



अनुसंधान और विकास अनुभाग
भारतीय प्रौद्योगिकी संस्थान इंदौर
खंडवा रोड, सिमरोल, इंदौर - 453552, भारत
Research & Development Section
Indian Institute of Technology Indore
Khandwa Road, Simrol, Indore 453552, India

Advertisement for Recruitment of JRF

Date: 24/06/2026	
Applications are invited from interested and motivated candidates for the post of 01 JRF in a research project as per the following details.	
Position	Joint Research Fellow (JRF)
Funding Agency Name	ISRO (under the AO of using Venus Archival Data for Venus Orbiter Mission)
Number of Vacancies	01
Project Title	Deciphering the role of Solar Energetic Particles on Venusian Ionosphere using AI-aided Numerical simulations.
Department	Astronomy, Astrophysics and Space Engineering, DAASE
Duration of the Appointment	01 year initially (can be extended to 3 years)
Job Description	The JRF is expected to develop physics-based and AI/ML-aided models to understand the interaction of solar wind on Venusian Ionosphere. In particular, the JRF is expected to quantify the impact of solar energetic particles energized in the inner heliosphere on Venusian Ionosphere and compare with archival data. This study should pave the way to provide constraints on planned payloads on-board India's Venus Orbiter Mission.
Essential Qualification	a) M.Sc. in Physics, Astronomy / B.S.-M.S. (5-year Integrated) in Physics / or Applied Physics, Astronomy, Space Science OR b) M.Tech./M.S. (by research)/M.E. in Engineering Physics/Space Science and Engineering c) Minimum 60% marks or equivalent CGPA d) Must have either of the below: i) a valid GATE/CSIR-UGC NET (including LS) ii) JEST score, iii) Any national level examinations conducted by Central government departments and their agencies and institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc.,.
Desirable Qualification	a) Extensive Coding experience in C, C++ and Python and AI/ML tools b) Prior experience in simulations of astrophysical and/or space plasma. c) Experience of Analysing open source space based datasets.
Age Limit	28
Fellowship Details	INR 37000 + HRA (as per norms)
Last Date of Applications	August 01, 2026
Project PI	Dr. Bhargav Vaidya (E-mail - bvaidya@iiti.ac.in)

How to Apply:

Interested candidates are requested to submit the following documents:

- a) A detailed CV
- b) All relevant Essential Qualification Degree Certificates, Marks Sheets, GATE/JEST/National Level Exam qualifying certificates, Date of Birth Proof Certificate

All documents should be in a **single PDF file**

Applicant Details along with the above mentioned documents have to be submitted using the form :<https://forms.gle/r6xEpLXrsS9uhd3h6>

The selected candidate will be encouraged to register for the PhD program at IIT Indore as per the institute norms. If selected for the PhD program, a fellowship will be extended for PhD duration as per institute norms

Shortlisted candidates will be called for an online interview.