rameshkumar, N.	Two-Fold Boost Switched Capacitor Inverter with Minimum Switches	2025 International Conference on Multi-Agent Systems for Collaborative Intelligence, ICMSCI 2025	9798331509828
185	Madhaiyan, M.; Mohammadha Hussaini, M.M.; Jeyabharath, R.; Thivyabrabha, K.; Jeniton, S.; Arun, V.	Double Boost Switched Capacitor Nine Level Inverter with Level Shifted PWM Techniques	2025 International Conference on Multi-Agent Systems for Collaborative Intelligence, ICMSCI 2025	9798331509828
186	Balasubramaniam, P.M.; Sivakumar, J.; Prabhu, S.; Arun, V.; Vijayakumar, V.; Madhaiyan, M.	Advancing Switched Reluctance Motor Design for Electric Vehicles Through Performance Optimization	2025 International Conference on Multi-Agent Systems for Collaborative Intelligence, ICMSCI 2025	9798331509828

187	Sowmiya, R.; Pravin Kumar, M.P.; Kumar, T.M.S.; Rasika, P.; Devi, M.P.; Dharshini, S.P.	Artificial Intelligence-Driven Protein Folding System Employing Alpha Fold	2025 International Conference on Multi-Agent Systems for Collaborative Intelligence, ICMSCI 2025	9798331509828
188	Arun, V.; Dhanapal, S.; Ravi, V.; Sekar, G.; Jayakumar, T.; Madhaiyan, M.	Double Boost Switched Capacitor Multi-Level Inverter with Modified VFPOD-PWM Control	2025 International Conference on Multi-Agent Systems for Collaborative Intelligence, ICMSCI 2025	9798331509828
189	Chandran, C.; Sivasubramanian, G.M.; Veena, V.; Karuppusamy, P.; Arun, V.; Karthikeyan, N.	Nine Level Double Boost Inverter with Modified PWM Control	2025 International Conference on Multi-Agent Systems for Collaborative Intelligence, ICMSCI 2025	9798331509828

**Director - IQAC**