# JERUSALEM COLLEGE OF ENGINEERING

**AN AUTONOMOUS INSTITUTION**

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**Velachery Main Road, Narayanapuram, Pallikaranai, Chennai, Tamil Nadu - 600100.**

## Research Papers and Articles(2023-2024)

| S.No. | Department | Name of the author | Title of the paper | Title of the Journal/Conference |
|---|---|---|---|---|
| 1 | AIML | Dr. D. Parameswari | Automated Journalism Using Artificial Intelligence | International Journal of Research and Analytical Reviews |
| 2 | AIML | Dr. D. Parameswari, Ms. S. Vinitha | The Impact Of Generative AI On The Evolution Of Virtual World | National Level Conference on Emerging Trends in Electronics, Communication and Computing Technology NCETECCT 2024 by Department of ECE, Jerusalem College of Engineering |
| 3 | AIML | Ms. S. Vinitha and Ms. T. Prasanthi | Predictive Modeling Techniques For Anticipating Vaccine Demand | International Conference on Computing and Data Science (ICCDS-2024) by Rajalakshmi Engineering College |
| 4 | AIML | Ms. S. Vinitha | Enhanced Prediction of Rheumatoid Arthritis Flares Through Ensemble Learning Methods | IIEEE Conference on "Advances in Information Technology" (ICAIT – 2024) |
| 5 | BIOMEDICAL | J.Sofia bobby,C.L.Annapoorani, , B.Nivedha,Ms.S.Lavanya | Cost Effective Blood collection monitor for Emergency patients | 2024 Tenth International Conference on Bio Signals, Images, and Instrumentation (ICBSII) |
| 6 | BIOMEDICAL | J.Sofia bobby, V.Mythily,C.L. Annapoorani, S.Purnima | Detection of Anemia from Palpebral image of Anterior conjunctiva using SVM classifier | 2024 Tenth International Conference on Bio Signals, Images, and Instrumentation (ICBSII) |
| 7 | BIOMEDICAL | V.Mythily | Patient Treatment classification using machine Learning | 2024 Tenth International Conference on Bio Signals, Images, and Instrumentation (ICBSII) |
| 8 | BIOMEDICAL | J.Sofia Bobby, S.Purnima,V. Mythily | In vitro chronic wound healing using collagen and plant extract along with zinc Nanoparticles in EAI endorsed transactions | Pervasive health and technology |
| 9 | BIOMEDICAL | R. Anitha | Enhancing Battery Management of Electric Vehicles through Bidirectional Charging for Sustainable Mobility | International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING |
| 10 | BIOMEDICAL | R. Anitha | Design and Elevating Cloud Security Through a Comprehensive Integration of Zero Trust Framework | International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING |
| 11 | BIOMEDICAL | J.Sofia bobby, Ms.S.Lavanya,B. Nivedha, R.Anitha | Lower limbs design for paralytic patients using 3D printing | ICCSP'24 |
| 12 | BIOMEDICAL | S.Purnima | Neural Network Classification of Resting State fMRI Data of ADHD and Healthy Subjects using Dynamic Mode Features | IEEE Asia-Pacific Conference on Computer Science and Data Engineering (CSDE) |

