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## DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

### CONFERENCE PUBLICATIONS

**AY2024-25**

| S.N<br>O. | NAME OF THE<br>FACULTY | TITLE OF PAPER                                                                                                                      | CONFERENCE/<br>BOOK CHAPTER<br>TITLE                                                                    | INDEXED<br>(SCOPUS<br>/WOS) | LINK                                                                                                                                      |
|-----------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 1.        | Dr.S.Malathi et.al.,   | An Intelligent Framework of Microcalcifications Breast Cancer Detection using Heuristic Approach aided Residual Attention Network   | 2nd IEEE International Conference on Integrated Intelligence and Communication Systems, ICHICS 2024     | SCOPUS                      | <a href="https://www.scopus.com/authid/detail.uri?authorId=57195331995">https://www.scopus.com/authid/detail.uri?authorId=57195331995</a> |
| 2.        | Dr.S.Malathi et.al.,   | Video Surveillance Based Facial Recognition For Real-Time Delivery Person Authentication                                            | 6th International Conference on Intelligent Computing, IConIC2K 2023                                    | SCOPUS                      | <a href="https://www.scopus.com/authid/detail.uri?authorId=57195331995">https://www.scopus.com/authid/detail.uri?authorId=57195331995</a> |
| 3.        | Dr.S.Malathi et.al.,   | Optimizing constructin and demolition waste segmentation using advanced deep learning techniques(semantic vs instance segmentation) | 7th IEEE International Conference on Emerging Smart Computing and Informatics, ESCI 2025                | SCOPUS                      | <a href="https://www.scopus.com/authid/detail.uri?authorId=57195331995">https://www.scopus.com/authid/detail.uri?authorId=57195331995</a> |
| 4.        | Dr.S.Malathi et.al.,   | Seizure Detection Using AI Algorithms                                                                                               | 6th International Conference on Intelligent Computing, IConIC2K 2023                                    | SCOPUS                      | <a href="https://www.scopus.com/authid/detail.uri?authorId=57195331995">https://www.scopus.com/authid/detail.uri?authorId=57195331995</a> |
| 5.        | Dr.S.Malathi et.al.,   | Openai-Enhanced Personal Desktop Assistant: A Revolution In Human-Computer Interaction                                              | nd International Conference on Emerging Trends in Information Technology and Engineering, ic-ETITE 2024 | SCOPUS                      | <a href="https://www.scopus.com/authid/detail.uri?authorId=57195331995">https://www.scopus.com/authid/detail.uri?authorId=57195331995</a> |
| 6.        | Dr.K.Jayashree.et.al., | Evaluation of Logistic Regression and Decision Tree Models for Lung Cancer Prediction Using Survey Data                             | IEEE International Conference on Electronic Systems and Intelligent Computing, ICESIC 2024              | SCOPUS                      | <a href="https://www.scopus.com/authid/detail.uri?authorId=55492906800">https://www.scopus.com/authid/detail.uri?authorId=55492906800</a> |
| 7.        | Dr.K.Jayashree.et.al., | Prediction Of Oral Cancer With CT Scanned Images And Dysplasia Slides Using Machine Learning Algorithm                              | 6th International Conference on Intelligent Computing, IConIC2K 2023                                    | SCOPUS                      | <a href="https://www.scopus.com/authid/detail.uri?authorId=55492906800">https://www.scopus.com/authid/detail.uri?authorId=55492906800</a> |



