RAMAN RESEARCH INSTITUTE
BANGALORE 560080
Advt., No.16/2024

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 up to **TWO** posts of RESEARCH ASSISTANT (RA) on a temporary basis for **Soft Condensed Matter Group** of the Institute. The position is for 1 year and may be extended up to a maximum of 2 years, with regular evaluation. The first 6 months of appointment will be under probation. We seek motivated individuals with good academic backgrounds interested in learning relevant theoretical techniques (both analytical and numerical) and simulations. The details of the required qualifications and experiences are given below:

Job Description: RAs are expected to contribute to the following ongoing projects: (i) develop particle based simulations and Linear Response Theory for driven soft amorphous matter, (ii) develop simulations and analytical formalisms to explore non-reciprocal systems and odd granular matter in the *Soft, Living & Intelligent Matter Group* (PI: Rituparno Mandal) at RRI.

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

Essential Qualification: M.Sc./M.Tech or B.E./B.Tech in any field with a moderate knowledge of statistical mechanics and some exposure to soft condensed matter.

Desirable: Expertise in coding (preferably in C/ FORTRAN/ Python), familiarity with particle based simulations, spin-model simulations, experience in analytical calculations (familiarity with Mathematica) and advanced data analysis. Additionally, knowledge of AI or Machine learning tools (e.g. unsupervised learning, deep neural network, graph neural network etc.) is desirable but not essential.

Upper Age Limit: The upper age limit is 35 years, as on the last date for closing of applications.

The last date for receipt of applications is 06 December 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)   Candidate should be self-driven, motivated and have leadership skills to manage the personnel working with him.

(iv)   Shortlisted candidates will be requested to appear for an online interview via Zoom or suitable other online platforms. No TA/DA will be paid for attending the interviews.

Merely fulfilling the essential and desired qualifications will not entitle an applicant to be called for an 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:

Interested candidates can apply by filling up an online form. In the online form applicant will be required to upload PDFs/Images of all the relevant documents, including:

1. Scanned colour copies of Educational Certificates and mark sheets.
2. Curriculum Vitae. Should include detailed a description of the research projects done.
3. Statement of purpose (1page max), which should include, (i) what motivates the applicant to apply for the above post (ii) why the applicant is the appropriate choice for the opening (iii) some proposed research ideas?
4. A recent passport size photograph and image of candidate's signature.
5. Each applicant would need to provide references of two individuals whom the Institute could contact for referral letters.

In case of any queries/help, please contact recruitment.scm@rrimail.rri.res.in

Link to the application: http://rhino.rri.res.in/forms/ra_scmg2024.php

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

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