



# S.A. ENGINEERING COLLEGE

(Autonomous - Institute Level Research Centre, Affiliated to Anna University, Chennai)

Accredited by NAAC 'A' Grade & ISO 9001:2015 Certified Institution

## Department of Master of Computer Applications

### Faculty Publications

2025-2026

| S.no | Publications                            | Academic Year<br>(2023-2024) |
|------|-----------------------------------------|------------------------------|
| 1    | International Journals – SCI            | 1                            |
| 2    | International Journals – SCOPUS         | 8                            |
| 3    | International Journals – Google Scholar | -                            |
|      | Total                                   | 9                            |

HOD/MCA



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### Faculty Publications

2025-2026

### SCI Publications

| S.No | Name of the Faculty | Title of the Paper                                                                                          | Name of the Journal/Conference with Vol no, issue no, page no.                                                                                                   | Type of Journal |
|------|---------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1    | Mrs. Rajeshwari R   | Twin-layer attention graph convolutional network (TLA-GCN): Enhancing abnormality detection in chest x-rays | Applied Soft Computing, Volume 181, September 2025, 113514 , <a href="https://doi.org/10.1016/j.asoc.2025.113514">https://doi.org/10.1016/j.asoc.2025.113514</a> | SCI             |

### SCOPUS Publications

|   |               |                                                                                                                                |                                                                                                                                                                       |    |
|---|---------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1 | Dr. V.Sujatha | Experimental Analysis of Throughout Maximization and Delay Reduction over Wireless Sensor Network Through Neural Route Mapping | <i>Frontier Technologies and Solutions (ICFTS)</i> , Chennai, India, 2025, pp. 1-7, doi: 10.1109/ICFTS62006.2025.11031540. published on 20 June 2025                  | SI |
| 2 | Dr. V.Sujatha | Intelligent Emergency Communications Using Efficient Clustering Based Routing Strategy in Unmanned Aerial Vehicle Networks     | <i>Frontier Technologies and Solutions (ICFTS)</i> , Chennai, India, 2025, pp. 1-7, doi: 10.1109/ICFTS62006.2025.11031536. published on 20 June 2025                  | SI |
| 3 | Dr. V.Sujatha | Blockchain-Enhanced Zero-Trust Architecture for Secure Key Management in Wireless Sensor Networks                              | <i>Smart Technologies, Communication and Robotics (STCR)</i> , Sathyamangalam, India, 2025, pp. 1-6, doi: 10.1109/STCR62650.2025.11019336 . published on 03 June 2025 | SI |



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|   |                |                                                                                                                         |                                                                                                                                                                       |    |
|---|----------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 4 | Mrs. N. Juliet | Intelligent Crop Yield Prediction Using IoT and Optimized Deep Learning for Precision Agriculture                       | Smart Technologies Communication and Robotics published on 03 June 2025<br>DOI: 10.1109/STCR62650.2025.11018972                                                       | SI |
| 5 | Mr. Sankar R   | An Efficient Energy Maximization Protocol Design based on Convolutional Route Optimization Protocol                     | Frontier Technologies and Solutions (ICFTS), Chennai, India, 2025, pp. 1-7, doi: 10.1109/ICFTS62006.2025.11031725. published on 20 June 2025                          | SI |
| 6 | Mr. Sankar R   | Twin-Layer Deep Learning Model with IoT Integration for Intelligent Pest Detection in Smart Farming                     | <i>Smart Technologies, Communication and Robotics (STCR)</i> , Sathyamangalam, India, 2025, pp. 1-6, doi: 10.1109/STCR62650.2025.11020488 . published on 03 June 2025 | SI |
| 7 | Mrs. Lakshmi N | Hybrid CNN-Transformer Model with Attention-Based Decoding for Accurate Abdominal Organ Segmentation in Medical Imaging | <i>Smart Technologies, Communication and Robotics (STCR)</i> , Sathyamangalam, India, 2025, pp. 1-6, doi: 10.1109/STCR62650.2025.11019937 . published on 03 June 2025 | SI |
| 8 | Mrs. Lakshmi N | HealthCore: A Multi-Modal Framework to Predict Leukemia Disease Using Integrative Healthcare Image Evaluation           | <i>Frontier Technologies and Solutions (ICFTS)</i> , Chennai, India, 2025, pp. 1-8, doi: 10.1109/ICFTS62006.2025.11031747. published on 20 June 2025                  | SI |