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| 13 | BIOMEDICAL | R Kishore Kanna | Smart Patient Monitoring Module Using Intelligent Technologies-Supported Wireless Application | Fostering Cross-Industry Sustainability With Intelligent Technologies |
| 14 | BIOMEDICAL | R Kishore Kanna | Design and Implementation for EEG Artifact Detection and Removal Technique for Neuro Training Application: Cognitive Signal Conditioning | Intelligent Solutions for Cognitive Disorders-IGI Global |
| 15 | BIOMEDICAL | R Kishore Kanna | Big Data Analytics: Understanding Its Capabilities and Potential Benefits for Healthcare Organizations | IEEE_Xplore |
| 16 | BIOMEDICAL | R Kishore Kanna | Utilization of Spatial Filtering for Enhancement of Fingerprint Images | IEEE_Xplore |
| 17 | BIOMEDICAL | R Kishore Kanna | Optimization of Network Performance using MPLS | IEEE_Xplore |
| 18 | BIOMEDICAL | R Kishore Kanna | Extracting Features Using Discrete Wavelet Transform (DWT) and Gray Level Co-occurrence Matrix (GLCM) to Produce Colorization of Images | IEEE_Xplore |
| 19 | BIOMEDICAL | Kishore Kanna | Strategies of Artificial intelligence tools in the domain of nanomedicine | Journal of Drug Delivery Science and Technology |
| 20 | BIOMEDICAL | Kanna, R. K., | Computational Spirometer Using Arduino Nano Application: Smart Spirometer Module | Reshaping Healthcare with Cutting-Edge Biomedical Advancements (pp. 339-368). IGI Global. |
| 21 | BIOMEDICAL | Kanna, R. | Design of a Digital Rf Beacon To Rescue The Soldiers Trapped In Ice Glaciers. | 2024 Third International Conference on Intelligent Techniques in Control, Optimization and Signal Processing (INCOS). IEEE. |
| 22 | BIOMEDICAL | Kishore Kanna, R. | Smart Assist System Module for Paralysed Patient Using IoT Application | EAI Endorsed Transactions on Internet of Things |
| 23 | BIOMEDICAL | Kishore Kanna, R. | Clinical Application of Neural Network for Cancer Detection Application. | EAI Endorsed Transactions on Pervasive Health and Technology |
| 24 | BIOMEDICAL | Kishore Kanna, R. | Machine Learning Based Stroke Predictor Application. | EAI Endorsed Transactions on Internet of Things |

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| 25 | BIOMEDICAL | Kishore Kanna, R. | Anxiety Controlling Application using EEG Neurofeedback System. | EAI Endorsed Transactions on Pervasive Health and Technology |
| 26 | BIOMEDICAL | Kishore Kanna, R. | CNN Based Face Emotion Recognition System for Healthcare Application. | EAI Endorsed Transactions on Pervasive Health and Technology |
| 27 | BIOMEDICAL | Kishore Kanna, R. | Detection of Brain Tumour based on Optimal Convolution Neural Network. | EAI Endorsed Transactions on Pervasive Health and Technology |
| 28 | CS & BS | Beulah Jayakumari R, Malathy Jawahar , Maya Eapen , Jani Anbarasi L , Vinayakumar Ravi , Lilly Sheeba S and Tahani Jaser Alahmadi | COVID-19 Mental Health Impact Analysis using Ensemble-based Classifier | The Open public Health journal |
| 29 | CS & BS | D Divya, K. Ananthajothi, Maya Eapen | Advancing Agriculture with CNN for timely Leaf disease detection and Enhance crop production | Mapna - Journal of Sciences |
| 30 | CS & BS | Maya Eapen, H.Mercy, Beulah Jayakumari R | Smart Gadgets Cockpit Using IOT | IEEE Xplore |
| 31 | CS & BS | S Gayathri, Venkateswar Reddy , Thirupathi Reddy, Rakesh Reddy | Modeling and Customer Churn Prediction Using Deep Learning | AIP Conference |
| 32 | CS & BS | S Gayathri , Rohit J , P Preethi , Vignesh Kumar | PREVENTION OF MOVIE PIRACY USING HASHING ALGORITHMS | AIP Conference |
| 33 | CS & BS | S Gayathri ,SivaRex, Vishnu Singh Rathore | Smart Ventilator Using Esp32 Microcontroller and Embedded C | AIP Conference |
| 34 | EEE | AP Diwan, B Nagarajan, V Mahendran | Comparative analysis of submodules and design of seventeen-level modular multilevel converter using a five-level submodule block | Engineering Research Express |
| 35 | EEE | Arul Prakash Jayachandran, Booma Nagarajan, M. Venmathi | Environmental Benefits of Using Solar Standalone Induction Heating with a Dual Frequency Dual Load System | Journal of Environmental Protection and Ecology |

