

## DEPARTMENT OF INFORMATION TECHNOLOGY

### 2022:

1. **Mr. M. Arunkumar**, K. Pugalandhi and S. Agalya, "Smart Cervical Band for Detection of Cervical Spondylosis using IoT Technologies," 2022 International Conference on Automation, Computing and Renewable Systems (ICACRS), Pudukkottai, India, 2022, pp. 900-906, **doi: 10.1109/ICACRS55517.2022.10029175**.
2. B. Sabari and **Mrs. J. Suganthi**, "Design and Implementation of Low-cost Hemoglobin Level Prediction using Machine Learning," 2022 Third International Conference on Smart Technologies in Computing, Electrical and Electronics (ICSTCEE), Bengaluru, India, 2022, pp. 1-5, **doi: 10.1109/ICSTCEE56972.2022.10099970**.
3. R. Ramkumar and **Mrs. J. Suganthi**, "Iceberg Detection in Aerial Images Using Deep Learning Models," 2022 Third International Conference on Smart Technologies in Computing, Electrical and Electronics (ICSTCEE), Bengaluru, India, 2022, pp. 1-8, **doi: 10.1109/ICSTCEE56972.2022.10099806**.
4. K. Bharathan and **Mrs. J. Suganthi**, "Animal Detection and Prevention in Agri Field Using IoT ," 2022 Third International Conference on Smart Technologies in Computing, Electrical and Electronics (ICSTCEE), Bengaluru, India, 2022, pp. 1-6, **doi: 10.1109/ICSTCEE56972.2022.10099831**.

### 2023:

1. **Dr. R. Thendral** and M. Vinothini, "Crop And Fertilizer Recommendation to Improve Crop Yield using Deep Learning," 2023 Second International Conference on Electronics and Renewable Systems (ICEARS), Tuticorin, India, 2023, pp. 1123-1130, **doi: 10.1109/ICEARS56392.2023.10085054**.
2. **Mrs. J. Jayachitra**, and N. Umarkathaf, "Blood Cancer Identification using Hybrid Ensemble Deep Learning Technique," 2023 Second International Conference on Electronics and Renewable Systems (ICEARS), Tuticorin, India, 2023, pp. 1194-1198, **doi: 10.1109/ICEARS56392.2023.10084996**.
3. N. Shivani and **Mrs. J. Jayachitra**, "An EEG-based Brain-Computer Interface for Stress Analysis," 2023 Second International Conference on Electronics and Renewable Systems (ICEARS), Tuticorin, India, 2023, pp. 355-360, **doi: 10.1109/ICEARS56392.2023.10085458**.

4. **Mrs. J. Jayachitra**, M. Arunkumar, S. S. Hameed and S. Pradeesh, "Automated Hybrid Emergency Medical Services," 2023 Third International Conference on Artificial Intelligence and Smart Energy (ICAIS), Coimbatore, India, 2023, pp. 797-801, **doi: 10.1109/ICAIS56108.2023.10073724**.
5. **Mrs. J. Jayachitra**, S. Muthulakshmy, M. A. Kumar and K. Elavarasi, "Design and Implementation of Smart Glove for Visually Impaired People," 2023 5th International Conference on Smart Systems and Inventive Technology (ICSSIT), Tirunelveli, India, 2023, pp. 1719-1722, **doi: 10.1109/ICSSIT55814.2023.10061070**.
6. **Mrs. K. Elavarasi** and B. R. R. R, "Spot Brain Tumors Using MRI Scans," 2023 9th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India, 2023, pp. 2403-2407, **doi: 10.1109/ICACCS57279.2023.10112730**.
7. **Mrs. K. Elavarasi**, S. Sivaranjani, A. M, S. B. M and S. M, "Recommendation System for Job Opportunities based on Candidate Parameters," 2023 Second International Conference on Electronics and Renewable Systems (ICEARS), Tuticorin, India, 2023, pp. 1504-1509, **doi: 10.1109/ICEARS56392.2023.10085342**.
8. **Mrs. K. Elavarasi** and S. K, "Diagnosis of Vitamin Deficiency in Human Beings using DNN Algorithm," 2023 Second International Conference on Electronics and Renewable Systems (ICEARS), Tuticorin, India, 2023, pp. 1627-1632, **doi: 10.1109/ICEARS56392.2023.10085334**.
9. **Mrs. K. Elavarasi** and S. Veeramani, "A Novel Communication using WWSN with Intelligent Controller Unit," 2023 5th International Conference on Smart Systems and Inventive Technology (ICSSIT), Tirunelveli, India, 2023, pp. 1742-1746, **doi: 10.1109/ICSSIT55814.2023.10060977**.
10. **Mr. M. Arunkumar** and B. P. Raj, "Surveillance of Forest Areas and Detection of Unusual Exposures using Deep Learning," 2023 7th International Conference on Computing Methodologies and Communication (ICCMC), Erode, India, 2023, pp. 145-150, **doi: 10.1109/ICCMC56507.2023.10083641**.
11. **Mr. M. Arunkumar** and S. Devadharshini, "Optimised Home Electricity Management using Machine Learning," 2023 7th International Conference on Computing Methodologies and Communication (ICCMC), Erode, India, 2023, pp. 221-226, **doi: 10.1109/ICCMC56507.2023.10084159**.
12. **Mr. M. Arunkumar** and T. A, "Effective Management of IoT Devices that can Withstand Attacks on Cloud Data," 2023 Second International Conference on Electronics and Renewable Systems (ICEARS), Tuticorin, India, 2023, pp. 862-867, **doi: 10.1109/ICEARS56392.2023.10085408**.

