# ACADEMIC YEAR 2023–2024: PUBLICATION LIST

## 1. Faculty Book Chapters (2023–2024)

| S.No | Title of the Paper | Authors & Affiliation | Journal / Publisher | Volume / Issue / Pages | Month & Year | Impact Factor / Indexing | Online Link |
|---|---|---|---|---|---|---|---|
| 1 | From Remote Monitoring to Personalized Care: A Review of IoT-Based Patient Engagement Solutions in Healthcare | SJ Suji Prasad, R Manjula Devi, P Keerthika, P Suresh, A Rex Macedo Arokiaraj, M Sangeetha | CRC Press | March 2024 | March 2024 | Scopus | https://www.taylorfrancis.com/chapters/edit/10.1201/9781003466949-17/remote-monitoring-personalized-care-suji-prasad-manjula-devi-keerthika-suresh-rex-macedo-arokiaraj-sangeetha |
| 2 | IoT Enabled Smart Transportation System | Premkumar D, Yuvaraj N, Niranjini V | Nova Science Publishers | January 2024 | January 2024 | Scopus | https://doi.org/10.52305/ZTKF5521 |
| 3 | Internet of Things for Smart Cities: Overview and Challenges | A Suganya, S Manoj Kumar | Nova Science Publishers | January 2024 | January 2024 | Scopus | https://doi.org/10.52305/ZTKF5521 |
| 4 | CardioSegNet meets XAI: A Breakthrough in Left Ventricle Delineation within Cardiac Diagnostics | Abhinaya Saravanan, S. David Samuel Azariya, Nisha Soms | Explainable AI (XAI) for Sustainable Development | 2024 | June 2024 | Scopus | https://www.taylorfrancis.com/chapters/edit/10.1201/9781003457176-9/cardiosegnet-meets-xai-abhinaya-saravanan-david-samuel-azariya-nisha-soms |
| 5 | Deep learning system based naturalistic communication in brain-computer interface for quadriplegic patient | Dr.N.Yuvaraj, K. Mouthami, Gitanjali Wadhwa | ELSEVIER | November 2023 | November 2023 | Scopus | https://shop.elsevier.com/books/computational-intelligence-and-deep-learning-methods-for-neuro-rehabilitation-applications/hemanth/978-0-443-13772-3 |

# Department of Computer Science and Engineering

## KPR Institute of Engineering and Technology

| S.No | Title of the Paper | Authors & Affiliation | Journal / Publisher | Volume / Issue / Pages | Month & Year | Impact Factor / Indexing | Online Link |
|---|---|---|---|---|---|---|---|
| 6 | Deep learning method for adult patients with neurological disorders under remote monitoring | K Kathiresan, T. Preethi, N. Yuvaraj, S. Karthic, K.R. Sri Preethaa | ELSEVIER | November 2023 | November 2023 | Scopus | https://shop.elsevier.com/books/computational-intelligence-and-deep-learning-methods-for-neuro-rehabilitation-applications/hemanth/978-0-443-13772-3 |
| 7 | Ergonomic Prevention Method Based on the UX Index to Assess Industrialized Tasks From a Human-Centered Standpoint | Hemawathi M. S., Sivaramakrishnan R., Dhanasekaran P., Pavithra R., Illavarasi S. | IGI Global Publisher | November 2023 | November 2023 | Scopus | https://www.igi-global.com/book/human-centered-approaches-industry/333621 |
| 8 | IoT Devices in Healthcare | A Suganya, S Manoj Kumar | IGI Global Publisher | October 2023 | October 2023 | Scopus | https://www.igi-global.com/chapter/iot-devices-in-healthcare/332204 |
| 9 | Dynamic Detection of Malwares Using Deep Learning Techniques | M. Nivaashini, R. S. Soundariya, B. Vishnupriya, R. M. Tharsanee | WILEY ONLINE LIBRARY | October 2023 | October 2023 | Scopus | https://onlinelibrary.wiley.com/doi/epdf/10.1002/9781119910619.ch2 |
| 10 | Implementation of a Distributed Electronic Voting System Using a Blockchain-Based Framework | Nisha Soms, Lawrance J, Harshitha R, Dakshineshwar D.S. | EAI/Springer | October 2023 | October 2023 | Scopus | https://link.springer.com/chapter/10.1007/978-3-031-35751-0_10 |
| 11 | Blockchain-Based Decentralized Student Verification Platform | Nisha Soms, Adhithyan S, Lokesh M.S., Madhumitha K. | EAI/Springer | October 2023 | October 2023 | Scopus | https://link.springer.com/chapter/10.1007/978-3-031-35751-0_14 |