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| 36 | 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 and Transmission Systems (ICPECTS), IEEE |
| 37 | EEE | Jamuna V, C. Sankari, A.R. Kavitha | XGBoost Powered Hybrid Ensemble Approach for Precise Brain Tumor Diagnosis, Combining Convolutional Neural Networks, ResNet 50 and K-Means Clustering Techniques | Int. Conf. on Advancement in Renewable Energy and Intelligent Systems (AREIS-2024), Jyothi Engineering College, Kerala |
| 38 | IT | Dr.D.Sudhagar | Recent Advancement in Prediction and Analyzation of Brain Tumour using the Artificial Intelligence Method | Journal of Advanced Research in Applied Sciences, Engineering and Technology |
| 39 | IT | Dr M.S.JEYALAKSHMI | Quantum Computing and Healthcare: Drug Discovery and Molecular Simulation with Machine Learning | International Journal of Intelligent Systems and Applications in Engineering |
| 40 | IT | Dr M.S.JEYALAKSHMI | Optimal load balancing in cloud: Introduction to hybrid optimization algorithm | Expert Systems with Applications |
| 41 | IT | Dr.K.Sundaramoorthy | Enhancing cybersecurity in cloud computing and WSNs: A hybrid IDS approach | Computers & Security |
| 42 | IT | Dr.D.Sudhagar | Revolutionizing Data Transmission Efficiency in IoT-Enabled Smart Cities: a Novel Optimization-Centric Approach | International Research Journal of Multidisciplinary Scope(IRJMS) |
| 43 | IT | Pushpavalli K | Supervised Machine Learning Algorithm for Stellar Classification | Nanotechnology Perceptions |
| 44 | IT | Mr.K.ARUN PRASAD | Insights into Anomaly Detection: A Survey and Comparative Analysis of Techniques for Time Series Data from Sensor Networks. | Advanced Materials, Manufacturing and Sustainable Development (ICAMMSD-2024) |
| 45 | IT | Mr.K.ARUN PRASAD | ADVANCING ANOMALY DETECTION IN MANUFACTURING: A HYBRID APPROACH USING STATISTICAL AND MACHINE LEARNING TECHNIQUESK. | ICCICN-2025, EASWARI ENGINNERING COLLEGE |
| 46 | IT | Dr.K.Sundaramoorthy | Innovative Cognitive Stroke Detection Analysis using Deep Learning Methodology | 2024 IEEE NIGERCON Conference |

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| 47 | IT | Dr.K.Sundaramoorthy | Smart Cloud Computing Approach for Electronic based Health Record System | 2024 IEEE 5th International Conference on Electro-Computing Technologies for Humanity (NIGERCON) |
| 48 | IT | Dr.K.Sundaramoorthy | Cloud Computing Approach in Healthcare Technology and Application: A Review | 2024 IEEE 5th International Conference on Electro-Computing Technologies for Humanity (NIGERCON) |
| 49 | IT | Dr.K.Sundaramoorthy | Smart Cloud Computing Approach for Electronic based Health Record System | 2024 IEEE 5th International Conference on Electro-Computing Technologies for Humanity (NIGERCON) |
| 50 | IT | Dr.K.Sundaramoorthy | Computational Approach for Cardiac Defect Detection using CNN Approach | 2024 IEEE 5th International Conference on Electro-Computing Technologies for Humanity (NIGERCON) |
| 51 | IT | Dr.K.Sundaramoorthy | Computational Machine Learning Approach for Brain Impairment | 2024 IEEE 5th International Conference on Electro-Computing Technologies for Humanity (NIGERCON) |
| 52 | IT | Dr.K.Sundaramoorthy | Insights into Anomaly Detection: A Survey and Comparative Analysis of Techniques for Time Series Data from Sensor Networks. | Advanced Materials, Manufacturing and Sustainable Development (ICAMMSD-2024) |
| 53 | IT | Dr.K.Sundaramoorthy | Enhancing Aadhar Data Privacy and Verification | Proceedings of International Conference on Computer Science and Communication Engineering (ICCSCE 2025) |
| 54 | IT | Dr.K.Sundaramoorthy | Secure E-Voting System With Biometric Authentication | Proceedings of International Conference on Computer Science and Communication Engineering (ICCSCE 2025) |
| 55 | IT | S.Jeevitha | Thyroid Nodule Classification Model from Scintigraphy Images using Convolution Neural Networks | 2024 5th International Conference on Innovative Trends in Information Technology (ICITIIT) |
| 56 | IT | Dr.D.Sudhagar | Smart Assistive Footware for Visually Impaired | International conference on Recent Trends in Engineering, Technology and Management 2024 |
| 57 | IT | Dr.D.Sudhagar | Emergency Medical Service - Siren Visionary | International conference on Recent Trends in Engineering, Technology and Management 2024 |

