



## INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH THIRUVANANTHAPURAM

Maruthamala PO, Vithura, Thiruvananthapuram 695551

### Recruitment for posts of Junior Research Fellow

Indian Institute of Science Education and Research Thiruvananthapuram is a premier autonomous Institution established by the Ministry of Human Resource Development, Government of India, for promotion of high-quality science education and research in the country.

The Institute invites applications for the following positions on contract basis:

Name of Post	<b>Junior Research Fellow</b>
Name of Project	Quantum point contact charge amplifiers embedded in a planar superconducting microwave resonator: Quantum-limited charge sensing and counting.
Funding agency	STARS-MHRD
Minimum Educational qualification (as prescribed by the funding agency)	Master's degree in Physics or related fields such as Engineering physics, Materials Science, Materials Engineering OR Graduate/Post Graduate Degree in Electrical engineering/Materials Science/Material Engineering/Applied Physics/Engineering Physics, <b>with a minimum of 60% marks</b> , selected through a process prescribed in any one of the following  (a) Scholars who are selected through National Eligibility Tests-UGC NET including lectureship and GATE.  <b>Or</b>  (b) The selection process through National level examinations conducted by MHRD and its Agencies and institutions such as UGC / IIT / IISc / IISERs / IIITs etc.
Preference	Preference will be given to candidates with knowledge and experience in (i) device processing, fabrication techniques such as lithography, metallization, etching (ii) processing van der Waals materials such as Graphene, MoS <sub>2</sub> (iii) experience in electrical characterization techniques
Number of posts	01
Fellowship amount	31000/- + HRA p/m
Tenure of the post	01-Year and extendable by one more Year subjective to the satisfactory performance of the candidate
Age	28 Years or below as on the closing date of application, A relaxation as per MHRD rules for candidates belonging to SC/ST/OBC and women candidates.
Last date	10 <sup>th</sup> June 2020
How to apply	Please send by <b>e-mail</b> with the subject line <b>STARS-JRF-&lt;your last name&gt;</b> to <a href="mailto:madhu@iisertvm.ac.in">madhu@iisertvm.ac.in</a> the following details as a single PDF file  (i) A complete CV containing contact details, all the academic details, and name and contact numbers of two referees.  (ii) copies of certificates and scorecards showing the eligibility

The shortlisted candidates will be informed by email on details of interview date, time and venue and it will also be put up on the website [www.iisertvm.ac.in](http://www.iisertvm.ac.in).

A printed copy of the application form sent by email signed and dated by the applicant along with recent passport size photograph and photocopies of relevant certificates and other testimonials in support of age, qualification, experience etc. will be collected at the time of interview.

Applicants must bring all certificates (original + one copy) at the time of interview for the purpose of verification.

### **General Information**

1. Appointment is purely temporary and will terminate automatically without any notice or compensation on termination of the research project.
2. The appointed person shall have no claim of appointment / absorption in Funding Agency or in IISER Thiruvananthapuram.
3. Appointment of the applicant will be governed by the terms and conditions of the funding agency particularly applicable to the said project
4. The qualification prescribed should have been obtained from recognized Universities / Institutions.
5. The prescribed educational qualifications are the bare minimum and mere possession of same does not entitle candidates to be called for interview. Where number of applications received in response to this advertisement is large, it will not be convenient or possible to interview all the candidates. Based on the recommendations of the Screening Committee, the Project Leader/ Principal Investigator may restrict the number of candidates to be called for the interview to a reasonable limit after taking into consideration qualifications and experience over and above the minimum prescribed in the advertisement. Therefore, it will be in the interest of the candidates, to mention all the qualifications and experience in the relevant field at the time of applying.
6. No TA/DA will be admissible for appearing for the interview.
7. Selected candidates will have to join duty immediately on receipt of the offer.