राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

(शिक्षा मंत्रालय, भारत सरकार के अधीन एक स्वायत्त संस्थान)

(An autonomous Institute under the aegis of the Ministry of Education (Shiksha Mantralaya), Govt. of India)
Plot No. FA7, Zone P1, GT Karnal Road, Delhi-110036, INDIA
दूरभाष/Tele: +9111-33861000, 1001, 1005 फैक्स/ Fax: +9111-27787503,
वेबसाइट/Website: www.nitdelhi.ac.in

Advertisement for Positions of Junior Research Fellow (JRF) and Project Associate – I in ANRF Sponsored Project under Prime Minister Early Career Research Grant (PM- ECRG)

Project Information

Project Title:	Resource Allocation, Tracking and Classification in FR3 band Integrated Sensing and Communications based in band Full Duplex enabled Giga MIMO Systems (RTC3)
Number of Available Positions:	01 for Junior Research Fellow (JRF)
	01 for Project Associate – I
Funding Agency:	Anusandhan National Research Foundation (ANRF) Prime Minister Early Career Research Grant (PM- ECRG) Scheme
Duration of the project:	3 Years
File Number:	ANRF/ECRG/2025/001559 Dated: 09-06-2026
Name of the Project Investigator (PI):	Dr. Navneet Garg, Assistant Professor
Email:	navneetgarg@nitdelhi.ac.in
Faculty Profile:	https://faculty.nitdelhi.ac.in/NavneetGarg/profile
Department/Institute:	Department of Electronics and Communication Engineering, National Institute of Technology (NIT) Delhi, Zone, P1, National Institute of Technology, Plot No. FA7, GT Karnal Rd, Garthi Khurad, Bakoli, Delhi, 110036, India.
Last date of receiving applications:	**July 31, 2026**

Minimum Eligibility Criterion for Junior Research Fellow:

Essential Qualification:

- M. Tech. or M.E. degree in Electronics and Communication Engineering with first division/class with specialization in signal processing and communication or in any such related area.
- B. Tech. or B.E. degree in Electronics and Communication Engineering with first division.
- Candidates should have a valid GATE score.

Desirable Experience:

Candidates having one or more of the following will be preferred:

- Strong background in Digital Communications, Signal Processing, Information Theory, Wireless Communications, or MIMO Systems.
- Experience with MATLAB, Python, Vivado.
- Knowledge of Machine Learning/Deep Learning for communication systems.
- Experience in one or more of the following: Massive MIMO, Integrated Sensing and Communications (ISAC), Beamforming, FPGA/SDR (USRP), Optimization techniques
- Good programming and technical writing skills.
- Publications in reputed conferences/journals are desirable.

Job Description:

The selected candidate will:

- Conduct research related to next-generation wireless communication systems (Beyond 5G/6G).
- Develop algorithms for MIMO, beamforming, channel estimation, resource allocation, and AI-enabled wireless communications.

- Perform MATLAB/Python simulations and analyze experimental data.
- Assist in prototype implementation using SDR/FPGA platforms (if required).
- Prepare technical reports, research papers, patents, and project documentation.
- Participate in project meetings, workshops, and collaborative research activities.

Minimum Eligibility Criterion for Project Associate – I

Essential Qualification:

- Four years B. Tech. Degree in Electronics and Communication Engineering/Computer Science Engineering with first division/class.
- Candidates who are selected via GATE or CSIR UGC NET: ₹ 37,000/- + HRA
- Candidates without GATE or CSIR UGC NET: ₹ 30,000/- + HRA

Desirable Qualification:

Preference will be given to candidates having experience in:

- Wireless Communications, Digital Signal Processing
- Python, MATLAB,
- Machine Learning and Deep Learning
- Embedded Systems/SDR/FPGA
- Scientific writing and documentation
- Publications or project experience in communication systems or AI.

Job Description:

The selected candidate will:

- Assist in algorithm development and simulation for wireless communication research.
- Implement software modules in MATLAB/Python.
- Support hardware experimentation using SDR/FPGA platforms.
- Maintain project records, technical documentation, and software repositories.
- Assist in organizing workshops, demonstrations, and dissemination activities.
- Contribute to preparation of research publications, patents, and progress reports.

Duration of Appointment:

- The appointment will initially be for a period of one year and may be extended annually, up to a maximum of three (3) years, subject to satisfactory performance and the requirements of the project.
- Both positions are purely temporary and are intended exclusively for the duration of the project. The appointments are co-terminus with the project, and no claim for regular or permanent employment at the Institute shall arise from these appointments.
- As per the terms and conditions governing the ANRF (PM-ECRG) project, accommodation will not be provided by NIT Delhi. Accordingly, House Rent Allowance (HRA) shall be admissible to the selected candidates as per ANRF guidelines.

