

R.M.K COLLEGE OF ENGINEERING AND TECHNOLOGY
RSM NAGAR, PUDUVOYAL- 601206

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

PAPER PUBLICATION BY FACULTY

Academic Year 2023-2024

1. **Samuda Prathima, Praveena N G, Sivachandar K**, Srigitha S Nath and Sarala B., "**Generic Paddy Plant Disease Detector (GP2D2): An Application of the Deep-CNN Model**" International Journal of Electrical and Computer Engineering Systems, Vol.14, No.6, P.No.613-622, July 2023, ISSN: 847-6996, (**WOS and SCOPUS**), DOI: <https://doi.org/10.32985/ijeces.14.6.4>
2. Ciyamala Kushbu S, **Inbamalar TM** and Sudha S., "**An efficient deep learning algorithm for the segmentation of cardiac ventricles**" International Journal of Imaging systems and Technology, July2023, ISSN: 1098-1098, (**WOS and SCOPUS**), DOI: <https://doi.org/10.1002/ima.22929>
3. **Shanthi KG, Sesha Vidhya S, Gangatharan N** and Harinee GA., "**Ultra-Wideband Flexible Antennas: Design, Performance and Integration for Wireless Body Area Network Applications**" International Journal of Microwave and Optical Technology, Vol.18, No.4, P.No.435-443, July 2023, ISSN:553-0396, (**SCOPUS**), DOI: <http://doi.org/10.1109/ICCESS57224.2023.10192628>
4. Emimal M, Jino Hans W, **Inbamalar TM**, Mahiban Lindsay N, Tejas NV, Sri Sudarsan TR and Surya Prakash B., "**Classification of EMG Signals for Myoelectric Prostheses with Feature Images**" IEEE Xplore-2023 4th International Conference for Emerging Technology (INCET), Belgaum, India, 2023, P.No.44931, July 2023, ISSN: 2473-2001, (**SCOPUS**), DOI: <http://doi.org/10.1109/INCET57972.2023.10170746>.
5. **Sthayaraj P**, Rukmani Devi S and **Kannan K.**, "**A Cooperative Attack Detection Framework for MANET-IOT Network Using Optimized Gradient Boosting Convolutional Neural Network**" Journal of Circuits, Systems and Computers, Vol.32, No.14, August2023, ISSN:1793-6454, (**WOS**), DOI: <https://doi.org/10.1142/S0218126623502274>
6. **Sesha Vidhya S**, Rukmani Devi S, and **Shanthi KG.**, "**Performance analysis of triple-band miniaturized hexagonal ultra-wide band antenna for wireless body worn applications**"

Automatika, Vol.64, No.4, August2023, ISSN: 0005-1144, (WOS), DOI:
<https://doi.org/10.1080/00051144.2023.2246246>

