# ACADEMIC YEAR 2024–2025: PUBLICATION LIST

## 1. Faculty Book Chapters (2024–2025)

| S.No | Title of the Paper | Authors & Affiliation | Journal / Publisher | Volume / Issue / Pages | Month & Year | Impact Factor / Indexing | Online Link |
|---|---|---|---|---|---|---|---|
| 1 | Smart cities infrastructure and sustainable development | J.K. Kiruthika, S.K. Geetha, M. Hariprasath, P. Aisvarya, S. Chitra Devi, M. Abinaya | CRC Press | pp. - | June 2025 | Scopus | https://www.taylorfrancis.com/chapters/edit/10.1201/9781003530176-111/smart-cities-infrastructure-sustainable-development-kiruthika-geetha-hariprasath-aisvarya-chitra-devi-abinaya |
| 2 | Scalable and cost-effective electricity load prediction through cloud-AI integration | S.K. Geetha, D. Diana Julie, J.K. Kiruthika, D. Pooja, A. Prashitha Shree, C.B. Kamalavikashini | CRC Press | pp. - | June 2025 | Scopus | https://shorturl.at/99qL9 |
| 3 | cloud computing and virtualization | Prof. Khallikkunaisa, Dr.L.Aruna, Mrs. Madhavi Karumudi, Prof. B. Karthikeyan | alphainternationalpublication.com | pp. - | March 2025 | Scopus | https://alphainternationalpublication.com/product-detail.php?PID=MTEyNg== |
| 4 | The future of quantum computing in healthcare | R.M. Tharsanee, B. Vishnuupriya, C. Anand Deva Durai | Quantum Computing for Healthcare Data | pp. - | February 2025 | Scopus | https://doi.org/10.1016/B978-0-443-29297-2.00012-5 |
| 5 | Quantum Computing and Machine Learning for Advanced Cybersecurity Solutions | S. Deepajothi, C. Senthil Selvi, P. Shanmugaraja, B. Karthikeyan | IGI Global Scientific Publishing | pp. - | January 2025 | Scopus | https://www.igi-global.com/chapter/quantum-computing-and-machine-learning-for-advanced-cybersecurity-solutions/365477 |

# Department of Computer Science and Engineering

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|---|---|---|---|---|---|---|---|
| 6 | Revolutionizing e-commerce security with blockchain: Cutting-edge solutions for enhanced trust and safety | S.K. Geetha, K. Aarthi, R. Roopa, R. Guhasaravanan, T. Gopiananthan, V. Dhayananth | CRC Press | pp. - | January 2025 | Scopus | https://shorturl.at/bbzQZ |
| 7 | Revolutionizing Healthcare Industry With Quantum Artificial Intelligence (AI) and Machine Learning (ML) Techniques | P. Suresh, P. Keerthika, Manjula R. Devi, G. K. Kamalam, K. Logeswaran, Sathiya C. Kumar, P Iyappan, B V Baiju | CRC Press | pp. - | December 2024 | Scopus | https://www.taylorfrancis.com/chapters/edit/10.1201/9781032642079-7/revolutionizing-healthcare-industry-quantum-artificial-intelligence-ai-machine-learning-ml-techniques-suresh-keerthika-manjula-devi-kamalam-logeswaran-sathiya-kumar-iyappan-baiju |
| 8 | Bi-Staged Attendance Automation System with Face and Voice Detection Using Viola-Jones Recognition Algorithm | R. Devi Priya, P. Kirupa, T. Rajasekaran, S. Manoj Kumar | Springer, Cham | pp. - | November 2024 | Scopus | https://link.springer.com/chapter/10.1007/978-3-031-67762-5_19 |
| 9 | Machine Learning with Supervised Quantum Models | Nisha Soms, David Samuel Azariya, Savitha Selvi Jagathiswaramoorthi, Mohanraj Vijayakumar | Quantum Machine Learning, Taylor and Francis | pp. - | October 2024 | Scopus | https://www.taylorfrancis.com/chapters/edit/10.1201/9781003429654-5/machine-learning-supervised-quantum-models-nisha-soms-david-samuel-azariya-savitha-selvi-jagathiswaramoorthi-mohanraj-vijayakumar |
| 10 | Safety and security challenges in implementing urban air mobility | Rathinasamy D., Sivaramakrishnan R., Pavithra R., Kaliappan V.K. | River Publishers | pp. - | October 2024 | Scopus | https://www.riverpublishers.com/book_details.php?book_id=1153 |

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|---|---|---|---|---|---|---|---|
| 11 | Toward future transportation: History, adoption, research, and development, challenges in urban aerial mobility | Sivaramakrishnan R., Rathinasamy D., Budiyono A., Dugki M. | River Publishers | pp. - | October 2024 | Scopus | https://ieeexplore.ieee.org/document/10634285 |
| 12 | Urban Guardians Empowering Communities for Sustainable City Management using Quantum Computing | Kiruthika JK, Yawanikha T, Jeevan M, Hariprasath M, Aisvarya P, Chitra Shanmugam | IGI Global Scientific Publishing | pp. - | October 2024 | Scopus | https://www.igi-global.com/book/real-world-applications-quantum-computers/336532 |
| 13 | Fundamentals of Quantum Machines | Soham S. Bhoir, Harshal H. Dave, Devi Priya Rangasamy | Quantum Machine Learning, CRC Press | pp. - | October 2024 | Scopus | https://www.taylorfrancis.com/chapters/edit/10.1201/9781003429654-3/fundamentals-quantum-machines-soham-bhoir-harshal-dave-devi-priya-rangasamy?context=ubx&refId=72d699de-f99a-499d-a610-8cabd209bff1 |
| 14 | Reinforcement Learning Approaches for Urban Air Mobility/Navigation and Traffic Control Systems | Sango Woo Jeon, J. Dharani, Min Dugki, Vishnu Kumar Kaliappan | River Publishers, USA | pp. - | October 2024 | Scopus | https://ieeexplore.ieee.org/document/10634284 |
| 15 | Urban aerial mobility concepts, modeling, and challenges: A review | Premkumar Duraisamy, Natarajan Y., Sri Preethaa K.R. | River Publishers, USA | pp. - | October 2024 | Scopus | https://ieeexplore.ieee.org/document/10634281 |
| 16 | A Contemporary Survey on the Effectiveness of Machine Learning for Detection and Classification of Cyber Attacks in IoT Systems | P. Suresh, P. Keerthika, Manjula Devi R., S. Maheswaran, Kishor Kumar Sadasivuni, N. Anusha, Shreeya Sanjeev Gokhale | IGI Global | pp. - | Oct 2024 | Scopus | https://www.igi-global.com/chapter/a-contemporary-survey-on-the-effectiveness-of-machine-learning-for-detection-and-classification-of-cyber-attacks-in-iot-systems/358732 |

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|---|---|---|---|---|---|---|---|
| 17 | Identifying the features and attributes of various artificial intelligence-based healthcare models | Nisha Soms, David Samuel Azariya S., Abhinaya Saravanan A. | Data Science in the Medical Field, Academic Press | pp. - | September 2024 | Scopus | https://www.sciencedirect.com/science/article/abs/pii/B9780443240287000064 |
| 18 | A new paradigm in smart healthcare: Metaverse methodologies for prevention of obesity and chronic diseases | M Sangeetha, P Keerthika, R Manjula Devi, P Suresh, C Sagana, K Devendran | Academic Press | pp. - | July 2024 | Scopus | https://www.sciencedirect.com/science/article/abs/pii/B9780443135651000014 |
| 19 | An optimizing car parking solution based on android application | JK Kiruthika, E Saranya, SK Geetha, R Aravind Rajan, SR Dharanidharan, RC Dhayaneshwarr | New Delhi, India | pp. - | June 2024 | Scopus | https://shorturl.at/LdotK |
| 20 | Creative AI: A digital transformation | JK Kiruthika, P Manimozhi, SK Geetha, R Aravind Rajan, SR Dharanidharan, RC Dhayaneshwarr | New Delhi, India | pp. - | June 2024 | Scopus | https://shorturl.at/YGd9Z |
| 21 | Enhancing Decentralized Privacy Through Integration of Blockchain with IoT for Healthcare Applications | R Manjula Devi, M Sangeetha, R Venkatesan, Lalitha Balasubramanian, P Keerthika | Blockchain Technology for the Engineering and Service Sectors & John Wiley & Sons, Inc. | pp. - | July 2025 | Scopus | https://www.researchgate.net/publication/392686726_Enhancing_Decentralized_Privacy_Through_Integration_of_Blockchain_with_IoT_for_Healthcare_Applications |
| 22 | Sustainable AI-Powered Systems and Cybersecurity for Health Diagnostics: Addressing Bias and Fairness in AI for Early Disease Detection | S. Savitha, R. Keerthana, K. Logeswaran, V. Vennila , R. Manjuladevi , and M. Sangeetha | AI-Driven Healthcare Cybersecurity and Privacy | pp. - | July 2025 | Scopus | https://www.igi-global.com/chapter/sustainable-ai-powered-systems-and-cybersecurity-for-health-diagnostics/376824 |

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|---|---|---|---|---|---|---|---|
| **23** | Long Short-Term Memory Models and Mediapipe Based Framework for Indian Sign Language Translator. | Karthika, K., Devi Priya, R., Sathishkumar, S., Ramamoorthy, R., Radhika, K. | In: Bajaj, A., Sreedhar, S., Abraham, A. (eds) Bio-Inspired Computing. IBICA 2023. Lecture Notes in Networks and Systems, | pp. - | June 2025 | Scopus | https://link.springer.com/chapter/10.1007/978-3-031-78943-4_27 |