

Faculty Profile



Name: Dr. S. KAUSHIK

Designation: Associate Professor

Teaching Areas: Cloud Computing, Computer Networks, Programming in C, Internet of Things (IoT), Blockchain Technology.

Research Interests: Cloud Computing, Internet of Things (IoT), Deep Learning, Blockchain Technology.

Education:

- **Ph.D.** from **VIT University**, Vellore, Tamilnadu, India. Year of Completion: **2015**.
- **M.E. (Computer Science & Engineering)** from **Mepco Schlenk Engineering College**, Sivakasi, Affiliated to **Anna University, Chennai**, India. Year of Completion: **2008**.
- **B. Tech (Computer Science & Engineering)** from **SASTRA University**, Thanjavur, Tamilnadu, India. Year of Completion: **2005**.

Research / Selected Publications:

Journal Publications (25):

1. Praveena, N., Kapil Juneja, Mamoon Rashid, Alaa Omran Almagrabi, Kaushik Sekaran, Rajakumar Ramalingam, and Muhammad Usman. "Hybrid gated recurrent unit and convolutional neural network-based deep learning mechanism for efficient shilling attack detection in social networks." **Computers and Electrical Engineering** 108 (May 2023): 108673, Elsevier, (**SCI-E Indexed**), **Impact Factor: 4.152**.
2. Content based load balancing of tasks using task clustering for cost optimization in cloud computing environment by Kaushik Sekaran and VenkataKrishna.P, in International Journal of Advanced Intelligence Paradigms(IJAIP), Inderscience Publishers, **2022**, Vol.21, No.1/2, pp.1 – 17 (**SCOPUS Indexed**).
3. "Improving The Response Time of M-Learning and Cloud Computing Environments Using a Dominant Firefly Approach", Kaushik Sekaran, Mohammed S. Khan, **IEEE Access**, Volume: 7, Page: 30203 – 30212, **Feb 2019** – ISSN: 2169-3536, (**SCI-E indexed**).

International Conferences (5):

Presented a research paper "Data Integrity Protection using Multi Level Reconstructive Error Data and Auditing for Cloud Storage" in the International Conference FICTA-2023, Cardiff Metropolitan University, Llandaff Campus, Cardiff, United Kingdom. **April 2023**, Publisher: **Springer Series (SCOPUS)**.

Book Chapters (4):

Blockchain-Based Systems for the Modern Energy Grid, Chapter-13, Blockchain-based systems for modern energy grid: a detailed view on significant applications of blockchain for the smart grid, **Elsevier**, Kaushik Sekaran, J.Kalaivani, M.Nikhil raghava rao, **2022**, Pages 203-216. <https://doi.org/10.1016/B978-0-323-91850-3.00011-1>. (SCI-E & SCOPUS Indexed).

Patents (3):

Indian Patent Title: "Improved Authentication and Computation of Medical Data Transmission In The Secure IoT Using Hyperelliptic Curve Cryptography.", **2022**, Application Number: IN-202141058582.