Faculty Profile

Name: ANKITA LAKRA

Designation: ASSISTANT PROFESSOR

Teaching Area: Computer Science and Engineering.

Research Interest: WIRELESS SENSOR NETWORK

Experience (In Years): 16 Years and 4 Months

Academic qualifications: M. Tech, Ph.D. Pursuing.

Major Research Publications / Presentation:

1. **Published Paper:** Title: "Utilization of Tabu Search Algorithm in IoT – Equipped WSN for Energy – Efficient Cluster Head Selection. Journal of Information Systems Engineering and Management" 2025, 10(38s), e-ISSN: 2468-4376.
2. **Presented and Published Paper:** Title: "Improving the Efficiency of Wireless Rechargeable Sensor Networks: A Systematic Review". *5th International Conference on Futuristic Trends in Networks and Computing Technologies at IEI, Chandigarh* ,Volume 259,2025, Pages 553-561, https://doi.org/10.1016/j.procs.2025.04.004
3. **Presented Paper:** Title: "Basic Requirements for A Cluster Based Mobile Charging Method in Wireless Rechargeable Sensor Network". 3rd International Conference on Emerging Application of Material Science and Technology (ICEAMST 2025), IEEE, 2025.
4. **Presented and Published Paper:** Title: "Internet of Things (IoT) from the Viewpoint of Energy Efficiency and Security: A Review", *Department of Electrical Engineering, BIT Sindri, Dhanbad (December 7-8, 2024)*. ISBN Information: **ISBN:** 979-8-3315-1840-0, IEEE Xplore, https://ieeexplore.ieee.org/document/10985137.
5. **Communicated Paper:** Title: " Energy-Aware Mobile Charging Schemes for WSN: A Markov Decision Process Approach ". ASEAN Journal on Science and Technology for Development.
6. **Published Paper**: Title: "Speech Measuring Following Semiconductor Feature for Acoustic Using Biodegradable Material" IEEE Xplore, https://doi.org/10.1109/IDCIOT64235.2025.10914707.
7. **Published Paper**: Title : " Cognitive Computing with Deep Neural Networks" , IEEE Xplore , https://doi.org/10.1109/AECE62803.2024.10911585
8. **Published Paper**: Title : " Analysis of Departmental Data" , IEEE Xplore , https://doi.org/10.1109/ICAC2N63387.2024.10895006.