

Job Title: DST-SERB funded JRF

Reports to: Dr. Pramoda Kumar

Location: Ashoka University

Experience (in years): NA

Nature of work: Full Time

About Ashoka University:

10 years ago, we embarked on a journey to establish a world-class, multi-disciplinary, liberal arts and sciences university in India. Built on the finest global best practices of institution and university governance, Ashoka has truly transformed Indian higher education in India with its unique pedagogy, governance and best practices.

Ashoka is today India's #1 liberal arts and sciences university that is home to the most diverse student body, a hub for impactful research and a magnet for best-in-class faculty and staff.

Ashoka has been ranked in the top five among private Universities in India by QS Asia and has also secured top rank among all Indian Universities in the 'International Faculty' indicator. The University was earlier awarded Diamond rating by QS I.GAUGE as a recognition of its continuous focus on academic rigour, inter-disciplinary pedagogy, world-class faculty, academic research, innovative modules of engagement with the community and teaching methods.

For further information, visit www.ashoka.edu.in.

We aim to co-create a nurturing space for our students, faculty, staff, donors and community positively through universal values:

- **Be Mission-Driven**
- **Think Strategically**
- **Act Authentically**
- **Take Accountability**
- **Build Collaboration**
- **Deliver Excellence**

Applications are invited from eligible candidates for a JRF position in a DST-SERB funded project titled "***Experimental Investigation of Electric Field Induced Effects in Twist-Bend Nematic Liquid Crystals***". The position is purely temporary in nature and ends with the project. The Initial appointment will be for a year, and could be extended up to two more years, subject to the progress in the project work and mutual consent. Monthly fellowship will be Rs. 37000/- plus 8% HRA.

About Department/Centre:

The department of physics started in 2017 and has been growing in size and scope to encompass a number of contemporary research areas. Our key focus research areas currently are Condensed Matter Physics (Soft and Hard), Biophysics, Astrophysics, Cosmology and Quantum Field theory. Please refer to the faculty profile pages for more information on the research interests of our faculty members.

Role and Responsibilities:

The selected candidate is expected to work closely with the PI (Dr. Pramoda Kumar, <https://www.ashoka.edu.in/profile/pramoda-kumar/>) for successful completion of the proposed work. The duty involves designing and running experiments, data collection, analysis, literature survey and writing research articles as part of the research project. The candidate is eligible for leave and medical benefits are as per the DST-SERB guidelines.

Education Qualification:

Candidates must have a master degree (M.Sc/M.Tech) in Physics. Preference will be given to those who have (a) qualified in CSIR-UGC NET/GATE/JEST or any other relevant national level examinations and (b) prior experience of working in condensed matter physics research labs.

Competencies & Skill Sets

- Expected to demonstrate an excellent understanding of basic physics with particular emphasis on condensed matter physics.
- Should have a minimum training (at least MSc level) in physics laboratory work.
- Expected to have a fair knowledge of (or should be ready to learn quickly) computer programming, instrument interfacing (automation) and data analysis.

Last Date for Application: August 31, 2024

Application Submission Process

Interested applicants should send their CV along with degree certificates and marks cards, research experience certificate (if any), contact details of at least three referees (email and contact number) and a cover letter to connect.hr@ashoka.edu.in and copy to pramoda.kumar@ashoka.edu.in with the subject line – <JRF – Department of Physics - Applicant Name>. **Only shortlisted candidates will be requested to appear for the interview.** To know more the physics department, one may refer to the following links.
<https://www.ashoka.edu.in/department/department-of-physics/>

Ashoka is an equal opportunities employer. Remuneration will be competitive with Indian non-profit pay scales and will depend upon the candidate's experience levels and the overall organization's salary structure.