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|---|---|---|---|---|---|---|---|
| 12 | Defect Exposure in Vegetables and Fruits using Machine Learning Algorithms | P.Chinnasamy, K.B.Sri Sathya, Rameshkumar Ayyasamy, V. Praveena, Arulananth TS | CRC Press, Taylor & Francis Group | September 2023 | September 2023 | Scopus | https://www.taylorfrancis.com/chapters/edit/10.4324/9781003388982-47/defect-exposure-vegetables-fruits-using-machine-learning-algorithms-chinnasamy-sri-sathya-ramesh-kumar-ayyasamy-praveena-arulananth |
| 13 | Multivariate Cryptosystem Based on a Quadratic Equation to Eliminate the Outliers Using Homomorphic Encryption Scheme | M.Janani, Jeevitha.R, Jaikumar.R, Suganthi.R, Jhansi Ida.S | Homomorphic Encryption for Financial Cryptography - Springer | August 2023 | August 2023 | Scopus | https://link.springer.com/chapter/10.1007/978-3-031-35535-6_13 |
| 14 | Futuristic Adoption of Blockchain Technology in the Smart Agriculture and Food Industry: Basic Concepts, Structure, Characteristics, Applicabilities | S.K.Geetha, Rajasekaran Thangaraj, J. K. Kiruthika, A. Devipriya, M. Naveenkumar | IGI Global Publisher | August 2023 | August 2023 | Scopus | https://www.igi-global.com/chapter/futuristic-adoption-of-blockchain-technology-in-the-smart-agriculture-and-food-industry/327601 |
| 15 | Advancements in Machine Learning Techniques for Optimizing Cognitive Radio Networks: A Comprehensive Review | Niranjani V, Premkumar Duraisamy, M. Priyadharshan, B. Gayathri | AnaPub Publications | June 2023 | June 2023 | Scopus | https://doi.org/10.53759/acims/978-9914-9946-9-8_20 |
| 16 | Cyber-Physical Systems in Agriculture: Applications, Challenges, and Future Perspectives | C.Sasikala, L. Dharani | IGI Global Publisher | June 2023 | June 2023 | Scopus | https://www.igi-global.com/chapter/cyber-physical-systems-in-agriculture/327596 |

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|---|---|---|---|---|---|---|---|
| 17 | Industrial Internet of Things and Industry 4.0: A learner's perspectives toward quantum technologies | Nisha Soms, Kalyani S, Rohini M, Oswalt M.S | De Gruyter | August 2023 | August 2023 | Scopus | https://www.degruyter.com/document/doi/10.1515/9783110791402-013/html |
| 18 | Applications of quantum AI for healthcare | K. Sasi Kala Rani, Priyadharsheni J M, Karthikeyan, G. S. Pugalendhi | De Gruyter | August 2023 | August 2023 | Scopus | https://www.degruyterbrill.com/document/doi/10.1515/9783110791402/html |
| 19 | Edge-Cloud Collaborative Inference Expending Federated Learning in Task Migration | Vishnu Kumar Kaliappan, Sakthivel Velusamy, P Dhanasekaran, S Gnanamurthy, S Illavarasi | Pioneering Smart Healthcare 5.0 | February 023 | Feb 2024 | Scopus | https://www.igi-global.com/chapter/edge-cloud-collaborative-inference-expending-federated-learning-in-task-migration/339429 |
| 20 | Safety for Digital Immersive Environments and Social Economic Dynamics Based on Designing the Metaverse | S Vinoth Kumar, Vishnu Kumar Kaliappan, A Suresh, B Suresh Kumar, SV Manikanthan | IGI Global Publisher | January 2023 | Jan 2024 | Scopus | https://www.igi-global.com/chapter/safety-for-digital-immersive-environments-and-social-economic-dynamics-based-on-designing-the-metaverse/337107 |