

RAMAN RESEARCH INSTITUTE
BANGALORE 560080
Advt. No. 09/2026 / Dated - 23 March 2026

The Raman Research Institute, funded by the Government of India, is a premier institute engaged in research in basic sciences. More information about the Institute, the fields of research, and other details can be viewed at its website www.rii.res.in

Applications are invited for ONE POST of RESEARCH ASSISTANT on a temporary basis for the SARAS experiment in RADIO ASTRONOMY. SARAS carries out precision measurements of the radio sky spectrum. Its aim is to detect spectral distortions in the cosmic radio background arising from the formation and evolution of the very first stars and galaxies in the Universe.

The appointee would work on the design and development aspects of the projects, focusing on the digital subsystem and the development of state-of-the-art digital platforms. The appointment would be for a period of one year, extendable to a second year, subject to satisfactory performance and project status. We seek motivated individuals with a strong academic background, proficiency, and aptitude for experimental research, for 1- to 2-year internships with a research team engaged in cutting-edge work on an open problem in modern astrophysics. We prefer candidates seeking experience in experimental activity in astronomy and astrophysics, with the intent to pursue a research career in these fields. The ability to work with a team is essential. The required qualifications and experience are outlined below.

Job Description:

The successful candidate would work on the SARAS experiment, working in the domain of digital electronics. The work would involve participating in the design, development, characterization, and testing of digital electronics and digital signal processing.

Remuneration: A consolidated remuneration of Rs. 31,000/- + admissible HRA per month.

Maximum duration: 1 year, extendable to 2 years.

Essential Qualification:

B.E./B.Tech. degree in Electrical, Electronics, Electronics & Communication Engineering, Instrumentation with at least 70% marks or 7.0 CGPA in the qualifying examination, or an M.Sc. degree with Electronics specialization with at least 70% marks or 7.0 CGPA in the qualifying examination.

The applicant is expected to provide documentary evidence of prior interest in astronomy/astrophysics. Ability to work in teams and field stations is essential. Although the position and work will be based at the Raman Research Institute campus in Bangalore, field

trips with team members may be required for testing, validation, and deployment of radio astronomy receivers and/or for system tests and measurements.

Desirable: (these are expected additional qualifications and skill sets)

A valid JEST, CSIR-UGC NET, or GATE score in the respective specialization is desirable. Domain knowledge and experience in practical night sky astronomy with telescopes, analog and digital electronics, and FPGA-based systems, programming in C, Python, and VHDL. The application may document examples of project work or experience in these domain areas.

Last date for receipt of applications: 20 April 2026. All applications received till the due date will be given due consideration. If no suitable candidate is selected by the screening and interview process, the position will remain open on the Institute website until filled.

Upper Age Limit: The upper age limit is 30 years as on the last date of application. Applicants aged 30 or above may be considered if accompanied by commensurate experience and competency.

General Information:

1. Age relaxation will be applicable as per Govt of India rules for the candidates belonging to SC/ST/OBC/PWD categories.
2. The Institute reserves the right to restrict the number of candidates for test/interview to a reasonable limit, on the basis of relevant qualifications and experience higher than the minimum prescribed in the advertisement.
3. Mere fulfillment of the essential and desired qualifications will not entitle an applicant to be called for an interview.
4. The Institute reserves the right to relax any of the above requirements in exceptional cases.
5. The Institute reserves the right not to fill the post herein advertised.
6. Canvassing in any form shall disqualify the candidate.

How to apply:

Interested candidates can apply by filling out an online form and uploading all the relevant documents/images, including:

1. Scanned colour copies of educational certificates and marksheets,
2. Curriculum Vitae (1-2 pages),
3. Statement of purpose (1-2 pages), as to what motivates the applicant to apply for the above post and why the applicant is the appropriate choice for the opening.
4. A recent passport-size photograph and signature,
5. Incomplete applications will not be considered.

Each applicant must provide references of two individuals whom the Institute could contact for referral letters. In case of any queries/help, please contact recruitment@rri.res.in

Link to the application:

https://careers.rri.res.in/rrijobs/job_listing.php

Incomplete applications, particularly those without a Statement of Purpose, will not be considered.

-----000-----