

Advertisement for the PhD position in National Quantum Mission funded project

Applications are invited for the position of PhD position in the Department of Physics, IIT Hyderabad, for the Department of Science and Technology National Quantum Mission (DST-NQM) funded project “Quantum annealing and optimization: mobility, multi-modal logistics, railway resource scheduling and related problems”. The details of the position are given below:

- **Name of the Post:** PhD
- **Number of Positions:** One (1)
- **Remuneration:** JRF: ₹ 37000 per month for 2 years, SRF: 42000 per month for 2 years + HRA (as per institute norms)
- **Supervisors:** Dr. Archak Purkayastha and Dr. Atanu Rajak, Department of Physics, IIT Hyderabad.
- **Essential qualifications:**
 1. GATE score ≥ 455 (GEN), 432 (OBC), 343 (EWS/PWD), 240 (SC/ST).
 2. M.Tech or MSc in Physics, Quantum Technology and other relevant fields.
- **Highly desired qualifications and skills:**
 1. M.Tech, MSc in Quantum Technology relevant course preferred.
 2. Prior experience in quantum and classical spin systems, and tensor network techniques in one and two dimensions are highly desirable.
- **How to Apply:** Send email to archak.p@phy.iith.ac.in, with subject line: “PhD application NQM Quantum Annealing”, and the following attachments
 1. cover letter.
 2. CV mentioning at least one potential referee for recommendation letter.
 3. GATE score certificate.
 4. OBC/EWS/PWD/SC/ST certificate, if applicable.
- **Deadline for application:** 15 Oct, 2026
- **Selection Process:** The selection will be based on an online interview, the interview date will be communicated to the shortlisted candidates by 20 Oct, 2026.