A.S. Kuppa Raju & Bros. Charitable Foundation Trust
Atria University

ASKB Campus, 1st Main Rd, AGS Colony
Anandnagar, Hebbal
Bengaluru- 560024

Applications are invited from students with an MSc degree in Physics/Atmospheric Science/Oceanography/Meteorology to apply for **Junior Research Fellow (JRF)** post for the project titled ***"Rapid intensification of Tropical Cyclones over the North Indian Ocean: A study with ISRO satellite data"*** funded by National Remote Sensing Centre (NRSC), ISRO under the National Information System for Climate and Environment Studies (NICES) call. This position is purely contractual (temporary), initially for one year, with the possibility of extension up to three years based on satisfactory progress and performance.

Brief description of the project: The study aims to investigate and characterize the mechanisms driving the rapid intensification of tropical cyclones (TCs) over the North Indian Ocean using ISRO satellite data and to develop a prediction tool for forecasting TC intensity using Machine Learning techniques.

About Atria University: Atria University is India's first liberal STEM university offering innovative, project-based, and research-focused interdisciplinary degree programs in science, technology, business and design. Atria University stands out for its strong emphasis on cutting-edge research and its vibrant Centers of Excellence, which serve as high-performance hubs fostering innovation in various fields, including AI, Life Sciences, Climate Science, Energy Sciences, and Battery Engineering.

Requirements and specifications are mentioned below:

Name of the post	JRF/Project Assistant (1 post)
Number of posts	01
Name of the project	Rapid intensification of Tropical Cyclones over the North Indian Ocean: A study with ISRO satellite data
Funding agency	National Remote Sensing Centre, ISRO
Principal Investigator	Dr. Stella Jes Varghese, Assistant Professor
Department	Centre for Climate Change (C3)
Essential qualification	Post graduate degree from a recognized University in Physical Sciences (includes Physics/Atmospheric Sciences/Meteorology/Oceanography) with a minimum of 60% marks (or equivalent grade). Additional qualifications for JRF are: Valid NET or GATE qualification. In case a suitable candidate with the above qualification is not found, candidate with a

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	post-graduate degree in the above discipline may be appointed as Project Assistant if selected. Emoluments will be as per funding agency guidelines.
Desirable qualification	Experience in handling satellite-based atmospheric and oceanographic data Demonstrated skills in Python programming Experience or strong interest in applying Machine Learning techniques to atmospheric and oceanographic data
Fellowship emoluments	Rs. 37,000/- p.m plus admissible HRA After completion of two years, an assessment by the university will be carried out for upgradation from JRF to SRF.
Age Limit	35 years
Tenure	Initial appointment for 1 year, extendable to 3 years based on performance. The position is purely temporary and co-terminus with the project.
Last date	15 October 2025, 5PM IST

How to apply: The application should include (i) a detailed CV with complete contact details (phone number, email, and postal address), the names and contact details of two referees, (ii) expression of interest (briefly outlining your motivation and suitability for the project) and (iii) scanned copies of educational and professional qualifications.

Completed applications should be sent by email to stella.varghese@atriauniversity.edu.in with a subject line saying NRSC-NICES-JRF position before 15 October 2025, 5 PM IST.

Selection process: All applications will be screened based on qualifications, prior experience, and suitability for the project. Shortlisted candidates will be interviewed by a selection committee.

Interview shall be conducted online.