

## Advertisement for JRF in a DST sponsored project

Applications are invited for the post of Project Fellow/ JRF in the DST sponsored project titled “**Fabrication and Implementation of spin qubit based quantum gates for quantum information processing in solid state systems**”, at the Quantum Condensed Matter Lab, Department of Physical Sciences, IISER Kolkata. This project will involve experimental work at low temperatures with lasers, associated optical equipment/devices, sample preparation using Pulsed Laser Deposition, Raman, Polarisation Optics, SEM, XRD, AFM, etc.

**Position:** JRF

**Fellowship:** Rs. 31,000/- + HRA. HRA will be provided in the case of non-availability of hostel facility on campus.

Please see <http://www.serb.gov.in/pdfs/Results/OM-Research%20Fellowship-JRF-SRF-RA.pdf> for details.

**Duration:** 1 year, to be renewed strictly based on performance.

**Eligibility:** (i) At least 65% in MSc in Physics, with CSIR NET JRF or equivalent qualification, and/or a valid GATE score.

(ii) Candidates with experience in working in low temperature physics and lasers and optics (polarisation optics) would be preferred.

(iii) It is desirable that the candidates have experience in microwave electronics.

(iv) Do submit supporting publications or papers in ArXiv as supporting documents for experience.

Interested candidates should send an e-mail to **Prof. Chiranjib Mitra** ([chiranjib@iiserkol.ac.in](mailto:chiranjib@iiserkol.ac.in)). Applications should include an updated CV and a statement of purpose of not more than 400 words explaining the candidate's scientific interest in joining the Quantum Condensed Matter lab.

Shortlisted candidates will have to appear for an online interview at IISER Kolkata, and will need to provide 2 recommendation letters from teachers or mentors familiar with her/his academic achievements and experience.

**The last date for receiving applications is 10<sup>th</sup> August 2022.**