



PhD Position – AI in Optical Communication & Networking

Broadband Information Transport and Secured Optical Network (BITS-ON) Group

IIIT Delhi (New Delhi, India)

<https://bitson.iiitd.ac.in>

Fellowship: Rs. 60,000 per month (As per IIIT-Delhi norms)

About the Position:

Fully funded PhD position under an NSF–MEITY Joint Collaborative Research Project. The selected student will be formally registered as a PhD scholar at IIIT Delhi and will collaborate closely with researchers at IIT Madras and University of California, Davis. Research focuses on AI-driven optical network design, intelligent IP-over-optical architectures, machine learning for quality of transmission estimation, and data-driven network optimization with experimental validation on advanced optical communication testbeds.

Essential Skills:

- Strong background in Artificial Intelligence & Machine Learning
- Proficiency in Python programming
- Knowledge of IP Networks and Optical Communication

Eligibility Criteria:

- Master's degree in CSE / ECE or related discipline
- Strong foundation in AI/ML and Networks
- CGPA ≥ 7.5 (or equivalent)
- Good interpersonal and communication skills

Note: Fulfilment of the above eligibility criteria does not guarantee selection. Shortlisting is contingent upon the evaluation of the experts.

Application Process:

<https://forms.gle/kNQ9aw6kvDoxZ4pf6>

Upload: CV (PDF) and Statement of Purpose (1 page).