

Department of Physics
Indian Institute of Technology Hyderabad
Kandi Sangareddy Telangana – 502284
Advertisement for the Post of Research Associate
(Date: 08.09.2026)

Applications are invited for the following position in a research project to be carried out at the Department of Physics, IIT Hyderabad

1	Name of post	Research Associate-I
2	Project title	QUANTUM ANNEALING AND OPTIMIZATION: MOBILITY, MULTI-MODAL LOGISTICS, RAILWAY RESOURCE SCHEDULING AND RELATED PROBLEMS
3	Job Description	Developing Quantum Annealing Simulator with speed-up protocols, Solving real-world problems using Quantum Annealing
4	Funding agency	DST-NQM
5	Duration of project	1 year as Research Associate-I with possibility of extension for 2 more years as Research Associate-II and III, respectively
6	Monthly compensation	Rs. 58,000+ HRA according to norms of the funding agency and institute
7	Minimum eligibility requirements	Ph.D. in Theoretical Condensed Matter Physics, Quantum Physics, Quantum Chemistry, Computer Science and related fields from recognized Institutes/Universities with strong background and interest in programming and numerical studies.
8	Desirable qualifications	Prior research experience in quantum optimization algorithms, driven dissipative quantum systems, AI/ML.

Application procedure

- Prepare a single pdf file containing the following information
 - A Curriculum Vitae detailing your education and work history and experience
 - Self-attested Masters mark sheets/transcripts and PhD certificate ((at least provisional degree certificate)
 - A brief statement (maximum 1 page) on your motivation to undertake this project and how you think you can contribute to it considering your present expertise
 - Contact details of two referees
 - Links of two relevant research papers
- **How to apply:** Fill out the google form [here](#)
- After filling your application, please send an email at atanu@phy.iith.ac.in (**Without any attachment strictly**). Please mention “**Application for RA, IITH: Your Name**” in the subject line
- **Last date for submission of application:** 22 September 2026

Selection process: Candidates will be shortlisted based on merit and project requirements. Shortlisted candidates will be informed via email about interview details. Online Interviews will be held within a few days of close of applications. The selected candidate will be informed by email and will be required to join immediately.

Dr. Atanu rajak
(Principal Investigator)

Dr. Archak Purkayastha
(Joint Investigator)