भारतीय सूचना प्रौद्योगिकी संस्थान, पुणे
Indian Institute of Information Technology, Pune
(An Institute of National Importance by an Act of Parliament)
Gat No - 5 & 6, Vill - Nanoli-Tarf Chakan, PO – Talegaon, Tah – Maval, Dist - Pune, Maharashtra – 410507

Adv. No.: IIITP/ECE/ 0002 Date: 06/11/2026

Advertisement for the Post of Junior Research Fellow (JRF) in ISRO Sponsored Project under RESPOND Programme

Applications are invited from eligible Indian nationals for the position of **Junior Research Fellow (JRF)** to work on a purely temporary research project sponsored by the **Indian Space Research Organisation (ISRO)**.

Particulars	**Details**
Title of the Project	High Data Rate Channel Codec Architecture for Free Space Classical RF and Optical Communication
Project Investigator (PI)	**Dr. Dheeraj Dubey**, Assistant Professor, Department of Electronics and Communication Engineering, IIIT Pune
Position	Junior Research Fellow (JRF)
No. of Positions	One (01)
Funding Agency	Indian Space Research Organisation (ISRO)
Area of Research	Classical RF Communication, Free Space Optical (FSO) Communication, Channel Coding, Error Control Coding, Wireless Communication, Optical Wireless Communication, Communication Systems
Fellowship	₹37,000/- per month + 30% HRA (as per ISRO norms)
Project Duration	Two (02) Years
Place of Work	Indian Institute of Information Technology Pune

Nature of Appointment	The Junior Research Fellow (JRF) will be appointed for an initial period of six months. Based on satisfactory performance, the appointment will be extended for the remaining duration of the project (up to two years), subject to the availability of project funds and institute/ISRO guidelines.

Essential Qualifications

Applicants should possess:

Postgraduate Degree in Basic Science OR Graduate/Postgraduate Degree in a Professional Course selected through a process described through any one of the following:

(a) Scholars who are selected through National Eligibility Tests such as **CSIR-UGC NET** (including Lectureship/Assistant Professorship), or **GATE**.

OR

(b) The selection process through **National Level Examinations** conducted by Central Government Departments and their Agencies/Institutions such as **DST, DBT, DAE, DOS, DRDO, MoE (formerly MHRD), ICAR, ICMR, IITs, IISc, IISER**, etc.

Desirable Qualifications

Preference will be given to candidates having one or more of the following:

- Strong background in Digital Communication, Wireless Communication, Information Theory, Channel Coding and Error Control Coding.
- Knowledge of Optical Communication and Free Space Optical (FSO) Communication.
- Experience with MATLAB, Python, or similar simulation/programming tools.
- Knowledge of communication system design and performance analysis.
- Good programming, analytical and technical writing skills.
- Research publications in relevant areas will be an added advantage.

Job Responsibilities

The selected candidate will be expected to:

- Conduct research related to high-speed channel coding for classical RF and Free Space Optical communication systems.

- Design, simulate and evaluate communication algorithms.
- Develop software models and validate system performance.
- Assist in preparation of project reports, technical documents and research publications.
- Participate in meetings and other project-related activities assigned by the PI.

How to Apply

Interested candidates should submit their application through email in **a single PDF file** containing the following documents:

1. Duly filled Application Form (At the end of advertisement).
2. Updated Curriculum Vitae (CV).
3. Self-attested copies of all educational certificates and mark sheets.
4. GATE/CSIR-UGC NET score card.
5. Experience certificates (if any).
6. List of publications along with copies of the first page of each publication (if any).
7. Any other supporting documents relevant to the project.
8. Undertaking (Annexure I)

Application Form Submission Link

Candidates are required to **fill and upload the duly completed Application Form along with all supporting documents through the Google Form provided for the application. Candidates may also send the completed application form and supporting documents to** dheeraj@iiitp.ac.in. The email should be sent with the subject: **"Application for JRF Position – ISRO RESPOND Project"**

Google Form Link: https://forms.gle/18NDdn1m6TyAcRUUA

For any queries regarding the position, candidates may contact:

Important Dates (Tentative)

Event	**Tentative Date**
Last Date for Submission of Application	**25-11-2026**
Intimation to Shortlisted Candidates	**28-10-2026**
Date of Interview	**07-12-2026**

Only shortlisted candidates will be informed through email regarding the interview schedule.

Selection Procedure

- Applications will be screened based on eligibility and suitability for the project.
- Only shortlisted candidates will be invited for the interview.
- The interview may be conducted in **offline mode at IIIT Pune** or through **online mode**, depending on administrative requirements.
- The final selection will be based on the candidate's academic credentials, research aptitude, technical competence and interview performance.

General Terms & Conditions

1. The position is purely temporary and co-terminus with the project.
2. Mere fulfillment of the minimum eligibility criteria does not guarantee shortlisting for the interview.
3. IIIT Pune reserves the right to restrict the number of candidates called for interview based on academic performance and relevant experience.
4. The Institute reserves the right not to fill the advertised position if suitable candidates are not found.

5. The selected candidate shall not claim any regular appointment in IIIT Pune by virtue of this fellowship.
6. No TA/DA will be paid for attending the interview.
7. Original documents shall have to be produced for verification at the time of interview/joining.
8. Incomplete applications or applications received after the due date will not be considered.
9. Canvassing in any form will lead to disqualification.
10. The decision of IIIT Pune regarding selection shall be final and binding.

Dr. Dheeraj Dubey
Project Investigator (PI), dheeraj@iiitp.ac.in , 8840677530
Department of Electronics and Communication Engineering
Indian Institute of Information Technology Pune