- 13. Mr. M. Arunkumar**, V. Archana, S. A. Devi and S. N. Sri, "Advanced Smart Home and Office Automation using IoT," 2023 5th International Conference on Smart Systems and Inventive Technology (ICSSIT), Tirunelveli, India, 2023, pp. 462-468, **doi: 10.1109/ICSSIT55814.2023.10061148.**
- 14. Mrs. C. Kavitha**, C. Hemanath, B. P. Raj, N. Sridevi and C. Hemalatha, "Identification of an Animal Footprint with time prediction using Deep learning," 2023 7th International Conference on Computing Methodologies and Communication (ICCMC), Erode, India, 2023, pp. 354-361, **doi: 10.1109/ICCMC56507.2023.10084050.**
- 15. Mrs. C. Kavitha**, N. Sridevi and D. Dhivagar, "Drowning Detection and Security in Falls with IoT Server," 2023 Third International Conference on Artificial Intelligence and Smart Energy (ICAIS), Coimbatore, India, 2023, pp. 98-104, **doi: 10.1109/ICAIS56108.2023.10073845.**
- 16. Mrs. J. Suganthi**, S. Sivaranjani and M. Hariharan, "Forensic Art with Image Recognition and Brain Computing Interface," 2023 7th International Conference on Computing Methodologies and Communication (ICCMC), Erode, India, 2023, pp. 728-732, **doi: 10.1109/ICCMC56507.2023.10084031.**
- 17. Mrs. J. Suganthi**, V. Rajasekar and S. Sivaranjani, "Surveillance System for Aquaculture Farming," 2023 7th International Conference on Computing Methodologies and Communication (ICCMC), Erode, India, 2023, pp. 1626-1629, **doi: 10.1109/ICCMC56507.2023.10084016.**
- 18. Mrs. M. Libina** and V. Gnanadesigan, "Intelligent Crypto Mining Vehicle using AI Processor with IOT Payment System," 2023 7th International Conference on Computing Methodologies and Communication (ICCMC), Erode, India, 2023, pp. 1229-1235, **doi: 10.1109/ICCMC56507.2023.10083520.**
- 19. Mrs. M. Libina** and K. Mahan, "Hybrid Noise Reduction And Enhancement of Audio Quality using Deep Learning," 2023 Second International Conference on Electronics and Renewable Systems (ICEARS), Tuticorin, India, 2023, pp. 1131-1135, **doi: 10.1109/ICEARS56392.2023.10085247.**
- 20. Ms. V. Dhanalakshmi** and M. Ragul, "Human Motion Capturing from a Video using Deep Learning," 2023 Second International Conference on Electronics and Renewable Systems (ICEARS), Tuticorin, India, 2023, pp. 1114-1118, **doi: 10.1109/ICEARS56392.2023.10085484.**
- 21. Mr. M. Arunkumar** and E. Lokesh, "IoT-Based Navigation Assistance for Visually Impaired People," 2023 Eighth International Conference on Science Technology Engineering and Mathematics (ICONSTEM), Chennai, India, 2023, pp. 1-4, **doi: 10.1109/ICONSTEM56934.2023.10142780.**

