

RAMAN RESEARCH INSTITUTE
BANGALORE 560080
Advt., No.1./2020

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 ONE POST of RESEARCH ASSISTANT on a temporary basis for **atomic molecular and optical physics instrumentation**, which involves **building up optical and electronic infrastructure for experiments under development. For this work experience in an atomic physics and optics based lab environment, familiarity with handling optical components and their alignment, hands on experience in electronic instruments designing and testing. Knowledge of some programming language, and preferably Labview and/or FPGA would be very advantageous. Exposure to the field of Atomic physics through past project work will be considered an advantage.** The candidate will be associated with the **Quantum Interactions** Group of the Institute for a period of one year/ extendable to second year (as the case may be). We seek motivated individuals with good academic background with an aptitude to explore and master the functioning and use of scientific equipment and eagerness to learn new techniques. In addition we expect the candidate to exhibit versatility, creativity and enthusiasm. The details of the required qualifications and experience are given below:

Job Description:

Bringing up the electronics infrastructure of the lab, building sophisticated devices for experiments such as ion trap power supplies, laser control systems, optical systems. Prior experience will be valued. The candidate would also have a keen interest in participating in atomic, molecular and optical physics experiments.

Remuneration: A consolidated remuneration of Rs. 23,500/- per month + HRA (24% of consolidated remuneration) will be paid to the selected candidates. An increment of Rs.1000/- will be provided in the second year subject to review of performance during the first year.

Essential Qualification: Bachelor in Engineering in a related area, such as Electronics, Instrumentation, Control systems, experience with electronic and rf circuits, design and fabrication of specialized instruments and devices to specs.

Desirable: Work experience in an optics and/or atomic physics based lab environment Familiarity with handling optical components and their alignment Hands on experience in electronic instruments designing and testing Knowledge of computer programming, interfacing, and preferably Labview and/or FPGA would be very advantageous. Exposure to the field of Atomic physics through past project work will be considered a significant advantage.

Upper Age Limit: The upper age limit is 40 years, as on the last date for closing of applications.

The last date for receipt of applications is 09/11/2020. 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) Candidate should be self-driven, motivated and have leadership skills to manage the personnel working with him.

(iv) Mere fulfilling the essential and desired qualifications will not entitle an applicant to be called for interview.

(v) The institute reserves the right to relax any of the above requirements in exceptional cases.

(vi) The Institute reserves the right, not to fill the post herein advertised.

(vii) Canvassing in any form shall disqualify the candidate.

How to apply:

Applications are to be sent in a sealed cover super-scribing the post on the envelope to the **Co-Ordinator, Light and Matter Physics Group, Raman Research Institute, C. V. Raman Avenue, Sadashivanagar, Bangalore 560080**

OR

by email to

savithamd@rri.res.in with subject line

Research Assistant for atomic molecular and optical physics instrumentation

Application format: (1) Name of the applicant; (2) Date of Birth; (3) Nationality; (4) Whether belonging to SC/ST/OBC; (5) Permanent Address; (6) Address for correspondence (please provide your mobile number and email-id; (7) Qualifications starting from SSC/X Std. upwards (please attach copies of certificates and marks cards); (8) Experience with details of organization, post held, duration of service, and emoluments drawn (attach certificates), (9) References of individuals who are familiar with you and your work, whom the Institute could contact for referral letters; and (10) Brief – not more than a page typed in double line spacing – as to what motivates you to apply for the above post.

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