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| 8.  | Dr.K.Jayashree.et.al.,       | Smart Attendance System Using Facial Recognition And Visualizing                             | 6th International Conference on Intelligent Computing, IConIC2K 2023                                          | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=55492906800">https://www.scopus.com/authid/detail.uri?authorId=55492906800</a> |
| 9.  | Dr.K.Jayashree.et.al.,       | Student Placement Prediction Sytem Using Machine Learning                                    | 6th International Conference on Intelligent Computing, IConIC2K 2023                                          | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=55492906800">https://www.scopus.com/authid/detail.uri?authorId=55492906800</a> |
| 10. | Dr. S.Chakaravarthi, et.al., | Cryptocurrency Dynamics: An Analytical Exploration                                           | 2nd International Conference on Emerging Trends in Information Technology and Engineering,                    | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=56048705100">https://www.scopus.com/authid/detail.uri?authorId=56048705100</a> |
| 11. | Dr. S.Chakaravarthi, et.al., | Employee Attrition Analysis Using Machine Learning                                           | 2nd International Conference on Emerging Trends in Information Technology and Engineering,                    | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=56048705100">10.1109/ic-ETITE58242.2024.10493429</a>                           |
| 12. | Dr. S.Chakaravarthi, et.al., | Deep Learning Approaches for Detecting Glaucoma                                              | 15th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2024 | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=56048705100">https://www.scopus.com/authid/detail.uri?authorId=56048705100</a> |
| 13. | Dr. S.Chakaravarthi, et.al., | A Study on Cyber Crimes, Cyber Attacks and Prevention Methods                                | 6th International Conference on Intelligent Computing, IConIC2K 2023Chennai28 April 2023through 29 April 2023 | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=56048705100">https://www.scopus.com/authid/detail.uri?authorId=56048705100</a> |
| 14. | Dr. S.Chakaravarthi, et.al., | Enhancing Accuracy in Detecting Objects in Video Surveillance System using Transfer Learning | 2024 International Conference on Cybernation and Computation (CYBERCOM)                                       | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=56048705100">https://www.scopus.com/authid/detail.uri?authorId=56048705100</a> |
| 15. | Dr. S.Chakaravarthi, et.al., | A Study of Selective Mental State Detection Algorithms                                       | 6th International Conference on Intelligent Computing, IConIC2K 2023Chennai28 April 2023through 29 April 2023 | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=56048705100">https://www.scopus.com/authid/detail.uri?authorId=56048705100</a> |
| 16. | Dr. S.Chakaravarthi, et.al., | Eyeconic for Blind                                                                           | 6th International Conference on Intelligent Computing, IConIC2K 2023                                          | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=56048705100">https://www.scopus.com/authid/detail.uri?authorId=56048705100</a> |



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| 17.  | Dr. S.Chakaravarthi, et.al., | Driver Drowsiness Detection System                                                                                                                      | 6th International Conference on Intelligent Computing, IConIC2K 2023                                              | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=5604870510">https://www.scopus.com/authid/detail.uri?authorId=5604870510</a>   |
| 18.. | Dr. W.Gracytheresa, et.al.,  | Deep E-Cue: Systematic Deep Network for Multimodal Emotional Cues Recognition in Email Communication                                                    | 2024 4th International Conference on Ubiquitous Computing and Intelligent Information Systems (ICUIS)             | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=57200211657">https://www.scopus.com/authid/detail.uri?authorId=57200211657</a> |
| 19.  | Dr. W.Gracytheresa, et.al.,  | Mental fitness analysis and tracking system using exploratory data analysis[EDA] and regression supervised algorithm                                    | 3rd International Conference on Sentiment Analysis and Deep Learning, ICSADL 2024                                 | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=57200211657">https://www.scopus.com/authid/detail.uri?authorId=57200211657</a> |
| 20.  | Dr.S.Kalaimagal,et, al.,     | Identifying COVID-19 Presence based on CT-SCAN Images                                                                                                   | Proceedings of the 5th International Conference on Smart Electronics and Communication, ICOSEC 2024               | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=24399073900">https://www.scopus.com/authid/detail.uri?authorId=24399073900</a> |
| 21.  | Dr.S.Kalaimagal,et, al.,     | Optimizing the Allocation of Dynamic Workloads in Cloud Infrastructure through the Use of Machine Learning for Cost-Effective Cloud Resource Management | 2025 International Conference on Intelligent Control, Computing and Communications (IC3), Mathura, India, 2025    | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=24399073900">https://www.scopus.com/authid/detail.uri?authorId=24399073900</a> |
| 22.  | Dr.S.Kalaimagal,et, al.,     | Implementation of Multi-Format EXIF Metadata Extraction from Images                                                                                     | 2024 First International Conference on Data, Computation and Communication (ICDCC), Sehore, India, 2024,          | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=24399073900">https://www.scopus.com/authid/detail.uri?authorId=24399073900</a> |
| 23.  | Dr.S.Leelavathy, et, al.,    | Machine Learning based Portable Executable Malware and DDoS Attacks Detection in IoT Networks                                                           | Conference on Intelligent Computing and Control Systems, ICICCS 2025 Erode 19 May 2025 to 21 May 2025 Code 208834 | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=57218885475">https://www.scopus.com/authid/detail.uri?authorId=57218885475</a> |



