

RAMAN RESEARCH INSTITUTE
BANGALORE 560080
Advt. no. 4/2024

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.rri.res.in

Applications are invited for **TWO POSTS of RESEARCH ASSISTANT (RA) on a temporary basis for the PROJECT on Quantum Technology development using Ultra cold atoms and quantum gases** in the Light and Matter Physics (LAMP) Group of the Institute for a period of one year / extendable to second year depending upon the candidate's performance. The candidate will be associated with the **Quantum Mixture (QuMiX) Lab of the Institute**. We seek motivated individuals with good academic background with an aptitude to perform measurements and use of scientific equipment. The candidate will work with a vibrant team of professionals including faculty members, PhD and master's students and technocrats.

The details of the required qualifications and experience are given below:

Job Description:

Title: Research Assistant in Quantum Technology development using ultra-cold atoms

Role: To be a team member working with designing, assembling and calibration of components and devices needed for quantum technology development using cold atoms and laser light.

Nature of the work: The work involves usage of various types optical components, laser sources, power supplies, Radio Frequency and microwave-components, etc in the laboratory. The candidate is also expected to work with a team of scientists and PhD scholars and hence being able to be part of a team and contributing in the scientific and technical developments is one of the critical aspects of the job.

Desirable

The candidate should be motivated and should have a flair for experimental work. The candidate should have experience in one or more of the following –

- Lasers and control electronics
- Optics designing / alignments
- Electronics purchase, handling, soldering, assembling, designing and related experience
- Control of instruments using LabVIEW
- Radio-Frequency (RF) and Microwave signal processing

Preference will be given to the candidates who have previously worked with relevant research area and has hands on experience.

Remuneration:

A consolidated remuneration of **Rs. 31,000/- plus admissible HRA per month** will be paid to the selected candidates.

Essential Qualification:

M.Sc. (Physics / Engineering Physics/ Quantum Technology / Photonics/ Related fields) or B.E. / B.Tech (Engineering Physics / Electronics / Related fields) with a minimum of 60 % marks or equivalent.

M. Tech / M. Phil or equivalent degree with a thesis work will be given preference.

Upper Age Limit: The upper limit is **35 years** as on the last date for closing of applications. The last date for receipt of applications is **28 June 2024**. Applications received after the last date will not be considered.

General Information:

- (i) Age relaxation will be applicable as per Govt., of India rules for the candidates belonging to SC/ST/OBC/PWD categories.
- (ii) The institute reserves the right to restrict the number of candidates for test/ interview to a reasonable limit, on the basis of relevant qualification and experience higher than the minimum prescribed in the advertisement.
- (iii) Mere fulfilling the essential and desired qualifications will not entitle an applicant to be called for interview.
- (iv) The institute reserves the right to relax any of the above requirements in exceptional cases.
- (v) The Institute reserves the right, not to fill the post herein advertised.
- (vi) Canvassing in any form shall disqualify the candidate.

How to apply:

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

1. Scanned colour copies of educational certificates and mark-sheets,
2. Curriculum Vitae (1-2 page),
3. Statement of purpose (1-2 page), 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

Each applicant would need to mark the post(s) they are applying for and 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: http://rhino.rri.res.in/forms/advt_04_2024.php

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