7. **Gangatharan N, Swetha Reddy A**, Saravanan C, Sairam Sathvik IV, Sabarish G and Sharun Krishnan U., "A Comprehensive System for Automated Pothole Detection and Vehicle Speed Management using CNN Technology" IEEE Xplore-2023 8th International Conference on Communication and Electronics Systems (ICCES), August 2023, ISSN: 2473-2001, (**SCOPUS**), DOI: <http://doi.org/10.1109/ICCES57224.2023.10192629>
8. **Inbamalar TM**, Amala Justus Selvam M, **Chettiar Vani Vivekanand**, **Arthi Devarani P** and Arun Prathap R., "Design and Development of Anti-Sleep Goggles for Drowsiness Detection while Driving to Avoid Accidents" IEEE Xplore-2023 International Conference on Innovations in Engineering and Technology (ICIET), August 2023, ISSN: 2473-2001, (**SCOPUS**), DOI: <http://doi.org/10.1109/ICIET57285.2023.10220709>
9. Shobana S, Shakunthala M, Vimala Josphine C and **Theodore Kingslin M.**, "IoT based on Smart Traffic Lights and Streetlight System" IEEE Conference Publication - IEEE Xplore, August 2023, ISSN: 2473-2001, (**SCOPUS**), DOI: <http://doi.org/10.1109/ICECAA58104>.
10. **Dhivya Kesavan**, Ezhumalai Periathambi, and **Arun Chockalingam.**, "A bipartite graph based proportional fair scheduling strategy to improve throughput with multiple resource blocks" International Journal of Electrical and Computer Engineering (IJECE), Vol.13, No.4, P.No.4280-4290, August 2023, ISSN:2088-8708, (**SCOPUS**), DOI: <http://doi.org/10.11591/ijece.v13i4. pp4280-4290>
11. Sathyakeerthi Madasamy, Nelson Kennedy Babu C, Sumathi V and **Arun Chokkalingam.**, "A Robust Image Registration Using Multi-Scale Feature Extraction Techniques Using Deep Learning" IEEE Xplore-4th International Conference on Smart Electronics and Communication (ICOSEC), Trichy, India, 2023, Kongunadu College of Engineering and Technology, P.No.1422-1427, September 2023, ISSN: 2473-2001, (**SCOPUS**), DOI: <http://doi.org/10.1109/ICOSEC58147.2023.10276299>
12. Thotakura Haritha, Archana Babu Thulasi Bai, Jayavel Sudhakar, **Kannan Krishnan**, Ramachandran Thandaiah Prabu, Karem Tarek Anwer and Amzad Hossain., "Efficient employment of VCSEL light sources in high-speed dispersion compensation system" Journal of Optical Communication, September 2023, ISSN:2191-6322, (**SCOPUS**), DOI: <http://doi.org/10.1515/joc-2023-0213>

13. **Kannan K**, Jagadesan A, Karthika G, Hemant Singh Pokhariya, Kaliappan S and Kanimozi KV., "**Design and Analysis of Optical Wireless Communication System**" IEEE Xplore-4th International Conference on Smart Electronics and Communication (ICOSEC), October 2023, ISSN: 2473-2001, (**SCOPUS**), DOI: <https://doi.org/10.1109/ICOSEC58147.2023.10276084>
14. Kannan Pauliah Nadar, Vanitha Jeyaprakasam, Inbamalar Tharcis Mariapushpam and **Chettiyar Vani Vivekanand**, "Design and Analysis of Microstrip Patch Antenna Array and Electronic Beam Steering Linear Phased Antenna Array with High Directivity for Space Applications" ACS Omega, Vol.8, No.45, November2023, ISSN:43197-43217, (WOS), DOI: <https://doi.org/10.1021/acsomega.3c06691>
15. Muneeswari G, Ahilan A, Rajeshwari R, **Kannan K** and John Clement Singh., "Trust And Energy-Aware Routing Protocol for Wireless Sensor Networks Based on Secure Routing" International Journal of Electrical and Computer Engineering Systems, Vol.14, No.9, November2023, ISSN:2088-8708, (WOS), DOI: <https://doi.org/10.32985/ijeces.14.9.6>
16. **Sathyaraj P**, Rukmani Devi S, **Kannan K**, Jarina Begum K, Vidya Sivalingam and Sushma Jaiswal., "Smart and secured data communication using modified AODV protocol over wireless communication network" AIP Conference Proceedings, November 2023, ISSN: (**SCOPUS**), DOI: <https://doi.org/10.1063/5.0151546>
17. **Shanthi KG**, Rukmani Devi S and **Sesha Vidhya S.**, "Predictive Analytics for Stress Management in the Digital Workplace Using IoT" IEEE Xplore-IEEE International Conference on Sustainable Communication Networks and Application (ICSCNA), November 2023, ISSN: 2473-2001, (**SCOPUS**), DOI: <http://doi.org/10.1109/ICSCNA58489.2023.10370408>
18. Prabaharan G, **Sesha Vidhya S**, Venkatesh K, Suma Christal Mary Sundararajan, Shobana G and Srimathi S., "Group Teaching Optimization Algorithm with Machine Learning Model for Big Data Analytics" IEEE Xplore-IEEE International Conference on Sustainable Communication Networks and Application (ICSCNA), November 2023, ISSN: 2473-2001, (**SCOPUS**), DOI: <http://doi.org/10.1109/ICSCNA58489.2023.10370497>
19. Emimal MW. Jino Hans, **Inbamalar TM** and Mahiban Lindsay N., "Multi-scale EMG classification with spatial-temporal attention for prosthetic hands" Computer Methods in Biomechanics and Biomedical Engineering, November2023, ISSN:1025-584, (WOS), DOI: <https://doi.org/10.1080/10255842.2023.2287419>
20. Latha P, Sumitra V, Snehitha Reddy T, Sunita Debbarma, Vijay Nath and **Kannagi V.**, "Optical Fiber Alignment Aid with Image Processing on FPGA-based System" IETE Journal of