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| 24.. | Dr. S.Hemamalini,et.al.,   | Artificial Intelligence Support for the Prompt Identification and Understanding of the Broader Spectrum of Autism in Children | Proceedings of 5th International Conference on IoT Based Control Networks and Intelligent Systems, ICICNIS 2024                 | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=57921338200">https://www.scopus.com/authid/detail.uri?authorId=57921338200</a> |
| 25.  | Dr. S.Hemamalini, et.al.,  | Water Leakage Control Device in Metro Water Pipeline                                                                          | Proceedings of the International Conference on Multi-Agent Systems for Collaborative Intelligence, ICMSCI 2025                  | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=57921338200">https://www.scopus.com/authid/detail.uri?authorId=57921338200</a> |
| 26.  | Dr.E.Bhuvaneswari,et.al.,  | Smart Detection Framework for Rapid Emergency Response                                                                        | 2nd International Conference on Sustainable Computing and Smart Systems (ICSCSS)                                                | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=57224616436">https://www.scopus.com/authid/detail.uri?authorId=57224616436</a> |
| 27.  | Dr. S.Renuga, et.al.,      | Exploring the Role of Internet of Things in Wireless Sensor Networks for Industry 4.0 Applications                            | 1st International Conference on Pioneering Developments in Computer Science and Digital Technologies, IC2SDT 2024 - Proceedings | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=59378347100">https://www.scopus.com/authid/detail.uri?authorId=59378347100</a> |
| 28.  | Dr. S.Renuga, et.al.,      | Integrating Artificial Intelligence and Multiple Intelligences for Advanced Educational Models                                | 2024 International Conference on Electrical, Electronics and Computing Technologies, ICEECT 2024                                | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=59378347100">https://www.scopus.com/authid/detail.uri?authorId=59378347100</a> |
| 29.  | Dr.C.Bharanidharan et.al., | Astute Mirror                                                                                                                 | 6th International Conference on Intelligent Computing, IConIC2K 2023                                                            | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=57232395000">https://www.scopus.com/authid/detail.uri?authorId=57232395000</a> |
| 30.  | Mrs.S.Vimala, et.al.,      | Retinal scan authentication methodology for card payment in retail outlets                                                    | 6th International Conference on Intelligent Computing, IConIC2K 2023                                                            | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=38661996500">https://www.scopus.com/authid/detail.uri?authorId=38661996500</a> |
| 31.  | Mrs.S.Vimala, et.al.,      | Virtual Persona In E-Commerce And Its Engagement With Customer In XR                                                          | 6th International Conference on Intelligent Computing, IConIC2K 2023                                                            | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=38661996500">https://www.scopus.com/authid/detail.uri?authorId=38661996500</a> |



