

Research Innovation, Development & Entrepreneurship Society (RIDES)
Jaypee Institute of Information Technology, Noida

Applications are invited for the post of one Junior Research Fellow (JRF) and one Research Associate (RA) for a DRDO sponsored project

Project Title: Stability Analysis of Key Rates for COW QKD and DPS QKD

Post: 01- Junior Research Fellow (JRF) and 01- Research Associate (RA)

Duration: One year

Emoluments: JRF – 01 (@ Rs 37,000 pm + 27% HRA = Rs 46,990 pm)

RA – 01 (@ Rs 58,000 pm + 27 % HRA = Rs 73,660 pm)

Essential Qualifications:

JRF: Post Graduate Degree in Physics / Physical Sciences OR Graduate degree in professional courses with GATE qualified. Preference will be given to CSIR / UGC/ JRF/NET qualified candidates or any other equivalent National level exam conducted by Govt. agencies like MHRD, DST, CSIR, DAE, DRDO, IITs, IISc etc. However, Non-NET/non-GATE qualified candidates can also apply.

RA: Ph.D. (in a science or engineering subject) in the area of quantum information/quantum optics/quantum communication or ME/MTech with three years R&D experience as on the last date of application.

Job Description: The selected students are expected to work majorly in the area of experimental implementation of COW and DPS quantum key distribution (QKD) schemes. Further, the project also involves a theoretical component on security analysis of the secure key rates.

Applications comprising a cover letter, and detailed Curriculum Vitae (containing Research experience/publication, if any) must be sent by email to **Prof. Anirban Pathak**, Department of Physics and Materials Science and Engineering, Jaypee Institute of Information Technology Noida on or before **7th July 2024**. The short-listed candidates will be called for an interview.

Email: anirban.pathak@mail.jiit.ac.in