

Advertisement for Research Personnel under ANRF sponsored project in the Department of Physics, Visva-Bharati

(Junior Research Fellow / Project Associate-I)

Applications are invited from interested, enthusiastic and highly motivated candidates for engagement as **Research Personnel (Junior Research Fellow / Project Associate-I)** in an ANRF funded research project entitled

Galaxy evolution in the Cosmic Web: Investigating the impact of large-scale structures on star formation and AGN activity with SDSS and JWST

The project aims to address fundamental questions in galaxy evolution by combining observations from the **Sloan Digital Sky Survey (SDSS)** and the **James Webb Space Telescope (JWST)** with state of the art cosmological hydrodynamical simulations. The selected candidate will receive training in modern astronomical data analysis, scientific programming, machine learning, and computational astrophysics while contributing to internationally competitive research.

Position: Research Personnel (JRF / Project Associate-I)

Number of Position: One (01)

Project Duration: Four years (continued annually based on satisfactory performance)

Job Description

The selected candidate will work on the analysis of large astronomical datasets (SDSS and JWST), cosmological hydrodynamical simulations (EAGLE and IllustrisTNG), and the development of computational and machine-learning tools to investigate galaxy evolution, star formation, and AGN activity in the Cosmic Web.

Essential Qualification

- M.Sc. in Physics with at least 55% marks (or equivalent CGPA).

Desirable Qualification

Candidates having one or more of the following will be preferred:

- Good programming skills in Python, C or C++.
- Interest and prior experience in astronomy, astrophysics, data analysis, scientific computing, and machine learning.

Fellowship

The fellowship and designation will be as per prevailing ANRF norms.

- **Candidates with NET/GATE qualification:** Project Associate-I / JRF equivalent — Rs. 37,000/- per month + admissible HRA.

- **Candidates without NET/GATE qualification:** Project Associate-I — Rs. 30,000/- per month + admissible HRA.

Outstanding candidates who satisfy the eligibility criteria are strongly encouraged to apply.

Age Limit

As per Government of India / ANRF rules.

Application Procedure

Interested candidates should email a **single PDF** containing

- Detailed Curriculum Vitae with passport-size photograph,
- Self-attested copies of certificates and mark sheets (Class X onwards),
- Proof of date of birth,
- NET/GATE certificate (if applicable),
- Experience certificates (if any).

Applications should be emailed to the Principal Investigator Dr. Biswajit Pandey, Department of Physics, Visva-Bharati. The email id for sending the application is

biswap@visva-bharati.ac.in

Last Date for Application

Within **two weeks** from the date of publication of this advertisement.

Only shortlisted candidates will be contacted for interview. The University reserves the right not to fill the position if suitable candidates are not found. The appointment will be governed by the prevailing ANRF and University rules.

Biswajit Pandey

Dr. Biswajit Pandey
Principal Investigator
ANRF-ARG Project
ANRF/ARG/2025/000535/PS

13/07/24
प्रोफेसर एवं विभागाध्यक्ष / Professor & Head
भौतिक विज्ञान विभाग / Department of Physics
विश्वभारती / Visva-Bharati

Dr. 13/07/24

अध्यक्ष / Principal
शिक्षा-भवन / SIKSHA-BHAVANA
(विज्ञान संस्थान) / (Institute of Science)
विश्वभारती, शान्तिनिकेतन
Visva-Bharati, Santiniketan