Ms. Anvita

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Indian Institute of Information Technology (IIIT)
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Academic Background

- **Ph.D.:** **Ph.D. in Computer Science & Engineering, BIT Mesra, Ranchi**, India, (2025)

  Thesis Title: Some Investigations on Intelligent Approaches for Topology Maintenance in Industrial Wireless Sensor Network.

- **M. Tech.:** **M. Tech. in Computer Science, BIT Mesra, Patna**, India, (2015)

  Thesis Title: Remote Access by Using Dynamic IP Address.

- **B. Tech.:** **B. Tech. in Computer Engineering, AIET Jaipur,** India, (2011)

- **Intermediate:** **12ᵗʰ from Banasthali Vidyapith, Rajasthan,** India, (2007)

- **Matriculation:** **10ᵗʰ from Banasthali Vidyapith, Rajasthan,** India, (2005)

Areas of Specialization

- Wireless Sensor Network
- Artificial Intelligence

Teaching Experiences

- Currently working as **Assistant Professor** (Adhoc), in Department of Computer Science & Engineering, at **Indian Institute of Information Technology Bhagalpur,** Bihar, India since **3ʳᵈ February 2025.**

- Worked as **Assistant Professor** (Guest), in Department of Computer Science & Engineering, at **Nalanda College of Engineering (NCE)**, Chandi, Bihar from **18ᵗʰ Feb,**

2016 to 30th Dec, 2017.

- Worked as **Lab Technician** (Guest) in Department of Mathematics, at **National Institute of Technology Patna**, Bihar, India during **August 2012 to Dec 2012.**

Publications

- **Nandan, A.**, & Snigdh, I. (2025). Adopting fuzzy multi-criteria decision-making ranking approach ensuring connected topology in industrial wireless sensor networks. *Soft Computing*, *29*(4), 2247-2261.
- **Anvita** & Snigdh, I. (2020, February). A Multi-Level Type II Fuzzy Logic based Prediction of Connectivity in a Wireless Sensor Network. In *2020 International Conference on Inventive Computation Technologies (ICICT)* (pp. 597-602). IEEE.A

- Strategic Topology Construction: Leveraging Game Theory for optimal connectivity in Industrial Wireless Sensor Networks. International Journal of Wireless Information Networks (Under review).

- Minimizing delay and energy consumption through Efficient Relay Node Positioning for Industrial IoT Applications- A DBSCAN Clustering approach. Communicated in Scientific Reports.

Short Term Course, and Faculty Development Program

[1] Attended Two weak training program on "Data Structures and Algorithms" from 15th to 24th Dec, 2015 at NIT Patna.
[2] Participated in Faculty Development Program (FDP) on "Fundamentals of Computer Networks and Security" From 24th May to 2nd June, 2017 at NIT Patna
[3] Participated in the 3rd workshop on "Machine Learning and Data Analytics (MLDA'19)" from 25th – 31st May, 2019 at IIIT Allahabad.

References

Dr. Itu Snigdh (Ph.D. Supervisor)

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Declaration:

I hereby declare that all the statements made above are true to the best of my knowledge and belief.

Anvita