Application Procedure

- Candidates possessing the required qualification and experience should apply online via the available Google Form. (Scan QR code or Click on the link: https://forms.gle/HVdbZ5DNmpVgFUae7)
- Candidates have to upload the applicable following photocopy documents as a single merged pdf file (self-attested in every page) at the end of the Google Form.

#	Documents (self-attested photocopy) to be Uploaded	Remarks
01	Class X passing Certificate as a birth proof.	In a single merged pdf file format where every page must be self-attested.
02	Adhar Card.	
03	Category certificate (if applicable)	
04	Class X mark sheet/ pass certificate indicating grades/ marks obtained in every course completed.	
05	Class XII mark sheet indicating grades/ marks obtained in every course completed.	
06	Class XII pass certificate.	
07	B. Tech/ B.E mark sheet/ Transcripts indicating name of the courses	

	completed, and grades/ marks obtained against every such course.	
08	B. Tech/ B.E degree/pass certificate.	
09	If applicable, M. Tech/ M.E mark sheet/ Transcripts indicating name of the courses completed, and grades/ marks obtained against every such course.	
10	If applicable, M. Tech/ M.E degree/ pass certificate.	
11	If applicable, GATE Score Card.	
12	Experience Certificate(s) in Teaching/ Industry/Research (if any).	
13	List of Journal Publications (if any)	
14	List of Conference Publications (if any)	
15	List of Book Chapters/ Books/ publications (if any)	
16	Any other information	
17	Recent Passport size photograph	JPEG image format
18	Scanned signature of the candidate	JPEG image format

Note:

- In the application form, it is advised to properly mention your communication address, email address(s) and present contact number(s) for any communication.
- Incomplete application forms and forms received after due date and time will be summarily rejected.
- No delay related to online application processing or poor internet connectivity etc., will be entertained.

After Application:

The short-listed candidates, to be called for interview, will be intimated only through emails. Candidates are advised to check their given primary email regularly.

Interview Procedure:

The short-listed candidates will be encouraged to appear in person (physically) at NIT Delhi for the interview. No TA/DA shall be paid to candidates for attending the Interview.

Selection Procedure:

- The decision of the expert panel set up for the interview, and subsequently the approval of the competent authority will be considered final. The appointment may be for a time bound project and the candidate is required to work dedicatedly for the successful completion of the project.
- Selected candidate has to join immediately.
- Selected candidates may be encouraged to enroll for Ph.D. as per the PhD ordinance of the Institute and depending on availability of PhD positions at NIT Delhi/ depending on admission process of PhD at NIT Delhi.
- All the Terms and Conditions for this recruitment will be as per ANRF guidelines and as per institute norms as well.

Dr. Navneet Garg
Principal Investigator, ANRF PMECRG Project,
Assistant Professor, Department of Electronics and Communication Engineering,
Zone, P1, National Institute of Technology, Plot No. FA7, GT Karnal Rd, Garthi Khurad, Bakoli,
Delhi, 110036, India.

Copy to:

1. PS to Hon'ble Director (for kind information).
2. Dean (R&C).
3. Head of Department, Electronics and Communication Engineering.
4. Office of Registrar.
5. Scientific Officer (for displaying the advertisement on institute website please).
6. Concerned Person/ portal at ANRF.
7. Office Copy/Project File.
8. Institute Notice Boards.

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Application Form for JRF and Project Associate-I in ANRF/ECRG/2025/001559 at the Department of Electronics and Communication Engineering, National Institute of Technology Delhi.

A. Personal Details

Post Applied:		Junior Research Fellow (JRF)/ Project Associate – I/ Both	
1.	Name (in block letters):		Affix a Passport size Photograph
2.	Father's Name:		
3.	Date of Birth:		
4.	Place of Birth:		
5.	Contact Number (s):		
6.	Email Address:		
7.	Gender:		
8.	Address for correspondence: (Complete Address with pin code)		
9.	Permanent Address: (Complete Address with pin code)		
10.	Category (Gen./OBC/SC/ST):		

B. Educational Details

(In reverse Chronological order i.e. starting with highest degree first to 10th)

Degree	Subjects	University/Institution	Year	Grade or % of marks

C. Experience Details (Teaching/ Industry/ Research)

(In reverse Chronological order i.e. starting with latest experience first)

S. No.	Organization	Nature of Work	Duration	Salary

D. Details of GATE Qualification

Qualification Year		
Discipline		
Score		
Rank		

Marks Obtained		
Validity		
E. Other Details		
Details of Professional Skills		
Title of M. Tech Dissertation		
How the above position is helpful in meeting your career goal (Max 250 words)		
Details of Research Publications (If any)		
Any other relevant information		
References (Two) (Name of two referees who are familiar with your academic and research background)		

I hereby declare that the above information is correct to the best of my knowledge and belief. I understand that my candidature will be cancelled if any information is found incorrect at any given period of time.

Name of the Candidate: (Signature)
Date:
Place: