

# Book Publications

1. Dr. S. Kavitha, "Internet of Things", ISBN No. : 978-93-6260-169-8  
Charulatha Publications, Chennai, 2024.
2. Dr. S. Kavitha "Foundation of Data Science ", ISBN No.: 978-93-6260-493-4 Charulatha Publications, Chennai, 2024.

## PUBLICATIONS

1. Dr. S. Kavitha, "Effective Data Mining with Smart City Scheduling using Recurrent Encoder Neural Network", Intelligent Systems and Applications in Engineering, ISSN: 2147-6799, Vol.:12, Issue 3, 2024.
2. Dr. S. Kavitha, "Enhanced Cryptographic Performance and Security using Optimized Edward-elgammal signature scheme for IoT and block chain applications",
3. International Journal on Smart Sensing and Intelligent Systems(open access)", ISSN : 1855-0452 Vol. : 17 Issue:1, 2024
4. Dr. S. Kavitha, Enhancing "User Experience in Human-Computer Interaction Through Advanced Deep Learning Techniques for Personalized and Adaptive Interfaces", IEEE Xplore, ISBN: 979-8-3315-3994-8, 2024.
5. Dr. Gina George, " Understanding and Mitigating Burnout: A comprehensive
6. Analysis", Journal of Indian School Political Economy, ISSN: 0971-0396, Volume:36, No. 3, 2024
7. Dr. Gina George, "A Study on ERP Data Security System and Challenges
8. Faced While Protecting Employee Information", Rabindra Bharathi University Journal of Economics, ISSN: 0975-802X, Volume: XVIII, No: 20, 2025.
9. **Ms. Shanthi Subramani**, published a book chapter titled "Graph-Based Risk Analysis Using Graph Neural Networks for Mapping Cyber Threat Propagation in Large-Scale Networks" in the book Artificial Intelligence in Cybersecurity for Risk Assessment and Transparent Threat Detection Frameworks, RADemics Research Institute, ISBN: 978-93-49552-02-9, 2025. (Co-authors: Sathea Sree S, M. Sindhu).
10. Dr. Shanthi A L published a paper " Precision Agriculture: Predicting Paddy Leaf Infections Using UAV and Deep Learning Integration" in One-Day International Conference on "Sustainable AI Solutions for a Digital Future (SASDF-2025)", Department of Computer Applications, Sree Abiraami Arts and Science College for Women, Gudiyattam on 07.08.2025.
11. Ms. Susai Mary Susila A Published "Advanced Intelligent Parking Management System Leveraging IoT Integration and AI-Driven Algorithm" in One-Day International Conference on "Sustainable AI Solutions for a Digital Future

(SASDF-2025)", Department of Computer Applications, Sree Abiraami Arts and Science College for Women, Gudiyattam on 07.08.2025.

12. Dr.Tharani S Published a paper in "Driver Fatigue Detection by Using Mediapipe's Framework" in One-Day International Conference on "Sustainable AI Solutions for a Digital Future (SASDF-2025)", Department of Computer Applications, Sree Abiraami Arts and Science College for Women, Gudiyattam on 07.08.2025.
13. Ms. Gayatri S Published a paper in "Cyberbullying Tweet Classification Using NLP & Machine Learning " in One-Day International Conference on "Sustainable AI Solutions for a Digital Future (SASDF-2025)", Department of Computer Applications, Sree Abiraami Arts and Science College for Women, Gudiyattam on 07.08.2025.
14. Ms.Shanthi S Published a paper in "Green AI: Energy-Efficient AI for a Sustainable Future" in One-Day International Conference on "Sustainable AI Solutions for a Digital Future (SASDF-2025)", Department of Computer Applications, Sree Abiraami Arts and Science College for Women, Gudiyattam on 07.08.2025.
15. Dr. Jaya Vani K Published a paper in " Quantum Leap: Emerging Technologies in IT " in One-Day International Conference on "Sustainable AI Solutions for a Digital Future (SASDF-2025)", Department of Computer Applications, Sree Abiraami Arts and Science College for Women, Gudiyattam on 07.08.2025.
16. Dr. Lavanya S,Uma Mageswari K,Published a paper in "Defense Strategies for Epidemic Cyber Security Threats Modeling and Analysis Using ML",,"International Research Journal of Modernization in Engineering Technology and Science",Vol. 07, Issue 09, September 2025.
17. Dr.Shanthi AL,Bharathi S, Published a paper in "Symptom Based Disease Prediction System", "International Research Journal of Modernization in Engineering Technology and Science",Vol. 07, Issue 09, September 2025.
18. Dr. Tharani S,Aarthi E Published a paper in "Ticket Raising System" ,"International Journal of Computer Techniques (IJCT)"Vol. 12, Issue 5, September 2025.
19. Ms. Susai Mary Susila A,Harinisri M Published a paper in "Smart Rental and Selling Portal for Houses and Hostels" ,"International Research Journal of Modernization in Engineering Technology and Science",Vol. 07, Issue 09, September 2025.
20. Dr. Jayavani K,Haripriya A,Published a paper in "Next-Gen Healthcare Chatbot", "International Research Journal of Modernization in Engineering Technology and Science",Vol. 07, Issue 09, September 2025.
21. Dr. Lavanya S,Priyadarshini R Published a paper in "Breast Cancer Prediction Using Machine Learning",,"International Research Journal of Modernization in Engineering Technology and Science",Vol. 07, Issue 09, September 2025.
22. Ms. Gayatri S,Pushpalatha V Published a paper in " Social Media Forensics: Cyberbullying Tweet Classification Using NLP and Machine Learning ",,"International Research Journal of Modernization in Engineering Technology and Science",Vol. 07, Issue 09, September 2025.

