Birla Institute of Technology & Science, Pilani
Pilani Campus
Grants Consultancy and Industrial Research (GCIR)

CALL FOR RESEARCH STAFF (JRF)

Application Deadline: 29th September 2025   **Date: 16th September 2025**

About: Applications are invited from interested and motivated candidates for the post of Junior Research Fellow (JRF) in a time bound research project sponsored by the **ISRO** for a temporary period purely on contractual basis as per the following details:

Position:	JRF	Number of Vacancy:	01
Project Title:	Development of Simulation and System Engineering Toolkit for Quantum Key Distribution (QKD) Protocols for Fiber-Based Systems	Project Tenure:	02 Years (Extendible if converted to PhD based on performance)
Funding Agency:	**Space Applications Center-ISRO Ahmedabad under ISRO-RESPOND scheme**	Upper Age Limit	Preferably less than 35 years
Fellowship:	37000 P.M. for NET/GATE Qualified Candidates 31000 P.M. for Non-NET/Non-GATE Candidates		
Principal Investigator:	Prof. Syed Mohammad Zafaruddin, Dept. of EEE		
Project Overview/ Job Description	JRF will develop simulation models for Quantum Key Distribution (QKD) protocols in fiber-based systems, capturing realistic device parameters, channel impairments, and security considerations. The JRF will collaborate closely with ISRO scientists to ensure the research is practically relevant, application-driven, and aligned with mission-critical secure communication needs.		
Qualification:	B.E./B.Tech/M.E./M.Tech/MSc. in Physics / Electronics / Computer Science/ Communication Engineering / Electrical Engineering / Electronics Engineering / Electronics and Communication Engineering / Computer Science Engineering. Preference to GATE qualified candidates		
Registration for PhD.:	Selected candidates may be permitted to register for the PhD program of BITS Pilani subject to fulfilling the requirements of the PhD qualification process as per the institute norms.		

How to Apply:

Applications along with updated CV should be sent through mail to **syed.zafaruddin@pilani.bits-pilani.ac.in** with subject line as – '**Application for JRF- ISRO Project**
Shortlisted candidates will be informed of the interview which will be conducted through online mode. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merit and as per the requirements of the project.

Please note that only qualified and suitable candidates will be called for an interview.

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Contact Email: syed.zafaruddin@pilani.bits-pilani.ac.in

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