RAMCO INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
SCOPUS CONFERENCE PUBLICATION
ACADEMIC YEAR: 2024-2025

1. **S. Manjula**, K.Valarmathi and **M. S. Sudha**, "Cryptography and Adversarial Analysis for Cloud Data Security," 5th International Conference on Innovative Trends in Information Technology (ICITIIT), Kottayam, India, pp. 1-6, July 2024. doi: 10.1109/ICITIIT61487.2024.10580025. **(Scopus)**

2. S.Sarumathi and **K. Vijayalakshmi**, "A Comprehensive Analysis of optimization of task scheduling algorithms for IOT applications in a Combined Environment of Cloud, Fog and Edge," Third International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN), Villupuram, India, pp. 1-6, September 2024. doi: 10.1109/ICSTSN61422.2024.10670804. (Scopus)

3. G. C, N. Kalaiarasi, Y. R, P. Brinda, **Jeyakarthika. K** and S. T. Gopukumar, "Chaotic Particle Swarm Optimization Empowered Deep Convolutional Neural Network for Prostate Cancer Diagnosis," Second International Conference on Advances in Information Technology (ICAIT), Chikkamagaluru, Karnataka, India, pp. 1-6, October 2024. doi: 10.1109/ICAIT61638.2024.10690623. **(Scopus)**

4. **C. A. Yogaraja**, C. Priyanka, P. SP, J. J. Babu, S. Rajagopal and S. Poorani, "Enhancing Insect Image Recognition with Sand Cat Swarm Optimization with Deep Feature Extraction," Second International Conference on Advances in Information Technology (ICAIT), Chikkamagaluru, Karnataka, India, pp. 1-6, October 2024. doi: 10.1109/ICAIT61638.2024.10690642. **(Scopus)**

5. Karunakaran, S. and Sivaraman, R. and Maharajothi, M. and J, Deepika and **K, Vignesh Saravanan** and N, Jayanthi, "Enhanced Seagull Optimization Algorithm Based Route Selection in IoT Assisted Wireless Sensor Networks," Second International Conference on Advances in Information Technology (ICAIT), Chikkamagaluru, Karnataka, India, pp. 1-6, October 2024. doi: 10.1109/ICAIT61638.2024.10690745. **(Scopus)**

6. **Poornima, I Gethzi Ahila** and Abdul Habib Sheikh, Abdul Wasim and Thota, Aruna and Devi, G. and Pandey, Neha and Roy, Sudipta, "Automated Mitotic Nuclei Classification Using Fruitfly Optimization Algorithm with Machine Learning on Breast Cancer Diagnosis," Second International Conference on Advances in Information Technology (ICAIT), Chikkamagaluru, Karnataka, India, pp. 1-6, October 2024. doi: 10.1109/ICAIT61638.2024.10690651. **(Scopus)**

7. Jamalpur, Bhavana and **G, Sakthi Priya**, Venkat, S. and R, Aarthi and Kavitha, S. and Babu, G. Charles, "Optimizing Food Image Classification Using Black Widow Algorithm and Deep Learning Techniques," Second International Conference on Advances in

Information Technology (ICAIT), Chikkamagaluru, Karnataka, India, pp. 1-6, October 2024.   doi: 10.1109/ICAIT61638.2024.10690324. **(Scopus)**

8. Shanthi, R. and D, Balasubramaniam and **Venkatesh, R**. and Sankari, C. and Manimaran, V. and Basha, Shaik Hedayath, "Enhancing Remote Sensing Image Classification Using Arithmetic Optimization Algorithm with Deep Learning Approach," Second International Conference on Advances in Information Technology (ICAIT), Chikkamagaluru, Karnataka, India, pp. 1-6, October 2024. doi: 10.1109/ICAIT61638.2024.10690775. **(Scopus)**

9. N, Maheswaran and S, Bose and **T, Shruthi** and G, Logeswari and T, Anitha and D, Prabhu, "Transformative Storage Framework for 6G Smart City Deployments," Third International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT), Tiruchirappalli, India, pp. 1-6, October 2024. doi: 10.1109/ICEEICT61591.2024.10718383. **(Scopus)**

10. **Sakthi Priya G, Vignesh Saravanan K**, Hemalatha B, Karthika R, Kavya Srinidhi B, "Customer Segmentation using Clustering Techniques: Data-Driven Approach to Enhance Marketing Strategy," International Conference on Sustainable Communication Networks and Application (ICSCNA), Theni, India, pp. 1127- 1134, February 2025. doi: 10.1109/ICSCNA63714.2024.10864053. **(Scopus)**

11. **P. Rajarajeswari**, R. Madhubala and V. Gomathi, "Attention Contours: A Comparative Study on 2D and Virtual Reality Attention Profile Assessment Tests," 5th International Conference on Data Intelligence and Cognitive Informatics (ICDICI), Tirunelveli, India, pp. 1195-1202, January 2025. doi: 10.1109/ICDICI62993.2024.10810849. **(Scopus)**

12. K. Manju, P. M. Dinesh, **K. Jeyageetha**, G. P. Lakshmi, K. Thangavel and M. Alagarsamy, "Innovative Practices for Reliable Tuberculosis Detection with Deep Learning", International Conference on Intelligent & Innovative Practices in Engineering & Management (IIPEM), Singapore, pp. 1-7, March 2025. doi: 10.1109/IIPEM62726.2024.10925662. **(Scopus)**

13. **K.Priya**, S. K. James, A. A. Babu, S. A, S.Sharanyaa and S. Prasad, "Artificial Intelligence and Machine Learning: Revolutionizing Data-Driven Decisions," 5th IEEE Global Conference for Advancement in Technology (GCAT), Bangalore, India, pp. 1-6, March 2025. doi: 10.1109/GCAT62922.2024.10924120. **(Scopus)**

14. **M. Swarna Sudha, S. Manjula**, I. Bharathi, V. Krishnasamy, **K. Vijayalakshmi**, "DeepFakeGuard: Safeguarding Digital Platforms Against Fake Profiles Using AI," 4th International Conference on Sentiment Analysis and Deep Learning (ICSADL), Bhimdatta, Nepal, pp. 1293-1299, March 2025. doi: 10.1109/ICSADL65848.2025.10933074. **(Scopus)**

15. **S. Vijaya Amala Devi, K. Vijayalakshmi**, R. S. Krishnan, J. R. F. Raj, R. Umesh and N. Soundiraraj, "Hybrid Deep Learning Methods for Enhancing Parkinson's Disease Early Detection," 4th International Conference on Sentiment Analysis and Deep Learning (ICSADL)*,* Bhimdatta, Nepal, pp. 1462-1469, March 2025. doi: 10.1109/ICSADL65848.2025.10933259. **(Scopus)**

16. Raja, D. and **K, Jeyakarthika** and Gowridurga, A. and R, Prem Kumar and Divya, J. and M, Nalini, "Sustainable Management Practices for Enhancing Employee Recruitment and Retention," 8th International Conference on Trends in Electronics and Informatics (ICOEI)*,* Tirunelveli, India, pp. 1071-1078, May 2025. doi: 10.1109/ICOEI65986.2025.11013179. **(Scopus)**

17. D. Prabhu, **M. Dhivya**, A. Gowridurga, M. Dinesh Babu, T. P. Anish and R. Siva Subramanian, "Visual Analytics for Smart Decision-Making: Techniques, Applications, and Future Directions*,"* International Conference on Visual Analytics and Data Visualization (ICVADV)*,* Tirunelveli, India, pp. 37-43, April 2025. doi: 10.1109/ICVADV63329.2025.10961125. **(Scopus)**

18. **Madhu R**, U.V. Anbazhagu; R. Santhana Krishnan; Kruthika Paulraj; Ezhil E. Nithila; R. Umesh, "IoT-Enabled Deep Learning Framework for Smart Infant Health Monitoring," International Conference on Intelligent Computing and Control Systems (ICICCS)*,* Erode, India, pp. 420-427, June 2025. doi: 10.1109/ICICCS65191.2025.10984933. **(Scopus)**

19. **P. Devisri**, B. Jamalpur, S. F. C. Raj, K. Velusamy, A. K. V and B. Jegajothi, "Dynamic IoT Protocol Adaptation for Smart Home Systems with Diverse Device Ecosystems," 8th International Conference on Trends in Electronics and Informatics (ICOEI)*,* Tirunelveli, India, pp. 122-127, May 2025. doi: 10.1109/ICOEI65986.2025.11013089. **(Scopus)**

20. **K. Priya,** K. Priyadharshini, R. S. Krishnan, J. R. F. Raj, I. J. Settu and A. Srinivasan, "Advancing Urban Traffic Control with IoT and Deep Learning: A YOLOv8 and LSTM-based Adaptive Signal System," International Conference on Intelligent Computing and Control Systems (ICICCS)*,* Erode, India, pp. 428-435, May 2025. doi: 10.1109/ICICCS65191.2025.10984735. **(Scopus)**

1. Abinaya S, **G.Sakthi Priya**, presented a paper titled "Queen Bee Detection Using Machine Learning and Remote Audio Sensing for Honeybee Colony Protection" 16th International IEEE Conference on Computing, Communication and Networking Technologies (ICCNT), organized by on

2. Harine P, **Swarna Sudha M**, presented a paper titled "Hybrid Deep Learning Approaches for Social Media based Mental Health Detection" International Conference on Recent Innovation in Technologies (ICRIT'25), organized by Grace College of Engineering, Thoothukudi, Tamil Nadu, on 14th–15th May 2025.

3. Mahesh Selvalakshmi M Sugirthasri B, Jayasri P, Thangaselvi S, **S.Vijaya Amala Devi**, presented a paper titled "Mom2Kid: Pregnancy and Child Health Tracking System" International Conference on Emerging and Transformative Technologies in Computer Science organized by JP College of Engineering on 6th May 2025..

4. Praveena A, Ashwini Bala S, **K.Jeyakarthika**, presented a paper titled "Bridging AI and Healthcare: CNN-O-ELMNet for Rapid Lung Disease Screening", United International Conference on Technologies for Research, Product Developments and Space Science (UICONTRPDS-25), organized by United Institute of Technology, Coimbatore, on 28th May 2025.

5. Shanmugalakshmi P, **S.Vijaya Amala Devi**, presented a paper titled "Point Cloud based End to End 3D Scene Graph Generation for Indoor Environment", International Conference on Emerging and Transformative Technologies in Computer Science organized by JP College of Engineering on 6th May 2025.

6. Srivadhani Karthiga A, **R.Venkatesh**, presented a paper titled "AYUSH VR Garden: An Interactive Herbal Explorer", United International Conference on Technologies for Research, Product Developments and Space Science (UICONTRPDS-25), organized by United Institute of Technology, Coimbatore, on 28th May 2025.

7. Subana Devi G, **S.Manjula**, presented a paper titled "GAN-Driven Backdoor Attacks on Deep Learning Based Medical Image Encryption and Decryption", International Conference on Recent Innovation in Technologies (ICRIT'25), organized by Grace College of Engineering, Thoothukudi, Tamil Nadu, on 14th–15th May 2025.

8. Swathi K, **I.Gethzi Ahila Poornima**, presented a paper titled "Enhancing Pseudo Random Number Generation with Chaotic Systems", United International Conference on Technologies for Research, Product Developments and Space Science (UICONTRPDS-25), United Institute of Technology, Coimbatore, on 28th May 2025.

9. Swetha Sri S, **K.Vignesh Saravanan**, presented a paper titled "Landslide Alert System using Machine Learning and IoT Sensors for Real Time Prediction and Notification", International Conference on Emerging and Transformative Technologies in Computer Science will be held at JP College of Engineering on 6th May 2025.

10. Haridharshana M U, Shanmugapriya, **K.Vignesh Saravanan**, presented a paper titled "Enhanced Data Gathering with 2-Fold aggregation using Virtual Ring construction for Mobile Sink based WSN", Fifth National Conference on "Recent Advancements in Science, Engineering & Technologies (RASET 2025)" will be held at Bannari Amman Institute of Technology on 6th May 2025.

11. Varsha Saraswathi V, **R.Madhu**, presented a paper titled "Trustworthy AI in healthcare: A Novel Ensemble XAI Algorithm for pneumonia and COVID-19 interpretation", United International Conference on Technologies for Research, Product Developments and Space Science (UICONTRPDS-25), held at the United Institute of Technology, Coimbatore, on 28th May 2025.

12. Kowsalya M, I.Gethzi Ahila Poornima, presented a paper titled, "Developing a Hybrid Map Matching Algorithm for Vehicular Navigation", United International Conference on Technologies for Research, Product Developments and Space Science (UICONTRPDS-25), held at the United Institute of Technology, Coimbatore, on 28th May 2025.

13. Kartheeswari M, Shamista S, **B.Vijayalakshmi**, presented a paper titled "AI Powered Supplier Discovery: Integrating Graph Retrieval Augmented Generation with Large Language Models", United International Conference on Technologies for Research, Product Developments and Space Science (UICONTRPDS-25), held at the United Institute of Technology, Coimbatore, on 28th May 2025.

14. Arun prasath S, Balaji S, Balamurugan G, **R.Madhu**, presented a paper titled "Smart Alert System for Elephant Movement Detection Using Deep Learning", United International Conference on Technologies for Research, Product Developments and Space Science (UICONTRPDS-25), held at the United Institute of Technology, Coimbatore, on 28th May 2025.

15. Stella V, Muthulakshmi J, **R.Madhu,** presented a paper titled "Hybrid Deep Learning Model for High Resolution Hyperspectral Image Reconstruction", United International Conference on Technologies for Research, Product Developments and Space Science (UICONTRPDS-25), held at the United Institute of Technology, Coimbatore, on 28th May 2025.