



CENTRAL UNIVERSITY OF RAJASTHAN – 305817, RAJASTHAN, INDIA
DEPARTMENT OF PHYSICS, SCHOOL OF PHYSICAL SCIENCES

ADV. NO: CURAJ/PHY/KS/SERB/0001

Dated: 01/03/2024

Applications are invited from interested and motivated candidates for the following assignment in a purely time bound research project undertaken in the Department of Physics of the Central University of Rajasthan.

1	Name of the Temporary Post	Junior Research Fellow – 01
2	Name of the Sponsoring Agency	Science and Engineering Research Board (SERB), Department of Science and Technology (DST), Government of India
3	Title of the Research Project	Emergent Collective Phenomena in Quantum Many-Body Physics
4	Tenure of the Assignment	01 Year (extendable for another one year based on performance)
5	Job Description	To carry out theoretical investigations of ultracold atomic and many-body systems. This project will require the development of computational tools.
6	Consolidated Monthly Compensation / Fellowship	31000/- + HRA (as per DST rules)
7	Essential Qualifications and Experiences	Candidate needs to have a master's degree in Physics with a minimum 60% marks along with good academic grades throughout, and strong commitment and motivation to pursue research in the subject area. The candidate must have an excellent aptitude for performing analytical calculations and numerical programming.
8	Desirable Qualifications/ Experiences	Candidates must have a valid NET-JRF/GATE/JEST/NET. Candidates with specialization in Condensed Matter Physics, Quantum Physics, and Ultracold Quantum Gases. Experience with programming languages is highly desirable.
9	Accommodation	Accommodation in the university hostel may be provided subject to availability.

For technical information on the project, the candidate may contact the Principal Investigator (PI) of the project **Dr. Kuldeep Suthar** (kuldeep.suthar@curaj.ac.in), Department of Physics, Central University of Rajasthan.

Eligible and interested candidates must

(i) Send their complete bio-data and copies of the certificates/documents as a single pdf file via email to the PI of the project on or before **24th March 2024**. The subject of the email should be “Application for a JRF position under the SERB project”.

(ii) Attend the **interview via OFFLINE/ONLINE mode on 02nd April 2024 at 11:00 AM** in the Department of Physics, Central University of Rajasthan. No TA/DA will be paid to attend the interview.

Dr. Kuldeep Suthar (PI)

Copy to:

- 1) HoD Physics for publication on departmental notice boards and circulate among the research scholars
- 2) Web administrator to upload on the university website
- 3) Project Cell