Dr. Nisha, Ph.D.

Designation : Assistant Professor

Department : Department of Computer Science and Engineering

(JOINED THE INSTITUTE IN 2026)

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RESEARCH INTERESTS

- ✓ Machine Learning
- ✓ Internet of Things
- ✓ Wireless Sensor Networks
- ✓ Artificial Intelligence

Academic Qualifications

- ✓ Ph. D. (CS), Banaras Hindu University, Varanasi, India
- ✓ M. Phil (CS), North Orissa University, Baripada, India
- ✓ M. Sc. (CS), Pondicherry University, India

Teaching Experience/Industrial Experience/Research Experience

- ✓ 1.5 years of teaching experience.

PUBLICATIONS

JOURNAL ARTICLES

[1]. Nisha, & Suresh, S. (2024). A Performance Efficient Quadrant-Based Scheme for Multiple Assets Location Preservation in Wireless Sensor Networks. IETE Journal of Research, 1-16

[2]. Nisha, & Suresh, S. (2024). A Confounding-Domain Randomized Approach for Providing Source Location Privacy Preservation for Wireless Sensor Networks. IETE Technical Review, 1-15

[3]. Nisha, & Suresh, S. (2025). A Red- Zone- Based Randomized Angular Routing Protocol for Multisource Location Privacy in IoT Applications. International Journal of Communication Systems, 38(5), e6014

[4]. Nisha,& Suresh, S. (2023). Energy Efficient Grid-Based Routing Scheme for Securing Source Location Privacy in Social Internet of Things. *Ad Hoc & Sensor Wireless Networks*.
[5]. Singh, N., & Suresh, S. (2023). Analysis of Context-Oriented Source Location Privacy Preservation Techniques for Wireless Sensor Networks. SN Computer Science, 4(6), 790. http://dx.doi.org/10.1007/s42979-023-02219-9
[6]. Nisha, & Selvam, Suresh. (2020). Context Oriented Source Location Privacy Protection Techniques for Event Monitoring Wireless Sensor Networks. *Journal of scientific research*. 64. 229-235. doi: 10.37398/JSR.2020.640145.

CONFERENCE PAPERS

[1]. Nisha, & Suresh, S. (2023, January). A Hybrid Approach for Preserving Source Location Privacy for Wireless Sensor Networks. In International Conference on Machine Intelligence and Smart Systems (pp. 242-252). Cham: Springer Nature Switzerland.
[2]. Nisha, & Suresh, S. (2023). Backward Random Walk-based Source Location Protection in Sensor Network. International Conference on Recent Trends in Data Science and its Applications (ICRTDA 2023). IEEE, 2023.*)http://dx.doi.org/10.13052/rp-9788770040723.017*.
[3]. S. Mohapatra, P. Sen, Y. Kumar and Nisha, "A *Comparative Analysis of XGBoost, Ridge Regression, and LSTM for Stock Price Prediction,*" 2025 International Conference on Cognitive, Green and Ubiquitous Computing (IC-CGU), Bhubaneswar, India, 2025, pp. 1-5, doi: 10.1109/IC-CGU67042.2025.11338062.

PATENTS

- Design Number: 427300-001

  Title: "AI Based Soil Loosening Device"

  Publication Date: 24/10/2024

ANY OTHER