SRIC/06

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Electronics and Communications Engineering)

Dated: 02/07/2024

ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) under the Principal investigator (Name: **Prof. Anshul Jaiswal**), Department of **Electronics and Communications Engineering,** Indian Institute of Technology, Roorkee.

1. Title of project: **Modulation Signaling based Continuous Variable Quantum Key Distribution for Optical Wireless Communication Systems**
2. Sponsor of the project: **CRG, SERB, New Delhi.**
3. Project position(s) and number: **Junior Research Fellow (JRF): 01 (one position)**
4. Qualifications: **M.E/M Tech. in Electronics & Communication/Electrical Engineering or equivalent with CGPA above 7.0 (on 10.0 scale) or percentage greater than 70% aggregate irrespective of category. B.E./B.Tech. in Electronics & Communication/Electrical Engineering or equivalent with CGPA above 7.5 (on 10.0 scale) or percentage greater than 75% aggregate irrespective of category are also eligible.**

   The candidate must have qualified National Eligibility Tests- CSIR-UGC NET including lectureship (assistant Professorship) or GATE.

   The candidate must possess a solid understanding of the fundamentals of Digital Communication, Information Theory, Probability Theory, and Wireless Communication. These are the minimum qualifications required for application. Shortlisting will be based on the applicant's academic performance and relevant experience.
5. Emoluments: **37,000+ HRA (or as per SERB norms).**
6. Duration: **1 year and likely to be continued up to Project Duration (based on performance, the JRF may be considered for Ph.D. enrollment, subject to his eligibility as per the institute norms).**
7. Job description: **JRF will be involved in research and development activities related to optical wireless communication systems. JRF will be committed in building experimental set-ups of optical wireless communication systems that work on quantum key distribution protocol. Based on performance, the JRF may be considered for Ph.D. enrollment, subject to his/her eligibility as per the institute norms.**
8. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
9. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of Principal Investigator through email and produce at the time of Interview:
   - Application in a plain paper with detailed CV including chronological discipline of degree/certificates obtained.