



Indian Institute of Science Education and Research (IISER) Bhopal

Junior Research Fellow/Research Associate-I at IISER Bhopal

Applications are invited from Indian nationals for a post of “Junior Research Fellow” and/or Research Associate-I” in the I-HUB Quantum Technology Foundation sponsored project “Development of nitrogen-vacancy based quantum register”.

Project description:

The project involves development of tools and techniques that exploits atom-like defects in diamond as quantum sensors to achieve very high sensitivities and micron scale resolution.

Duration:

6 months

Last date for applications:

24th October 2024, but the call will remain open until suitable candidates are found.

Essential Qualifications:

Candidates having experience with 2D Materials, Optics, Photonics, Nanofabrication, Quantum Information, Scanning Probe Microscopy, Magneto-optical Characterization Techniques, Cryogenics, FPGA and Arduino, Lock-in Techniques, Python Programming, Electron Spin Resonance and Atomic Magnetometry will be preferred.

Research Associate-I: PhD in Experimental Quantum Physics with good academic record.

Junior Research Fellow: M. Sc. in Physics, M.Tech/B.Tech in ECE/EE/CS/Physics or related disciplines with good academic record (first class/division or minimum CPI of 7.0/10.0). Candidate must have qualified a National Eligibility Test (UGC, CSIR, LS, GATE, etc.) with a valid rank/score at the time of applying for this post.

Salary:

Junior Research Fellow: Rs. 37,000 p.m. + HRA (16%).

Research Associate-I: Rs. 58,000 p.m. + HRA (16%).

How to Apply:

Applications containing cover letter, a detailed CV, name and address of 2 referees as well as a brief writeup on any research work experience should be sent by email ONLY to phani@iiserb.ac.in on or before 24th October, 2024. Shortlisted candidates will be called for an online interview. For more details and context, please visit the webpage <http://home.iiserb.ac.in/~phani/> of Dr. Phani Kumar.