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| 58 | IT | Dr.D.Sudhagar | Fabrication of Black Box | International conference on Recent Trends in Engineering, Technology and Management 2024 |
| 59 | IT | Mr.K.Arun Prasad | KEYWORD DRIVEN PROMPT AND AI IMAGE GENERATOR | Two days National Conference on Communication :Sustainable Technology '24 |
| 60 | IT | Mr.K.Arun Prasad, Dr.K. Sundaramoorthy | Sentinel System: Advanced Anomaly Detection in Enhanced Sensor Networks for Next-Gen Surveillance | 7th International Conference on Intelligent Computing (IConIC)PECTEAM 2K24 |
| 61 | IT | Ms K.Shanmuga Priya | PROMATE:A Marketing Application for Amplifying Brands Through Influencer Partneships | 12 th International Conference On Contemporary Engineering and Technology |
| 62 | IT | Ms K.Shanmuga Priya | GUARDIANVISION:Advanced Quadtree Algorithm for Enhanced Medical Image Edge Protection | 12 th International Conference On Contemporary Engineering and Technology |
| 63 | IT | Ms. Christy Grace. M.A | IOT based smart light and vehicle crossing alert with indication system in hill station | 5th National Conference on Recent Trends in Power and Energy Engineering (RTPEE2024) |
| 64 | IT | Mrs. Jeevitha S | Offline Store Customer Analysis Intregration | International Conference on Advances in Engineering and Medical Sciences 2024 |
| 65 | IT | Mrs. Jeevitha S | Classifying Diabetic Foot Ulcers using Machine learning Techniques | 12 th International Conference On Contemporary Engineering and Technology |
| 66 | IT | Mr. Kumar Parop Gopal | VIZ-FLOW: An effective E-Learning tool for algorithm visualization | ICRETM conference 2024 conference |
| 67 | IT | Mr. Kumar Parop Gopal | ANCESTRAL PIXELS | ICDAIC24 |
| 68 | IT | Dr.M.S.JEYALAKSMI | Cloud based Social Engineering and Management | International conference on Recent Trends in Engineering, Technology and Management 2024 |

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| 69 | IT | Dr.M.S.JEYALAKSMI | Lung cancer detection ststem and survival rate prediction using graph neural networks | International conference on Recent Trends in Engineering, Technology and Management 2024 |
| 70 | cs | Lilly Sheeba S | COVID-19 Mental Health Impact Analysis using Ensemble-based Classifier | The Open Public Health Journal |
| 71 | cs | Lilly Sheeba S | Machine Learning-Driven Scaffold Design: Advancing Tissue Engineering with Stem Cells. | 39th Indian Engineering Congress (IEI), Kolkata |
| 72 | cs | Lilly Sheeba S | Smart Precision Irrigation System: Matrix-Driven Capacitive Sensing Optimization with Machine Learning | 39th Indian Engineering Congress (IEI), Kolkata |
| 73 | cs | Rachel Evelyn R | Phishing Detection Using Machine Learning Algorithm | 39th Indian Engineering Congress (IEI), Kolkata |
| 74 | cs | Lilly Sheeba S | Robust Deep Learning Model for Plant Disease Identification and Management with Crop-Specific Precision | 39th Indian Engineering Congress (IEI), Kolkata |
| 75 | cs | Faritha Begum M | Child exploitation and Abuse | 39th Indian Engineering Congress (IEI), Kolkata |
| 76 | cs | Preethi Parameswari S | Enhancing Security in User Authentication: A Hybrid Approach Using Biometric and Behavioral Analysis | 39th Indian Engineering Congress (IEI), Kolkata |
| 77 | CSE | N.Shanmugapriya, D.Divya, M. Pandi Maharajan, Mahesh V, S. Arun, R.Krishnamoorthy | Revolutionizing Innovation Design and Development of Human Detection and Rescue Robot Based on Internet of Things Association | ICESC 2024- International Conference on Electronics and Sustainable Communication Systems |
| 78 | CSE | Dr.T.Dhanalakshmi,Keerthivasan SJ, Marshall R, Mohammed Kaif R | Electricity Power Defence Mechanism | 39th Indian Engineering Congress |
| 79 | CSE | S.Arun Kumar,Ms.M.Vanitha Sheba,S.usha Naidu,V.Balaji Vijayan,S.Arun,R.Thiyagarajan | Seamless Wi-Fi Integration Enhancing the Experimental Model of Smart Car Parking Systems with IoT and Modulated Sensors | 2nd International Conference on Sustainable Computing and Smart Systems (ICSCSS 2024) |

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| 80 | CSE | Ms.J.Rajeshpushpa,Surikutchi Sandhya,Sreevaesini S | A Comprehensive Survey on Parkinson's Disease deection using various approaches | Interntional Conference on Multi disciplinary Research and Development |
| 81 | CSE | Mr.Javed N,Signeta Gloria | Securing the Future: AI-Driven IoT and its Security Imperatives | Interntional Conference on Multi disciplinary Research and Development |
| 82 | CSE | D.Divya, D.Saveetha, V.C. Bharathi, P.Shanmugam | Transforming Lung Carcinoma Analysis: Deep Learning's Efficient Segmentation and Classification | ICSES 2023- International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems |
| 83 | CSE | D.Divya, K.Ananthajothi, Maya Eapen | Advancing Agriculture with CNN for Timely Leaf Disease Detection and Enhance Crop Production | ICSAC 2024-International Conference on Sustainable Advanced Computing |
| 84 | CSE | M.Vanitba Sheba,Sriranjen AR, Thilothammal S, Santhosh Kumar E | One click defender antivirus software using behaviour based signature based detection | ICSAC 2024-International Conference on Sustainable Advanced Computing |
| 85 | CSE | Dhanalakshmi Teekaraman, S.P.Tamizhselvi | Knowledge Graph Generation for Research Articles | ICSAC 2024-International Conference on Sustainable Advanced Computing |
| 86 | CSE | H.Mercy,Praveen J, Sam Daniel.A, Sanmathi | Autonomous Soccer Robot with Object Tracking and Color Information | ICSAC 2024-International Conference on Sustainable Advanced Computing |
| 87 | CSE | V. Balaji Vijayan, T. Dhanalakshmi, P. Parthasarathi, S. Nivedha, R. Krishnamoorthy, R. Thiagarajan | Experimental Evaluation of Smart Forest Fire Detection Methodology using Internet of Things and Logical Sensors | ICCSP 2024- International Conference on Communicationa and Signal Processing |
| 88 | CSE | Aswathy K Cherian, S. Devipriya, Bhushan P. Saoji, B. Mallikeswari, R. Thiagarajan, R. Krishnamoorthy | A Robust Design of Real-Time Resilient Smile Recognition System using Hybrid Deep Learning Principles | ICCSP 2024- International Conference on Communicationa and Signal Processing |
| 89 | CSE | P Periyathambi, N. Javed, M.K Syed Meeral, S. Kiruba, R. Thiagarajan, R. Krishnamoorthy | Exploring the Experimental Possibilities of LiFi: A Novel IoT based Wireless Data Transmission through Visible Light Communication | ICCSP 2024- International Conference on Communicationa and Signal Processing |
| 90 | CSE | Maya Eapen, H.Mercy, Beulah Jayakumari R, Lavanya Mala A, Indumathi.S, Pooja.S | Smart Gadgets Cockpit using IoT | ICCDS 2024- International Conference on Computing and Data Science |

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| 91 | CSE | Ms.H.Mercy,Maya eapen | court case prediction | National conference on emering Trends in Electronics,Communication and computing Technology |
| 92 | CSE | Devipriya S,Bharathy P,Chris Kavin Romero R,Jabes Austin | P2P offline communication secured with BCT | International Conference on Recent Advancement in Science Management, Engineering and Technology' 2024 |
| 93 | CSE | Mr. N. JAVED, Ms.Priyadarshini S, Sandeep Singh, SunilVS | AI- Driven AutonomousUAV Navigation with Real-Time Obstacle Avoidance | National Conference on Communination: Sustainable Technology'24(CST;24) |
| 94 | CSE | Javed N,Anvar ul Haq, Gowtham. S, Monish Kumar, | Planet Elplorer in Augmented Reality | National Conference on Communination: Sustainable Technology'24(CST;24) |
| 95 | CSE | M.Amanullah, K.Ananthajothi, D. Divya | Enhanced Smart Weather Prediction Through Advanced Atmospheric Analysis and Forecasting Technique Using Binarized Spiking Neural Netwroks | Knowledge and Information Systems |
| 96 | CSE | D.Divya, Annamalai Pandiaraj, Chinnaraj Govindasamy | Border Collie Optimization Algorithm for Twitter Sentiment Classification Based on Enhanced Elman Spike Neural Network | International Journal of Mobile Communications (InderScience Publisher) |
| 97 | CSE | Chakaravarthi Sivanandam, Bangaru kamatchi Seethapathy, D Divya | HBO-BiLSTM: Hybrid Bat Optimizer Based Bidirectional Long Short Term Memory for Secure Web Service Recommendation | Wireless Networks (Springer) |
| 98 | CSE | Dr.T.Dhanalakshmi | Knowlegde Graph Generation for Research Articles | Mapna Journal of Sciences |
| 99 | CSE | Dr.D.Divya | Advancing Agriculture with CNN for Timely Leaf Disease Detection and Enhance Crop Production | Mapna Journal of Sciences |
| 100 | CSE | K.Shenbagavalli | Navigating the Future with YOLOv9 for Advanced Traffic Sign Recognition in Autonomous Vehicles | International Journal of computational and experimental science and engineering |
| 101 | CSE | Ms.M Vanitha Sheba | Entertainment analysis in gaming model for business management with decision making and Machine learning model | Entertainment Computing,Elsivier |

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| 102 | ECE | Radhika R, Sofia Bobby J, Sheeja V Francis, Femina M A, | Towards accurate diagnosis: Exploring knowledge distillation and self–attention in multimodal medical image fusion, | Journal of Experimental & Theoretical Artificial Intelligence, Taylor & Francis • ( online )Oct 2024 |
| 103 | ECE | Sundarapandian VAIDYANATHAN , Aceng SAMBAS,Irene M. MOROZ , Chittineni ARUNA , MohamadAfendee MOHAMED and Arun SUNDARAM | Anewchaotic hyperjerk system with four quadratic nonlinearities, its bifurcation analysis, multistability, circuit design and complete synchronization design via active backstepping contro | Archives of Control Sciences |
| 104 | ECE | S. Arunkumar, M. V. Sheba, S. U. Naidu, V. B. Vijayan, S. Arun and R. Thiagarajan | Seamless Wi-Fi Integration Enhancing the Experimental Model of Smart Car Parking Systems with IoT and Modulated Sensors | IEEE Conference Proceedings |
| 105 | ECE | Bijee Lakshman R. Vanitha; R. Vasuki; Satyajit S. Uparkar; S. Arun; R. Thiagarajan | A Comprehensive Evaluation of Face Mask Identification System using Modified Deep Learning Methodology | IEEE Conference Proceedings |
| 106 | ECE | P. Pakutharivu, P. Mahalakshmi, B. P. Saoji, A. Padmashree, R. Thiagarajan and S. Arun | IIoTHRT: Experimental Analysis of Heart Rate Tracking Methodology Using Intelligent Sensors and Internet of Things Assistance | IEEE Conference Proceedings |
| 107 | ECE | V. S. Prakash, R. Vanitha, S. V. Nikam, V. Athappan, R. Krishnamoorthy and S. Arun | Revolutionizing Agriculture: Artificial Intelligence Assisted Plant Leaf Disease Detection using Deep Learning Principles | IEEE Conference Proceedings |
| 108 | ECE | K. Janaki,Maya Eapen,M.Minu Meera,Manisha Amol Bhendale,S Arun,R. Krishnamoorthy | Enhancing Environmental Safety: Design and Development of IoT based Air Quality Monitoring System | CSDL Proceedings |
| 109 | ECE | N. Shanmugapriya, D. Divya, M. P. Maharajan, M. V, S. Arun and R. Krishnamoorthy | Revolutionizing Innovation Design and Development of Human Detection and Rescue Robot Based on Internet of Things Association | IEEE Conference Proceedings |
| 110 | ECE | S. Nagaraj, R. Malathy and G. Merlin Sheeba, | Real Time Spatial Sound Scene Analysis-AlertNet, | IEEE Conference Proceedings |
| 111 | ECE | P. Ganesan, G. Merlin Sheeba, S. D. Manju, R. Murugesan, G. Sajiv & B. S. Sathish | " The Impact Analysis of the Effect of Noise in Natural Color Image Segmentation" | Lecture Notes in Electrical Engineering-Advances in Signal Processing and Communication Engineering |
| 112 | ECE | Aravind S Arun M Balasurya M Balaji S Sheeja V Francis | MARSHLAND AND ECOSYSTEM MONITORING USING IOT AND | International Conference on Recent Innovation and Developments in Engineering & Technology |

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| 113 | ECE | Dinakaran N,Shyam E, Sri Sarathy R, Sheeja V Francis | Automatic Smart seed sowing Robots | International Conference on Recent Innovation and Developments in Engineering & Technology |
| 114 | ECE | Ashraf,Mohan, Buelah, Merlin Sheeba G, | An IoT enabled service Robot for Elderly | International Conference on Recent Innovation and Developments in Engineering & Technology |
| 115 | ECE | Deepak,Krithi Mohan,Vishal, Merlin Sheeba G, | IoT based Smart Automated Level Crossing System | International Conference on Recent Innovation and Developments in Engineering & Technology |
| 116 | ECE | Santhosh Kumar K, Saranya D, Sunil N ,Bhavanisankari S | Implementing NFC Technology for Patient Monitoring | International Conference on Recent Innovation and Developments in Engineering & Technology |
| 117 | ECE | Kaarthick K ,Nithish Roy F, Sriniketh S, Bhavanisankari S | Development and Implementation of FPGA Based Hearing Aid for Real Time-Signals | International Conference on Recent Innovation and Developments in Engineering & Technology |
| 118 | ECE | Anu Shankari S, Bharathy.G.T | Discrete and Microstrip Couplers Design and Implementation for RF Application” | International Conference on Recent Innovation and Developments in Engineering & Technology |
| 119 | ECE | Suvetha Bharathi S, Christin Jessica, Dharani K, Bharathy.G.T | Smart Hydroponic Growing and Nutrient Delivery System | International Conference on Recent Innovation and Developments in Engineering & Technology |
| 120 | ECE | Shraven GS, Sai Pratap M, Ashwin G, T.Tamilselvi, | NeuroSync- Personalised Health Monitoring System | International Conference on Recent Innovation and Developments in Engineering & Technology |
| 121 | ECE | Ganesh kishore S,Kishor T, Shanmugaraj T, T.Tamilselvi | College Transport Tracking System (CTTS) | International Conference on Recent Innovation and Developments in Engineering & Technology |
| 122 | ECE | Raja Saranya K,Kousalya P,Rubini S | Enhance reading skills for Dyslexia children through audio mesurement | International Conference on Recent Innovation and Developments in Engineering & Technology |
| 123 | ECE | Raja Saranya K,Makesh Kumar S, Mathew Hyden A,Sabharish Raaja PM | Correlation of cloudburst and landslide | International Conference on Recent Innovation and Developments in Engineering & Technology |