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| 32. | Mrs.S.Vimala, et.al., | ATM Skimming Device Detection Using IOT                                                                                                   | 6th International Conference on Intelligent Computing, IConIC2K 2023                                                                                 | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=38661996500">https://www.scopus.com/authid/detail.uri?authorId=38661996500</a> |
| 33. | Mrs.S.Vimala, et.al., | Optimizing Healthcare Delivery With Seamless Integration Of Clinical Decision Supporter And EHR Systems                                   | 6th International Conference on Intelligent Computing, IConIC2K 2023                                                                                 | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=38661996500">https://www.scopus.com/authid/detail.uri?authorId=38661996500</a> |
| 34. | Mrs.S.Vimala, et.al., | Security advancement of LMVs with the help of biometric analysis system                                                                   | 5th International Conference on Intelligent Computing, 2022                                                                                          | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=38661996500">https://www.scopus.com/authid/detail.uri?authorId=38661996500</a> |
| 35. | Mr.C.Vivek, et.al.,   | Exploring The Integration Of AR/VR Technologies In Omic Sciences: A New Dimension In Education And Research                               | 6th International Conference on Intelligent Computing, IConIC2K 2023                                                                                 | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=58733881200">https://www.scopus.com/authid/detail.uri?authorId=58733881200</a> |
| 36. | Mr.C.Vivek, et.al.,   | IoT Based Smart Parking System                                                                                                            | 6th International Conference on Intelligent Computing, IConIC2K 2023                                                                                 | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=58733881200">https://www.scopus.com/authid/detail.uri?authorId=58733881200</a> |
| 37. | Mr.C.Vivek, et.al.,   | Theft detection with computer vision technique using Yolo-V7 algorithm                                                                    | 6th International Conference on Intelligent Computing, IConIC2K 2023                                                                                 | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=58733881200">https://www.scopus.com/authid/detail.uri?authorId=58733881200</a> |
| 38. | Mr.C.Vivek, et.al.,   | Analysis of Algorithms Of Machine Learning Applied To The Assignment Of Resources In The Grid Of Access For 5G Networks With Segmentation | 2024 1st International Conference on Sustainability and Technological Advancements in Engineering Domain, SUSTAINED 2024                             | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=58733881200">https://www.scopus.com/authid/detail.uri?authorId=58733881200</a> |
| 39. | Mrs.R.Priya, et.al.,  | Enhancing Glass Fiber-Reinforced Composites: Carbon Nanostructures Using Alternative Catalysts for Improved Interfacial Bonding           | International Conference on Newer Engineering Concepts and Technology, ICONNECT 2024 Tiruchirappalli 28 March 2024 through 29 March 2024 Code 208226 | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=57956420700">https://www.scopus.com/authid/detail.uri?authorId=57956420700</a> |



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| 40. | Mrs.R.Priya,et.al.,              | Enhancing Mechanical Properties Of Composite Resin/Hydroxyapatite Nanocomposite For Dental And Orthopedic Applications: Synthesis, Characterization, And Bioactivity Assessment | 2024 International Conference on Innovations in Thermal, Manufacturing, Structural, and Environmental Engineering, ICITMSEE 2024 | SCOPUS | <a href="https://www.scopus.com/authorid/detail.uri?authorId=57956420700">https://www.scopus.com/authorid/detail.uri?authorId=57956420700</a> |
| 41. | Mrs.R.Priya,et.al.,              | Traffic Accident Prediction Using Neural Network                                                                                                                                | 6th International Conference on Intelligent Computing, IConIC2K 2023                                                             | SCOPUS | <a href="https://www.scopus.com/authorid/detail.uri?authorId=57956420700">https://www.scopus.com/authorid/detail.uri?authorId=57956420700</a> |
| 42. | Mrs.R.Priya,et.al.,              | Hybrid Movie Recommendation System Using Cosine Similarity                                                                                                                      | 6th International Conference on Intelligent Computing, IConIC2K 2023                                                             | SCOPUS | <a href="https://www.scopus.com/authorid/detail.uri?authorId=57956420700">https://www.scopus.com/authorid/detail.uri?authorId=57956420700</a> |
| 43. | Mrs.S.Srinidhi, et.al.,          | Advanced Mathematical Application of Cryptographic Protocols in Distributed Ledger Technologies and Digital Currency Systems                                                    | Proceedings of the 3rd International Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024)              | SCOPUS | <a href="https://www.scopus.com/authorid/detail.uri?authorId=59378347100">https://www.scopus.com/authorid/detail.uri?authorId=59378347100</a> |
| 44. | Mrs.S.Swathi,et.al.,             | Stellar classification using supervised machine learning                                                                                                                        | Fourth international conference on advances in physical Science and materials: icapsm- AIP Conference proceedings                | SCOPUS | <a href="https://www.scopus.com/authorid/detail.uri?authorId=58680144700">https://www.scopus.com/authorid/detail.uri?authorId=58680144700</a> |
| 45. | Mrs.C.Gomathi, et.al.,           | Enhancing Mint Plant Disease Detection Accuracy                                                                                                                                 | International Conference on Artificial Intelligence and Speech                                                                   | SCOPUS | <a href="https://www.scopus.com/authorid/detail.uri?authorId=58932473400">https://www.scopus.com/authorid/detail.uri?authorId=58932473400</a> |
| 46. | Mrs.J.Anitha, et.al.,            | An Intelligent Framework of Microcalcifications Breast Cancer Detection using Heuristic Approach aided Residual                                                                 | 2nd IEEE International Conference on Integrated Intelligence and Communication Systems, ICIICS 2024                              | SCOPUS | <a href="https://www.scopus.com/authorid/detail.uri?authorId=59727388500">https://www.scopus.com/authorid/detail.uri?authorId=59727388500</a> |
| 47. | MrS.R.Vidhyamuthulakshmi,et.at., | Automated and Decentralized Cloud based water level audit system with IoT                                                                                                       | Journal of Xi'an University of Architecture & Technology                                                                         | SCOPUS | <a href="https://www.scopus.com/authorid/detail.uri?authorId=58932024600">https://www.scopus.com/authorid/detail.uri?authorId=58932024600</a> |



