

## Publications: 2021-2022

### Publication by Faculty

- Abin Oommen Philip published the paper “Blockchain-based Framework for Investigating Pedestrian and Cyclist Hit and Run Cases on the Internet of Vehicles Era,” 2021 Fifth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC), 2021, pp. 110-118, DOI: 10.1109/I-SMAC52330.2021.9640891. IEEE Xplore.
- Leda Kamal published the article “Blockchain: A Compendium on Contemporary Privacy Preservation Approaches and Its Manifestation in Varied Realms.” in Lecture Notes in Networks and Systems book series (LNNS, volume 420), HIS 2021: Hybrid Intelligent Systems pp 517-529 DOI-[https://doi.org/10.1007/978-3-030-96305-7\\_48](https://doi.org/10.1007/978-3-030-96305-7_48), ISBN-978-3-030-96305-7.
- Mithu Mary George and Dr Rasmi P S published the paper “Performance Comparison of Apache Hadoop and Apache Spark for COVID-19 Data Sets”, 2022 Fourth International Conference on Smart Systems and Inventive Technology (ICSSIT 2022), Page(s):1659 – 1665, doi:10.1109/ICSSIT53264.2022.9716232. IEEE Xplore
- Anuraj C K published the paper “Identification of drowning victims in freshwater bodies using drift prediction and image processing based on deep learning”, 2021 International Conference on Advances in Computing and Communications (ICACC), 21-23 Oct. 2021, IEEE Xplore: 15 February 2022, DOI: 10.1109/ICACC-202152719.2021.9708245.
- Sajith P. J. published the paper “Intrusion Detection System using Deep Belief Network & Particle Swarm Optimization.” Wireless Personal Communications (2022): 1-19, March 2022, <https://doi.org/10.1007/s11277-022-09609-x>
- Sajith P. J. published the paper “Network intrusion detection system using ANFIS classifier.” Soft Computing (2022): 1-10., March 2022, <https://doi.org/10.1007/s00500-022-06854-x>
- Abin Oommen Philip published the paper “Study on Incident Detection and Management of Vehicular OBD Data on Blockchain”, 2022 6<sup>th</sup> International Conference on Computing Methodologies and Communication (ICCMC), IEEE Xplore: 13 April 2022, DOI: 10.1109/ICCMC53470.2022.9753950
- Saira Varghese published the paper “Securing utility computing using enhanced elliptic curve cryptography and attribute-based access control policy” in the International Journal of Grid and Utility Computing, ISSN online 1741-8488, ISSN print 1741-847X (in press)

### Publication by Student

- Sreejith J Kumar, Abin Oommen Philip published a paper titled “Achieving Market Segmentation from B2B Insurance Client Data Using RFM & K-Means Algorithm” in IEEE Xplore (Scopus Indexed), March 2022, DOI: 10.1109/SPICES52834.2022.9774051 Conference: IEEE International Conference on ‘Signal Processing, Informatics, Communication and Energy Systems (SPICES)’
- Anjana Unnikrishnan; A T Roshni; P R Anusha; Anju M Vinny; published paper “Identification of Drowning Victims in Freshwater Bodies using Drift Prediction and Image Processing based on Deep Learning”, 2021 International Conference on Advances in Computing and Communications (ICACC), 21-23 Oct. 2021, IEEE Xplore: 15 February 2022, DOI: 10.1109/ICACC-202152719.2021.9708245
- I P Raghesh Kumar; Rithin Varghese; Nandu Nagesh; Vyshnav Sasidharan published paper “Study on Incident Detection and Management of Vehicular OBD Data on Blockchain”, 2022 6<sup>th</sup> International Conference on Computing Methodologies and Communication (ICCMC), IEEE Xplore: 13 April 2022, DOI: 10.1109/ICCMC53470.2022.9753950