- 22. Ms. Dhanalakshmi V**, Vimalraj S and Praveen Raj B, "Keeping Track of Coal Mine Safety using IoT Technology," 2023 Eighth International Conference on Science Technology Engineering and Mathematics (ICONSTEM), Chennai, India, 2023, pp. 1-7, **doi: 10.1109/ICONSTEM56934.2023.10142538.**
- 23. Mrs. Libina M** and Logesh D, "False Detection for Online Reviews by Using Deep Neural Network," 2023 Eighth International Conference on Science Technology Engineering and Mathematics (ICONSTEM), Chennai, India, 2023, pp. 1-6, **doi: 10.1109/ICONSTEM56934.2023.10142855.**
- 24. Mrs. Kavitha C**, Sheik Jamsheer Basha T and Gnanadesigan V, "Predicting Earthquake Measurements using Deep Learning," 2023 Eighth International Conference on Science Technology Engineering and Mathematics (ICONSTEM), Chennai, India, 2023, pp. 1-7, **doi: 10.1109/ICONSTEM56934.2023.10142552.**
- 25. Sanjay K and Mrs. Libina M**, "Clogging-Free and Shortest-Safe Path Evacuation System Using IoT Devices," 2023 *Eighth International Conference on Science Technology Engineering and Mathematics (ICONSTEM)*, Chennai, India, 2023, pp. 1-6, **doi: 10.1109/ICONSTEM56934.2023.10142774.**
- 26. Mrs. Elavarasi K** and Gopinath S, "Intrusion Detection and Prevention Approach in Wlan Using Cyber Security," 2023 Eighth International Conference on Science Technology Engineering and Mathematics (ICONSTEM), Chennai, India, 2023, pp. 1-7, **doi: 10.1109/ICONSTEM56934.2023.10142442.**
- 27. Mrs. Elavarasi K** and Padmavathy G, "Preventing Privacy Leakage in Cloud Service with Weighted Majority Algorithm in Personal Information," 2023 *Eighth International Conference on Science Technology Engineering and Mathematics (ICONSTEM)*, Chennai, India, 2023, pp. 1-6, **doi: 10.1109/ICONSTEM56934.2023.10142547.**
- 28. Mrs. J. Suganthi** and S. Abinaya, "A Reinforcement Learning Approach for Storing Data in Reactive IoT Network," 2023 *Eighth International Conference on Science Technology Engineering and Mathematics (ICONSTEM)*, Chennai, India, 2023, pp. 1-7, **doi: 10.1109/ICONSTEM56934.2023.10142915.**
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- 30. Mrs. J. Suganthi** and V. Abineshkumar, "Revolutionizing Anomaly Detection in Surveillance Footage with ARLSTM," 2023 2nd International Conference on Applied Artificial Intelligence and Computing (ICAAIC), Salem, India, 2023, pp. 506-511, **doi: 10.1109/ICAAIC56838.2023.10141056.**
- 31. Mrs. C. Kavitha**, V. Thamaraikannan, M. Vigneshkumar and B. P. Raj, "Traffic Sign Recognition and Voice-Activated Driving Assistance Using Raspberry Pi," 2023 Eighth International Conference on Science Technology Engineering and Mathematics (ICONSTEM), Chennai, India, 2023, pp. 1-7, **doi: 10.1109/ICONSTEM56934.2023.10142789.**