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| 48. | Mr.S.R.Vidhya<br>muthulakshmi,et.at., | Optimal Multi-Keyword Ranked Search Matching in Public Cloud with Enhanced Secure Search Scheme Over Encrypted Data                           | 2024 Ninth International Conference on Science Technology Engineering and Mathematics (ICONSTEM)                 | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=58932024600">https://www.scopus.com/authid/detail.uri?authorId=58932024600</a> |
| 49. | Ms. Shyamala P,<br>et.al.,            | Early and Accurate Detection and Classification of PlantDiseases Using a Self Attention-GRU Model                                             | 2nd International Conference on Self Sustainable Artificial Intelligence Systems, ICSSAS 2024                    | SCOPUS | <a href="https://papers.ssrn.com/sol3/papers.cfm?abstract_id=5091290">https://papers.ssrn.com/sol3/papers.cfm?abstract_id=5091290</a>     |
| 50. | Mrs.C M Hilda Jerlin,<br>et.al.,      | Dynamic Key Generationfor Secure File Sharing System Using Time Stamp                                                                         | 2024 International Conference on Innovative Computing, Intelligent Communication and Smart                       | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=58670617900">https://www.scopus.com/authid/detail.uri?authorId=58670617900</a> |
| 51. | Mrs.C.M.Hilda Jerlin,et.al.,          | Deployment of an Advanced Wi-Fi Data Firewall System to Enhance Security in the IoT Ecosystem                                                 | 20243rdInternational Conference on Sentiment Analysis and Deep Learning, ICSADL 2024                             | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=58670617900">https://www.scopus.com/authid/detail.uri?authorId=58670617900</a> |
| 52. | Mr.M.Venkatesan,<br>et.al.,           | Sentinel Rover: Cutting-Edge Wireless Mine Detection and Alert System for High-Risk Terrains                                                  | International Conference on Self Sustainable Artificial Intelligence Systems, ICSSAS 2023 - Proceedings          | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=58829533500">https://www.scopus.com/authid/detail.uri?authorId=58829533500</a> |
| 53. | Mrs. P.Ranjidha,<br>et.al.,           | A Federated Learning Paradigm for Early Alzheimer's Detection using MRI Imaging                                                               | 5th International Conference on Electronics and Sustainable Communication Systems (ICESC 2024)                   | SCOPUS | <a href="https://ieeexplore.ieee.org/document/10689929">https://ieeexplore.ieee.org/document/10689929</a>                                 |
| 54. | Ms.S.Sandhiya, et.al.,                | Development of Scalable Deep Learning Frameworks Utilizing Advanced Hybrid Models like Transformer-CNN for Distributed Computing Environments | 2024 IEEE 2nd International Conference on Innovations in High Speed Communication and Signal Processing (IHCSPP) | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=57203985742">https://www.scopus.com/authid/detail.uri?authorId=57203985742</a> |
| 55. | Mr.K.Vijayakumar.<br>et.al.,          | Meta-heuristics and machine learning applications in complex systems                                                                          | Metaheuristic and Machine Learning Optimization Strategies for Complex Systems Pages257 - 751July 2024           | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=59171881200">https://www.scopus.com/authid/detail.uri?authorId=59171881200</a> |



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| 56. | Mrs. A. Babisha. et.al., | Advancements in Artificial Intelligence for Better Image Analysis, Recognition, and Interpretation in the Field of Image Processing | 2024 Global Conference on Communications and Information Technologies (GCCIT), BANGALORE, India             | SCOPUS | <a href="https://www.scopus.com/authid/detail.uri?authorId=57419336500">https://www.scopus.com/authid/detail.uri?authorId=57419336500</a> |
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