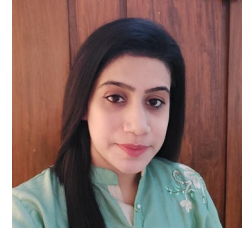# Faculty Profile

Name: **Dr. NIDA FATIMA**

Designation: **Assistant Professor**

Teaching Areas: Computer Networks, Database Management Systems, Programming in C, Data Structures, Reinforcement Learning

Research Interests: Edge Computing, Non-Terrestrial Networks, Reinforcement Learning, Internet of Things

Education:

- PhD in Computer Science, BITS Pilani Hyderabad Campus, Hyderabad, India, 2025.
- M.Tech. in Computer Science, JNTUH, Hyderabad, India, 2015.
- B.Tech. in Computer Science and Engineering, JNTUH, Hyderabad, India, 2012.

Research / Selected Publications:

1. Nida Fatima, Paresh Saxena, and Manik Gupta. "Integration of multi access edge computing with unmanned aerial vehicles: Current techniques, open issues and research directions." *Physical Communication* 52 (2022): 101641.
2. Nida Fatima, Paresh Saxena, and Giovanni Giambene. "Deep reinforcement learning based computation offloading for xURLLC services with UAV-assisted IoT-based multi-access edge computing system." *Wireless Networks* 30.9 (2024): 7275-7291.
3. Harsha Varun, Nida Fatima, Manik Gupta, and Paresh Saxena. "Relationship between resource scheduling and distributed learning in IoT edge computing—An insight into complementary aspects, existing research and future directions." *Internet of Things* 28 (2024): 101375.
4. Nida Fatima, Paresh Saxena, and Giovanni Giambene. "Computation Offloading in NTN-empowered MEC using Multi-Agent Distributed Deep Reinforcement Learning." GLOBECOM 2024-2024 IEEE Global Communications Conference. IEEE, 2024.
5. Pattiwar Shravan, Nida Fatima, and Paresh Saxena. "Performance analysis of Multipath Transport layer schedulers under 5G/B5G hybrid networks." 2022 14th International Conference on COMmunication Systems & NETworkS (COMSNETS). IEEE, 2022.