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33. **Mrs. C. Kavitha** and K. Pavun Kavitha, "A Chatbot System for Education NLP Using Deep Learning," 2023 Eighth International Conference on Science Technology Engineering and Mathematics (ICONSTEM), Chennai, India, 2023, pp. 1-7, doi: **10.1109/ICONSTEM56934.2023.10142830**.
34. **Mrs. K. Elavarasi** and V. Mohana, "Smart Fingerprint Authentication and Alert System Using IoT," 2023 2nd International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN), Villupuram, India, 2023, pp. 1-6, doi: **10.1109/ICSTSN57873.2023.10151621**.
35. **Rosario Gilmery, R., Venkatesan, A. Entropy-Based Automation Detection on Twitter Using DNA Profiling.** SN COMPUT. SCI. (2023): 847 <https://doi.org/10.1007/s42979-023-02324-9>
36. **Jayachitra, J., Devi, K.S., Manisekaran, S.V. et al. Terahertz video-based hidden object detection using YOLOv5m and mutation-enabled salp swarm algorithm for enhanced accuracy and faster recognition.** J Supercomput (2023). 8357–8382. <https://doi.org/10.1007/s11227-023-05717-y>
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## 2024:

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2. **M. Arunkumar**, S. Agalya and M. Bhuvanaeshwari, "Electricity Generation From Food Waste Using IOT," 2024 3rd International Conference on Artificial Intelligence For Internet of Things (AIIoT), Vellore, India, 2024, pp. 1-6, doi: 10.1109/AIIoT58432.2024.10574686.
3. A. Hemalatha and **J. Jayachitra**, "Utilization of Smart Contracts and Searchable Encryption in Blockchain based for Data Query," 2024 10th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India, 2024, pp. 2063-2068, doi: 10.1109/ICACCS60874.2024.10717119.

4. Raghav Sandeep P, **Elavarasi K** and Praveen Raj S, "An Intelligent Based IoT System to Predict Proactive Paroxysms Using EDA Sensor," 2024 7th International Conference on Devices, Circuits and Systems (ICDCS), Coimbatore, India, 2024, pp. 156-162, doi: 10.1109/ICDCS59278.2024.10560489.
5. **M. Libina**, C. Kavitha and A. Kabilan, "Quantitative Analysis and Forecasting in Finance: Leveraging Wavelet Packet Transform for Enhanced Market Insights," 2024 International Conference on Communication, Computing and Internet of Things (IC3IoT), Chennai, India, 2024, pp. 1-6, doi: 10.1109/IC3IoT60841.2024.10550323.
6. **Elavarasi K** and **Kailash CT**, "Live Video Stream Analysis in Real-Time Using Edge Enhanced Clouds," 2024 Third International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN), Villupuram, India, 2024, pp. 1-5, doi: 10.1109/ICSTSN61422.2024.10671163.
7. **M. Libina** and S. J. Poornesh, "Air Pollution Monitoring and Purifying System," 2024 International Conference on Electronics, Computing, Communication and Control Technology (ICECCC), Bengaluru, India, 2024, pp. 1-6, doi: 10.1109/ICECCC61767.2024.10593939.
8. Praveen M, **Rosario Gilmary**, Manvizhi N, Vikram M and Sanjay V, "Speculating Future Stock Price in Stock Market Using Feature Scaling and Predictive Models," 2024 7th International Conference on Devices, Circuits and Systems (ICDCS), Coimbatore, India, 2024, pp. 87-91, doi: 10.1109/ICDCS59278.2024.10560998.
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11. **R. Thendral**, M. Subasri, G. Sudharsan and M. K. Ragul, "Enhancing Tamil Handwritten Character Recognition Using Multimodel Deep Learning," 2024 10th International Conference on Communication and Signal Processing (ICCSP), Melmaruvathur, India, 2024, pp. 1600-1604, doi: 10.1109/ICCSP60870.2024.10544266.
12. **R. Thendral**, G. Sudharsan, M. Subasri and M. K. Ragul, "Document Image Analysis for Text Extraction and Translation," 2024 4th International Conference on Intelligent Technologies (CONIT), Bangalore, India, 2024, pp. 1-6, doi: 10.1109/CONIT61985.2024.10626266.
13. **M. Arunkumar**, M. Palanisamy, K. Viknesh, M. Mugilarasan and B. Abinesh, "Automated Symptom Tracking And Prediction Of Angioedema Disease Using Machine Learning," 2024 International Conference on Communication, Computing and Internet of Things (IC3IoT), Chennai, India, 2024, pp. 1-6, doi: 10.1109/IC3IoT60841.2024.10550281.

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