23. Dr. Shanthi AL, Sandhiya E, Published a paper in “Real Time Bus Tracking System”, “International Research Journal of Modernization in Engineering Technology and Science”, Vol. 07, Issue 09, September 2025.
24. Dr. Lavanya S, published a paper titled “Integrated Climate Intelligence for Multi-Hazard Risk Assessment & Disaster Forecasting” in the IRJMETS.
25. Dr. Shanthi AL, Assistant Professor of Computer Applications(Shift II) published a paper titled “Intelligent Road Damage Detection and Maintenance System for Smart Cities Using Vision Based Deep Learning” in the IRJMETS.
26. Ms. A. Susai Mary Susila, Assistant Professor of Computer Applications(Shift II) published a paper titled “Global Currency Forecasting System with Time Series and API Analysis using Blockchain” in the JAAFR International Research Journal.
27. Dr. S. Tharani, Assistant Professor of Computer Applications(Shift II) published a paper titled “Touchless Heart Monitoring System” in the JAAFR International Research Journal. ISSN No:2984-889X, Volume 4, Issue 2, Feb-2026.
28. Ms. Shanthi S, Assistant Professor of Computer Applications(Shift II) published a paper titled “A Real Time AI Driven Touchless Multimodal Assistant Integrating Gesture Controlled Virtual Keyboard, Mouse Action and Voice Activated Typing” in the IRJMETS.
29. Ms. Gayatri S, Assistant Professor of Computer Applications(Shift II) published a paper titled “Real Time Sentimental Analysis and Trend Prediction of Youtube videos using BERT and Machine Learning ” in the IRJMETS.
30. Dr. Jayavani K, Assistant Professor of Computer Applications(Shift II) published a paper titled “Intelligent URL Risk Prediction Phishing Awareness System” in the IRJMETS.

### **Patent s Copyright Filed**

1. Dr. S. Kavitha, Indian Design Patent Titled “IOT Based Smart Irrigation System”, Application No. C Date: 13445 C 16-02-2023, Publication Date: 05-05-2023, Link : <https://search.ipindia.gov.in/DesignApplicationStatus/>.
2. Dr. S. Kavitha, UK Design Patent Titled “ Solar Plant Health Monitoring System “, Design No. 6392288, Grant Date 27-09-2024, <https://www.registered-design.service.gov.uk/find/6392288>
3. M. Anita Madona, Indian Design Patent Titled “AI and Block chain Enabled Device for Network Safety” Design No. C Date: 08121-001 C 20/02/2024, publication Date: 02/05/2024.

4. M. Anita Madona, Indian Design Patent Titled “ Deep Learning Based Agricultural Machine for Seeding” Design No. C Date: 405316-001 C 21/01/2024, Publication Date : 14/08/2024.
5. Dr. S. Kavitha, Indian Utility Patent Titled “ QR Code-Based System for the Identification and Management On Campus”, Application No. 202541012469”, Filed Date -13/02/2025 & Publication Date 21/02/2025.
6. Dr. S. Kavitha, Copyright Titled “Student Late Attendance Monitoring using Barcode”, Application No.: 10972/2025-CO/L, Publication Date 01/07/2025.4
7. Ms.Dharani R. , Indian Utility Patent Titled “ QR Code-Based System for the Identification and Management On Campus”, Application No. 202541012469”, Filed Date -13/02/2025 & Publication Date 21/02/2025.
8. **Dr. Lavanya Sivanantham**, is listed as an applicant (Applicant-3) in a patent complete specification filed under The Patents Act, 1970. The invention is titled "Continues Monitoring of Oxygen flow based on Context-aware Smart Home Caregiver System."