21. Kannan Pauliah Nadar, Vanitha Jeyaprakasam, Inbamalar Tharcis Mariapushpam, **Chettiar Vani Vivekanand**, Anna Devi Eswaralingam, Magthelin Therase Louis, Jasmine Xavier Arul Raj, Hassen Ahmed Jibril, Andrews Sonia Chellappa, Rajesh Kannan Muthukutty and Saravanaram Gopalakrishnan., "Design and Analysis of Microstrip Patch Antenna Array and Electronic Beam Steering Linear Phased Antenna Array with High Directivity for Space Applications" ACS Omega, Vol.8, No.45, P.No. 43197–43217, November 2023, ISSN:2470-1343, (**SCOPUS**), DOI: <https://doi.org/10.1021/acsomega.3c06691>
22. Jai Ganesh Sekar, Ezhumalai Periyathambi and **Arun Chokkalingam**., "Hybrid chaos-based image encryption algorithm using Chebyshev chaotic map with deoxyribonucleic acid sequence and its performance evaluation" International Journal of Electrical and Computer Engineering (IJECE), Vol.13, No.6, P.No.6952-6963, December 2023, ISSN:2088-8708, (**SCOPUS**), DOI: <http://doi.org/10.11591/ijece.v13i6.pp.6952-6963>.
23. Ramachandran R, Gobalakrishnan N and **Chokkalingam Arun**., "Automatic approach to detect turner syndrome (TS) using hand x-rays based on feature extraction and principal component analysis (PCA)" AIP Conference Proceedings, December 2023, ISSN:, (**SCOPUS**), DOI: <https://doi.org/10.1063/5.0179013>
24. **Inbamalar TM**, Sarala B, Anna Devi E, Amala Justus Selvam M, **Chettiar Vani Vivekanand** and Mohamed Aslam A., "An efficient IOT based system for Monitoring and Prediction of Myocardial Infarction" IEEE Xplore-4th International Conference on Communication, Computing and Industry 6.0, C216 2023, December 2023, ISSN: 2473-2001, (**SCOPUS**), DOI: <https://doi.org/10.1109/C2I659362.2023.10431314>
25. **Chettiar Vani Vivekanand**, **Inbamalar TM**, Amala Justus Selvam M, Monika Devi A, Mohanambikai A, and Pooia Shree K., "DeepDrive: Innovations in Distance Detection and Inter vehicle Communication Through Deep Learning" IEEE Xplore-4th International Conference on Communication, Computing and Industry 6.0, C216 2023, December 2023, ISSN: 2473-2001, (**SCOPUS**), DOI: <https://doi.org/10.1109/C2I659362.2023.10430712>
26. Kavitha MS, Mahalakshmi P, **Manimegalai L**, and Sundaramoorthi S., "AI implementation techniques for finding earth's frozen zones" Novel AI Applications for Advancing Earth Sciences, IGI Global, December 2023, ISSN:1942-9045, (**SCOPUS**), DOI: <http://doi.org/10.4018/979-8-3693-1850-8>

