Ahmedabad University

JOB DESCRIPTION

Joining date: May 15, 2025 or the closest date to the same.

Salary: 30,000/- per month.

Duration: 2 year 3 months (subject to performance and review)

Position Title: Project Associate	**Designation:** ---
Reporting to: Professor Samyaday Choudhury	**School:** School of Arts and Sciences

About the University/School/Centre: Ahmedabad University is a private, non-profit research university that offers students a liberal education focused on interdisciplinary learning and research thinking.

Role Summary: The Astronomy & Astrophysics group at Ahmedabad University is accepting applications for the position of a Project Associate to work on a project titled "Probing stellar populations in the Magellanic Bridge– using the UVIT/AstroSat and multi-wavelength data". The Magellanic Bridge is a vital signature of ongoing tidal interactions between the Large and Small Magellanic Clouds, the Milky Way's closest pair of satellite galaxies. The Project Associate would work towards studying star clusters, metallicity distribution and star formation history of the Magellanic Bridge. The Project Associate will work with Professor Samyaday Choudhury under Ahmedabad University's start-up research grant (Ref no. URBSASI24A4), and his collaborators. Strongly motivated candidates from all genders and diverse backgrounds are encouraged to apply for this position.

Responsibilities:

- Analysis of multi-wavelength data from surveys using stellar evolutionary models and statistical methods.
- Present results in conferences and meetings.
- Assist in drafting journal articles.
- Services related to the Astronomy & Astrophysics group.

Key Skills:

- Strong coding skills in Python/C/C++ and/or other languages.
- Proficiency in statistical techniques (e.g. Bayesian - MCMC), computation, and numerical methods.
- Familiarity with Linux OS.
- Good communication skills in English.

Qualification:

- MSc/MS/ME/Mtech/BS-MS from a recognized University or Institute.

OR

- BE/Btech from a recognized University or Institute.

Candidates with the following Experience may be given preference: Demonstrated an inclination towards Observational Astronomy & Astrophysics in the past, which could include (but are not limited to) crediting courses, attending summer schools and carrying out projects in Astronomy & Astrophysics; Demonstrated ability to handle big-data in Astronomy; Proficiency in machine learning techniques.

How to Apply:

1. **Deadline: April 30th 2025**
2. The candidates must express their interest by writing a "Cover Letter", which **must not exceed Two pages.** The letter must mention why the candidate is interested in this position and the relevant skills and experiences from past projects/courses **[NOTE: AI-generated applications shall be rejected].**
3. CV – must also include **two Referees**' names, phone numbers, email addresses and designation.
4. Marksheet of Undergraduate and Postgraduate degrees (as applicable).
5. All the above documents must be **combined as a single PDF (10 MB max)** and mailed to samyaday.choudhury@ahduni.edu.in, with the email subject as: **"Appl. PA Bridge – Candidate's Name - 2025-26".**
6. Shortlisted candidates will be contacted, and further information will be provided.
7. Any questions regarding the project should be directed to samyaday.choudhury@ahduni.edu.in