

Dr. Nisha Kandhoul



1. Name, Designation, Qualification: Dr. Nisha Kandhoul, Assistant Professor, M.Tech, Ph.D.

2. Area of Interest: Computer Networks, Wireless Sensor Networks, Opportunistic Networks, Network and Information Security, Internet-of-Things, Cloud Computing, AI, Machine Learning and Deep Learning.

3. List of Publications:

- Dhurandher, Sanjay K., Nisha Kandhoul, Isaac Woungang, and Han-Chieh Chao. "Energy efficient random forest classifier-based secure routing for opportunistic internet of things." *International Journal of Ad Hoc and Ubiquitous Computing* (2024).
- Nisha Kandhoul and S.K. Dhurandher, "Deep Q learning based secure routing approach for OppIoT networks." *Internet of Things* 20 (2022): 100597. <https://doi.org/10.1016/j.iot.2022.100597>. (SCIE indexed Impact Factor 5.71)
- Nisha Kandhoul and S.K. Dhurandher, "An Efficient and Secure Data Forwarding Mechanism for Opportunistic IoT." *Wireless Personal Communications* 118, 217–237 (2021). <https://doi.org/10.1007/s11277-020-08010-w>. (SCIE indexed Impact Factor 2.701)
- Nisha Kandhoul, Sanjay K. Dhurandher, and Isaac Woungang. "Random forest classifier-based safe and reliable routing for opportunistic IoT networks." *International Journal of Communication Systems* 34, no. 1 (2021): e4646. <https://doi.org/10.1002/dac.4646>. (SCIE indexed Impact Factor 1.882)
- Kandhoul, Nisha, Sanjay K. Dhurandher, and Isaac Woungang. "T_CAFE: a trust based security approach for opportunistic IoT." *IET Communications* 13, no. 20 (2019): 3463-3471.

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10. Bio Sketch: Dr. Nisha Kandhoul is an Assistant Professor at Netaji Subhas University of Technology, Delhi, India. She received her B.Tech. degree in Computer Science and Engineering from Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonapat, Haryana. She received her M.Tech and Ph.D. degree from Department of Information Technology, Netaji Subhas University of Technology (Formerly NSIT), University of Delhi, New Delhi. She qualified NET in Computer Sciences conducted by UGC and qualified GATE exam conducted by IIT's. She has two years of work experience in industry

(Dunhumby, India). Her research interests include Computer Networks, Wireless Sensor Networks, Opportunistic Networks, Network and Information Security, Internet-of-Things, Cloud Computing, AI, Machine Learning and Deep Learning. She is a reviewer of many reputed international journals.