27. Hemalatha R, **Sangeethalakshmi K**, Venkatesan M, Anitha D and Srinivasan C, "Sentinel Rover: Cutting-Edge Wireless Mine Detection and Alert System for High-Risk Terrains" IEEE Xplore-IEEE International Conference on Self Sustainable Artificial Intelligence Systems, ICSSAS 2023 - Proceedings, 2023,, P.No.1632–1636, December 2023, ISSN: 2473-2001, (**SCOPUS**), DOI: <https://doi.org/10.1109/ICSSAS57918.2023.10331842>
28. **Sangeethalakshmi K**, Sasi Kumar C, Lakshmi VV, Malathi N, and Velmurugan S., "Smart Biomechanics System with IoT and Cloud Computing for Injury Prevention and Muscle Fatigue Analysis" IEEE Xplore-International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON), December 2023, ISSN: 2473-2001, (**SCOPUS**), DOI: <https://doi.org/10.1109/SMARTGENCON60755.2023.10442220>
29. David Neels Ponkumar D, Vimala Josphine C, Narendrakumar A, and **Theodore Kingslin M.**, "A WSN-Based Correlation Assessment for a Multi Target Recognition Protection System's Sleep Scheduling Mechanism" European Chemical Bulletin., Vol.12, No.2023, P.No.2672-2684, December 2023, ISSN:2063-5346, (**SCOPUS**), DOI: <http://doi.org/10.48047/ecb/2023.12.8.219>
30. Anu Priya S, Rajesh Kanna B, Beaulah Jeyavathana R, Niyati Bhat, **Rajalakshmi S** and Srimathi S., "Employing a deep learning technique to categorize Internet of Things (IoT) traffic in a smart city context" IEEE Xplore-2023 International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE), January 2024, ISSN: 2473-2001, (**SCOPUS**), DOI: <http://doi.org/10.1109/RMKMATE59243.2023.10369159>
31. Sahaya Pushpa Sarmila Star C, Milton A and **Inbamalar TM.**, "An improved semantic segmentation for breast lesion from dynamic contrast enhanced MRI images using deep learning" International Journal of Imaging Systems and Technology, January2024, ISSN:1098-1098, (WOS), DOI: <https://doi.org/10.1002/ima.23026>
32. Prem Nath Suman, Jyotsana Kumari, Nikhat Anjum, Anisha Kiran, **Muthumanickam S**, Amrita Rai, Sunita Debbarma, Sanjeev Kumar, Mukesh Kumar Ojha, Vijay Nath and Gajendra Kant Mishra., "Design and Development of Metamaterial Absorber for IoT Applications" IETE Journal of Research, January2024, ISSN:0377-2063, (WOS), DOI: . <https://doi.org/10.1080/03772063.2024.2307426>
33. **Dhivya K**, Premkumar SJ, Balasaranya K and Dhanalakshmi S., "Untrustworthy Mobile Node Isolation by Belief Factor in Autonomous Mobile Network" IEEE Xplore-2nd International Conference on Edge Computing and Applications (ICECAA), Namakkal, India, 2023, P.No.177-