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| 124 | ECE | Kanish Kumar P,Karthika P, Lekha Priya Dharshini, R.Malathy | Automated Battery Pack Assembly Using Robotic Manipulators | International Conference on Recent Innovation and Developments in Engineering & Technology |
| 125 | ECE | . S.A.Saranya, Sailesh & Chrisilda | Night Surveillance Drone | International Conference on Recent Innovation and Developments in Engineering & Technology |
| 126 | ECE | S.A.Saranya, Murali, Prathish & Tamilselvan | Wireless Charging System for E-Cycle | International Conference on Recent Innovation and Developments in Engineering & Technology |
| 127 | ECE | Chandramohan C,Gopikrishnan M, Kingson Thangaraj B,Lavanya S | Bus Detection device for blind people using RFID | International Conference on Recent Innovation and Developments in Engineering & Technology |
| 128 | ECE | Hariharan,Rashiga,Lavanya S | Enhanced Operational Efficiency and safety in Nuclear plant boilers through Digital Twin and IOT Integration | International Conference on Recent Innovation and Developments in Engineering & Technology |
| 129 | ECE | P Gnanasivam, M Akshaya, R Lokesh, B Keerthi Vani | AI Based Solar Powered Indoor and Outdoor Floor Cleaning Robot | Emerging Trends in Electronics, Communication and Computing Technology (NCETECCT, 2024), ISBN NO: 978-81-972500-6-4 |
| 130 | ECE | P Gnanasivam, R Malathy, A Maham Dharshini, M Ravena | Material Fabrication For Dropping Global Effect And Thermoelectric Regenerative System | Emerging Trends in Electronics, Communication and Computing Technology (NCETECCT, 2024), ISBN NO: 978-81-972500-6-4 |
| 131 | ECE | Sheeja V Francis, B Mahalakshmi, P Priyadharshini, M A Priyanka | Brain-Computer Interface for Emergency Response And Caretaker Communication System | Emerging Trends in Electronics, Communication and Computing Technology (NCETECCT, 2024), ISBN NO: 978-81-972500-6-4 |
| 132 | ECE | Sheeja V Francis, B Mahalakshmi, P Priyadharshini, M A Priyanka | Brain-Computer Interface for Emergency Response and Caretaker Communication System | Proceedings of 4th International Conference on Artificial Intelligence,5G Communications and Network Technologies (ICA5NT 2024) |
| 133 | ECE | S Arun, D Abinash A Antony, K Karthikeyan | Design and Implementation Of Smart Waste Separator Bin | Emerging Trends in Electronics, Communication and Computing Technology (NCETECCT, 2024), ISBN NO: 978-81-972500-6-4 |
| 134 | ECE | V.S. Prakash ; R. Vanitha ; Sudam Vasant Nikam ; V Athappan ; R. Krishnamoorthy ; S. Arun | Revolutionizing Agriculture: Artificial Intelligence Assisted Plant Leaf Disease Detection using Deep Learning Principles | 10th International Conference on Communication and Signal Processing (ICCSP) IEEE proceeding ISBN NO. 979-8-3503-5306-8 doi: 10.1109/ICCSP60870.2024.10543984. |

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| 135 | ECE | Bijee Lakshman; R. Vanitha; R. Vasuki; Satyajit S. Uparkar; S. Arun; R. Thiagarajan | A Comprehensive Evaluation of Face Mask Identification System using Modified Deep Learning Methodology | 10th International Conference on Communication and Signal Processing (ICCSP) IEEE proceeding ISBN NO. 979-8-3503-5306-8 doi: 10.1109/ICCSP60870.2024.10543322. |
| 136 | ECE | G Merlin Sheeba, T Bhumika, S Harikrishnan, G Keerthisree | Smart Wrist Band for Fitness Freaks | Emerging Trends in Electronics, Communication and Computing Technology (NCETECCT, 2024), ISBN NO: 978-81-972500-6-4 |
| 137 | ECE | G Merlin Sheeba, T Bhumika, S Harikrishnan, G Keerthisree | Smart Wrist Band for Fitness Freaks | 3rd National Conference on Recent Advances in Communicative Electronics (NCRACE 2024) |
| 138 | ECE | Nagaraj S, Merlin Sheeba G, Malathy R | A Review of Various Audio Feature Extraction Methods for Classification | Proceedings of 4th International Conference on Artificial Intelligence,5G Communications and Network Technologies (ICA5NT 2024) |
| 139 | ECE | N.A.Priyanka , G.Merlin Sheeba | Diagnosing Gastric Cancer Using A Tri-Algorithm | Proceedings of 4th International Conference on Artificial Intelligence,5G Communications and Network Technologies (ICA5NT 2024) |
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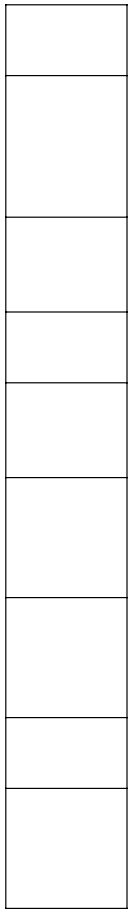
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