

# Project Associate for A&A Group

Duration: 3 years

Reporting to: Professor **Samyaday Choudhury**, Assistant Professor, **School of Arts and Sciences**

About us: **Ahmedabad University** is a private, non-profit University that offers students a liberal education with a focus on research-driven and project-based learning.

**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 deciphering the origin, structure, 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

- Analyse multi-wavelength (UV-optical-IR) data (photometric, spectroscopic).
- Present results in conferences and meetings.
- Writing paper for peer reviewed journals.
- Work on observation proposals.
- Services related to the Astronomy & Astrophysics group.

## Key Skills

- Coding skills in Python
- Statistical techniques and numerical methods
- Familiarity with Linux OS
- Good communication skills in English

## Qualification

- Master's degree (MSc) OR Integrated BS-MS degree in Physics/ Applied Physics/Applied Mathematics/Statistics from a recognized University or Institute. OR
- Bachelor's in Engineering/Bachelor's in Technology from a recognised 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 (not limited to) crediting courses, attending summer schools and carrying out projects in Astronomy & Astrophysics; Demonstrated ability to handle big-data; Proficiency in machine learning techniques.

## How to Apply

- Deadline: June 9, 2024
- 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]
- CV – must also include two Referees' names, phone numbers, email addresses and designation.
- Marksheet of Undergraduate and Postgraduate degrees (as applicable).
- All the above documents must be combined as a single PDF (10 MB max) and mailed to [samyaday.choudhury@ahduni.edu.in](mailto:samyaday.choudhury@ahduni.edu.in), with the email subject as: “Application for PA - Bridge – CANDIDATE’s NAME”.
- Shortlisted candidates will be contacted, and further information will be provided.
- Any questions regarding the project should be directed to [samyaday.choudhury@ahduni.edu.in](mailto:samyaday.choudhury@ahduni.edu.in)