34. Prabaharan G, **Manimegalai L**, Sivaraman R, Uma Maheswari S, Kamal Raj T and Prakash Kumar PS., "**Rat Swarm Optimizer with Graph Convolutional Neural Network Based Waste Object Detector and Classification**" IEEE Xplore-2023 International Conference on Sustainable Communication Networks and Application (ICSCNA) IEEE, January 2024, ISSN: 2473-2001, (**SCOPUS**), DOI: <http://doi.org/10.1109/ICSCNA58489.2023.10370405>
35. Jeno Jasmine J, Padmavathi N, **Theodore Kingslin M** and Faiz Akram., "**Reinforcement learning-based earth observation system**" IGI global publishing tomorrow's research today, P.No.52-68, January 2024, ISSN:1942-9045, (**SCOPUS**), DOI: <http://doi.org/10.4018/979-8-3693-1850-8.c004>
36. **Sesha Vidhya S**, Swagata Sarkar, Rashmi BR, Suseendra R, Prakash Kumar PS and Srimathi S., "**Advanced Deep Learning Method for Thyroid Nodule Detection and Evaluation in Ultrasound Images**" IEEE Xplore-2024 2nd International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT), REVA University Bengaluru, India, P.No.616-621, January 2024, ISSN: 2473-2001, (**SCOPUS**), DOI: <http://doi.org/10.1109/IDCIoT59759.2024.10467796>
37. Emimal M, Hans, WJ, **Inbamalar TM** and Lindsay NM., "**Classification of EMG signals with CNN features and voting ensemble classifier**" Computer Methods in Biomechanics and Biomedical Engineering, February 2024, ISSN: 1025-584, (**WOS**), DOI: <https://doi.org/10.1080/10255842.2024.2310726>
38. **Shanthi KG**, Mary Joy Kinol A, Santhi S and **Kannan K.**, "**Real-time FPGA Integration for ECG Monitoring: Bidirectional Recurrent Chimp Search Model**" IETE Journal of Research, February 2024, ISSN:0377-2063, (**SCI**), DOI: <https://doi.org/10.1080/03772063.2024.2311744>
39. Kasiviswanathan, **Sivachandar K**, Vijayan, and Thulasi Bai B., "**Examining different cost ratio frameworks for decision rule machine learning algorithms in diagnostic application**", P.No. 293-302, February 2024, ISSN: 0928-7329, (**SCI**), DOI: <https://content.iospress.com/articles/technology-and-health-care/thc231946>
40. Emimal MW, Jino Hans, **Inbamalar TM** and Mahiban Lindsay N., "**Enhancing Myoelectric Signal Classification Through Conditional Spectral Moments and Wavelet-Enhanced Time-Domain Descriptors**" International Information Engineering Technology Association, P.No.293-302, February 2024, ISSN:0765-0019, (WOS), DOI: <https://doi.org/10.18280/ts.410124>

41. Nagasundaram S, Sindhuja R, Rajesh Kanna B, **Rajalakshmi S** Shobana G and Aviral Srivastava., "Securing IoT-Edge Networks: Federated Deep Learning for Botnet Detection" IEEE Xplore-2023 7th International Conference on Electronics, Communication and Aerospace Technology (ICECA), February 2024, ISSN: 2473-2001, (**SCOPUS**), DOI: <http://doi.org/10.1109/ICECA58529.2023.10395637>
42. **Sathyaraj P**, Sudharshanam V, Navarajan J and Vijayalakshmi P., "Business Intelligence using Recurrent Neural Networks (RNN) Techniques for Social Media Contents" International Journal on Image and Video Processing, February 2024, ISSN:0976-9102, (**SCOPUS**), DOI: <http://doi.org/10.1007/s10586-022-03626-y>
43. Hemalatha S, Sree Divya K, Venkatagurunatham Naidu Kollu, Shaik Shafi, **Chettiar Vani Vivekanand**, GVikram, Ramu Kuchipudi, Prof Rajesh Pchinchewadi., "An improved mutual exclusion MAC protocol for MAC layer in MANET to overcome hidden and exposed terminal problem" Journal of Theoretical and Applied Information, Vol.102, No.4, P.No.1627–1636, February 2024, ISSN: 1992-8645, (**SCOPUS**), DOI: <https://www.jatit.org/volumes/Vol102No4/27Vol102No4.pdf>
44. Vijila Rani K, Sumathy G and **Sivalakshmi P.**, "Gaussian weighting-based random walk segmentation and DCNN method for brain tumor detection and classification" Multimedia Tools and Applications, February 2024, ISSN:1573-7721, (**SCOPUS**), DOI: <http://doi.org/10.1007/s11042-024-18996-1>
45. Abdullahi Adan Omar, Kannan Pauliah Nadar, **Chettiar Vani Vivekanand**, Anna Devi E, Jasmine Xavier A, **Inbamalar TM**, Magthelin Therase L, Vanitha J, Andrews Sonia C and Binisha Rose J., "Performance evaluation of pair selection algorithms in device-to-device communication using relay-assisted techniques" Eurasip Journal on Wireless Communications and Networking, Vol.15, No.2024, P.No.1687-1472, March2024, ISSN:0377-2065, (WOS), DOI: <https://doi.org/10.1186/s13638-024-02336-w>
46. **Shanthi KG**, Kavitha MS, Rajeswari P, Jayanthi N, Sunil Kumar and Lalitha SD., "Latency Reduction in mm Wave VLSI Circuits through Gravitational Learning" IEEE Xplore-2023 International Conference on Advances in Computation, Communication and Information Technology (ICAICCIT), P.No.1197-1202, March 2024, ISSN: 2473-2001, (**SCOPUS**), DOI: <https://doi.org/10.1109/ICAICCIT60255.2023.10466077>

47. **Sesha Vidhya Sudharsanam**, Rukmani Devi and **Shanthi KG.**, "Optimized Microstrip Antenna Design Incorporating Split Ring Resonator and Modified Ground Plane for WiMAX /WLAN Connectivity" International Journal of Microwave and Optical Technology, Vol.19, No.2, P.No.203-209, March 2024, ISSN:1553-0396, (**SCOPUS**), DOI: <https://doi.org/10.1109/ICAICCIT60255.2023.10466077>
48. **Shanthi KG**, Jayanthi N, Mohammed Ali Sohail, Dinesh Babu M, Chairma Lakshmi KR and Mritthula B., "Latency Minimization in 5G Network Backhaul Links Using Chaotic Algorithms" IEEE Xplore-2023 International Conference on Advances in Computation, Communication and Information Technology (ICAICCIT), P.No.630-635, March 2024, ISSN: 2473-2001, (**SCOPUS**), DOI: <https://doi.org/10.1109/ICAICCIT60255.2023.10465936>
49. Abdullahi Adan Omar, Kannan Pauliah Nadar, **Chettiyar Vani Vivekanand**, Anna Devi, Jasmine Xavier A, **Inbamalar TM**, Magthelin Therase L, Vanitha J, Andrews Sonia C and Binisha Rose J., "Performance evaluation of pair selection algorithms in device-to-device communication using relay-assisted techniques" Eurasip Journal on Wireless Communications and Networking Vol.2024(1), No.15, March 2024, ISSN:1687-1499, (**SCOPUS**), DOI: <https://doi.org/10.1186/s13638-024-02336-w>
50. Santhi Karuppiyah, Anuradha T, **Sivachandar K**, Thyla B, Dhivya D and Jose Anand A., "Conceptualization of a Cardiac Monitoring System via Bluetooth Communication Protocol to Mobile Devices" IEEE Xplore-2024 2nd International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT), March 2024, ISSN: 2473-2001, (**SCOPUS**), DOI: <https://doi.org/10.1109/IDCIoT59759.2024.10467457>
51. **K Kannan** S, Kavitha, Rajinikanth EG Sowmiya and Dinesh Mavaluru., "Measurements and Monitoring of Network Performance for Routing Protocols in Wireless Sensor Networks" IEEE Xplore-2023 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), March 2024, ISSN: 2473-2001, (**SCOPUS**), DOI: <https://doi.org/10.1109/ICSES60034.2023.10465546>
52. **K Kannan**, Divya G, Chithra L, **Aruna V** and Mohanavel V., "ARITM: A Perceptual Quality Magnification of Noise Suppressed Digital Images using Adaptive Recursion and Image Transformation Model" IEEE Xplore-2023 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), March 2024, ISSN: 2473-2001, (**SCOPUS**), DOI: <https://doi.org/10.1109/ICSES60034.2023.10465568>

