

RAMAN RESEARCH INSTITUTE
BANGALORE 560080
Advt. no. 8/2022

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 participating in experiments towards secure quantum communications** 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 Information and Computing (QuIC) lab of the Institute**. We seek motivated individuals with good academic background with an aptitude to perform measurements and use of scientific equipment as well as strong foundations in quantum mechanics. The candidate will work with a vibrant team of professionals including faculty members, senior scientific staff, PhD and master's students and technocrats.

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

Job Description:

Title: To be a team member working with designing, simulating as well as implementing schemes for development of technology for secure quantum communications.

Nature of the work: The work involves usage of various types of optical instruments as well as development of protocols both theoretically as well as 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. Experience in one or more of the following areas is desirable:

- Optical alignment
- Control of instruments using LabVIEW
- Working knowledge of software like Matlab, C/C++ and/or Python
- Formal coursework in quantum information.

Remuneration: A consolidated remuneration of Rs.23,500/- per month at commencement + admissible HRA will be paid to the selected candidates. An increment of Rs.1000/- will be provided in the second year.

Essential Qualification:

M.Sc. (Physics / Engineering Physics/ Photonics) with a minimum CGPA of 7.0.

Upper Age Limit: The upper limit is **30** years as on the last date for closing of applications. The last date for receipt of applications is **13th August 2022**. 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 an 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:

Apply online at: http://rhino.rrri.res.in:9900/forms/ra_seqcomm.php
