

Institute of Physics, Bhubaneswar

APPLICATIONS INVITED FOR TWO POSITIONS

Applications are invited for two positions as *Project Assistant/JRF* to work in a DST funded project in the QuEST program at the Institute of Physics, Bhubaneswar, 751005, India.

Desirable Qualification: The applicant must have First Class M.Sc in Physics/Mathematics from a recognized University. The candidates who have qualified CSIR/UGC NET/GATE/JEST will be preferred. It is desirable that the candidate has experience in some of the following areas: Quantum Mechanics, Quantum Information theory, relativistic systems/quantum field theory, etc.

Duration : Initial appointment of the candidate will be for one year, extendable by another year subject to the performance and the extension of the project. The project position is co-terminus with the above project. This appointment would **not** lead to a PhD degree.

Fellowship : As per IOP and DST guidelines.

Project Description : The main focus of this project will be to study different quantum information processing protocols, developing new techniques and understanding the role of genuine Quantum features. Main topics of interest are of nonlocality, coherence, cryptography, error corrections, and entanglement in relativistic systems/quantum field theory.

Starting date : 1st of August could be a tentative starting date. Due to pandemic, exact date is negotiable.

Applications with complete bio-data (with details of qualification i.e. examination passed, year, division, percentage of marks from 10th Board onwards, and copies of mark sheets/testimonials/certificates) along with MSc certificate should be sent by email to agrawal@iopb.res.in. Along with biodata, an applicant should also send a “note on experience”, where he/she can provide information about any desirable/preferable experience for this project.

Last Date of receipt of complete application: **16th July, 2021.**

Shortlisted candidates will be intimated by email and may be asked for presentation-interview by skype/google-meet. If you are short-listed/selected, you would be informed before August 1.

Accommodation inside the campus is subjective to the availability. HRA would be given at applicable rate for the candidates staying outside the campus.