53. Vijayalakshmi S, Bindu Madhavi, Jayanthi N, Bansode GS, Nitin Sharma and **Shanthy KG**,, "**Smart Education with IOT And AI: Revolutionizing Learning In The Digital Age**" IEEE Xplore-2024 2nd International Conference on Disruptive Technologies (ICDT), Greater Noida, India, P.No.1282-1286, April 2024, ISSN: 2473-2001, (**SCOPUS**), DOI: <https://doi.org/10.1109/ICDT61202.2024.10489741>
54. Abdelmounim Hmamou, Jamal Mestoui, Tanvir Islam, Mohammed El Ghzaoui, **Narayanan Gangatharan** and Sudipta Das., "**Analysis of MIMO Channel Capacity for Terahertz Communication Systems**" Progress in Electromagnetics Research C, Vol.142, P.No.151-160, April 2024, ISSN:1937-8718, (**SCOPUS**), DOI: <https://doi.org/10.2528/PIERC24022202>
55. **Manimegalai L**, Daniel Nareshkumar M, Saravanan T, Rajarajeswari S, Samuthira Pandi and Potharaju Yakaiah., "**A Logical Network Performance Improvement Design based on 6G Communication Support over WSN Framework**" IEEE Xplore-2023 Global Conference on Information Technologies and Communications (GCITC), April 2024, ISSN:2473-2001, (**SCOPUS**), DOI: <https://doi.org/10.1109/GCITC60406.2023.10426463>
56. Rukmani Devi D, **Theodore Kingslin M**, Vimala Josphine C, Kirankumar Manivannan, Rajavel A and Ramalakshmi R., "**Deep Learning and IoT for COVID Detection and Health Monitoring**" IEEE Xplore-2023 3rd International Conference on Innovative Mechanisms for Industry Applications (ICIMIA), April 2024, ISSN:2473-2001, (**SCOPUS**), DOI: <https://doi.org/10.1109/ICIMIA60377.2023.10425925>
57. Billa Pardhasaradhi, Shilaja C, Nalinashini G, Padmavathi N and **Theodore Kingslin M**., "**An Indeterminate Configuration for Energy Management in FCHEV System**" IEEE Xplore-2024 2nd International Conference on Disruptive Technologies (ICDT), April 2024, ISSN:2473-2001, (**SCOPUS**), DOI: <https://doi.org/10.1109/ICDT61202.2024.10489679>
58. Geetha Ponnaian, Jayanthi N, Sarasu R, Sajitha LP, Ramalakshmi R and **Manimegalai L**., "**Robust Spectral Efficiency Maximization in 5G Networks Using Non-Linear Stochastic Precoding**" IEEE Xplore-2024 2nd International Conference on Disruptive Technologies (ICDT), April 2024, ISSN: 2473-2001, (**SCOPUS**), DOI: <https://doi.org/10.1109/ICDT 61202.2024.10489234>
59. Ramakrishnan Raman, **Dhivya K**, Pooja Sapra, Shashikala Gurpur, Maniraj SP and Murugan S., "**IoT-driven Smart Packaging for Pharmaceuticals: Ensuring Product Integrity and Patient Safety**" IEEE Xplore-2023 International Conference on Artificial Intelligence for Innovations in Healthcare Industries (ICAIIHI), April 2024, ISSN: 2473-2001, (**SCOPUS**), DOI: <https://doi.org/10.1109/ICAIIHI57871.2023.10489420>

60. **Sangeethalakshmi K**, Kumar C, Vidya V Lakshmi GS, Malathi N and Velmurugan S., "Smart Ergonomic Practices with IoT and Cloud Computing for Injury Prevention and Human Motion Analysis," IEEE Xplore-2023 International Conference on Artificial Intelligence for Innovations in Healthcare Industries (ICAIHI), Raipur, India, 2023, pp. 1-6, April 2023, ISSN:2473-2001, (**SCOPUS**), DOI: <https://doi.org/10.1109/ICAIHI57871.2023.10489748>.
61. Kaur C, Verma KK, Islam T, Madhav BTP, **Praveena NG** Das S and Rao GS., "Analysis of Compact Quadruplet Arrow Slotted Notch Band Antenna with Defected Ground Structure" Journal of Nano- and Electronic Physics, Vol.16, No.2, April 2023, ISSN:2077-6772, (**SCOPUS**), DOI: [https://doi.org/10.21272/jnep.16\(2\).02029](https://doi.org/10.21272/jnep.16(2).02029)
62. **Shanthi Komatnani Govindan**, Hema Vijayaraghavan, Kolandairaj Kishore Anthuvan Sahayaraj and Alphonse Mary Joy Kinol., "Optimizing Internet-Wide Port Scanning for IoT Security and Network Resilience: A Reinforcement Learning-Based Approach in WLANs with IEEE 802.11ah" Fiber and Integrated Optics, Vol.43, No.2024, May2024, ISSN:0146-8030, (**SCIE**), DOI: <https://doi.org/10.1080/01468030.2024.2342275>