

No.: Advt/ IITT/CSRC/2023-24/25

Date: 20-02-2024

Applications are invited from the eligible Indian national for JRF positions in a time bound ISRO RESPOND project under the supervision of Dr. Arijit Sharma, Department of Physics undertaken by IIT Tirupati.

Position	Junior Research Fellow (JRF)
No. of position	01
Essential Qualification	<ul style="list-style-type: none"> <li>B.S.-M.S. 5-year Integrated in Physics/ M.Sc. in Physics and/or Applied Physics/ or B.S./B.Tech./B.E. in Physics/Engineering Physics/Radio Physics or M.Tech./M.S. (by research)/M.E. in Electronics/Radio Physics/Laser Technology with minimum of 60% marks/equivalent CGPA.</li> <li>Must have a valid GATE/CSIR-UGC NET including LS and/or JEST score</li> </ul>
Project File No.	PHY2324004ISROARIJ
Project Title	Development of precision laser spectroscopy system for testing and characterization of MEMS based vapour cells for quantum technology applications in computing, communication, sensing and metrology
Sponsoring Agency	Indian Space Research Organisation (ISRO)
Monthly Salary	INR 37000/- + HRA as applicable
Tenure of Assignment	1 year, extendable up to one more year of project subject to performance.
Desired Experience	<p>Good knowledge of more than one of the following topics at the M.Sc. Physics level</p> <ul style="list-style-type: none"> <li>- Atomic and Quantum Physics</li> <li>- Electronics</li> <li>- Optics</li> <li>- Electromagnetic Theory</li> <li>- Atomic and laser spectroscopy</li> <li>- Hands on experimental exposure to M.Sc. level experiments</li> </ul>
Nature of Work	<ul style="list-style-type: none"> <li>- Research and development</li> <li>- Design and development of laser spectroscopy set-up</li> <li>- Data recording and documentation of the research work</li> <li>- Critical analysis of the experimental results</li> <li>- Assist in any other associated experiment</li> <li>- Offline on campus physical presence is needed</li> <li>- Remote work not possible</li> </ul>
Age Limit	Age limit- Not more than 28 years as of 29-02-2024 (May be relaxed for exceptional candidates)
Application Deadline	<del>29-02-2024</del> extended up to 08-03-2024 till 05.00 PM

Eligible candidates may send a detailed curriculum vitae (maximum 2 pages) and a SOP (Statement of Purpose) specifying qualifications and experience along with self-attested copies of all marksheets and certificates starting from class 10/secondary level till the last academic program as a single pdf file, on or before the deadline to [csrc\\_recruitment@iittp.ac.in](mailto:csrc_recruitment@iittp.ac.in). and [arijit@iittp.ac.in](mailto:arijit@iittp.ac.in) (Dr. Arijit Sharma, Principal Investigator). Importantly, mention your contact detail (email as well as cell number) in CV.

The shortlisted candidates will be informed via E-mail only. The selection will be based on the qualification, experience, and interview performance. The interview will be conducted offline at IIT Tirupati campus. No TA/DA shall be paid to shortlisted candidates for appearing in the interview process. Selected candidate will have to join duty within 7 working days of receiving the confirmation letter from the CSRC recruitment office. IIT Tirupati reserves the right to reject any or all the applications without assigning any reason thereof.

**Dean-CSRC**