



मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद
प्रयागराज-211004 (भारत)
Motilal Nehru National Institute of Technology Allahabad
Prayagraj - 211004 (India)
Electronics and Communication Engineering Department

Advertisement No.: 23/ECED/F-66/2025

Date:15/04/2025

Advertisement for the Post of Junior Research Fellow (On Contract)

Applications are invited from Indian nationals for the following position in a research project entitled “**Design and Development of High-Gain, Wideband Beam-Steerable Reflectarray Antennas for 5G mm-Wave and 6G sub-THz Applications**” sponsored by the Anusandhan National Research Foundation (ANRF), Government of India, New Delhi. This project focuses on the design and development of a reflectarray antenna with beam-steering capability using FPGA. The primary objective is to achieve efficient spectrum utilization in the 5G mm-Wave and 6G sub-THz frequency ranges.

The position is purely temporary, co-terminus with the project and will be governed by the project guidelines of Anusandhan National Research Foundation (ANRF), New Delhi and rules & regulations of Motilal Nehru National Institute of Technology Allahabad, Prayagraj, Uttar Pradesh.

| | |
|---------------------------|--|
| Number of the Position | One (1) Junior Research Fellow (JRF) |
| Educational Qualification | (i) M.E./M.Tech. in Electronics Engineering or allied relevant branches and GATE qualified. (ii) B.E./B.Tech. in Electronics and Communication Engineering and GATE qualified. |
| Desirable Experience | Experience in the area of RF and Microwave Engineering and related field is preferable. |
| Other Benefits | Accommodation may be available as per the availability and the Institute norms. Candidate selected for the JRF may register for Ph.D. if eligibility conditions as set by institute [M.E./M.Tech. in relevant branch of Engineering with minimum of 60% marks or CPI 6.5 (In case of SC/ST/PWD marks not below 55% or CPI 6.0) or B.E./B.Tech. in relevant branch of Engineering with minimum of 70% marks or CPI 7.5 (In case of SC/ST/PWD marks not below 65% or CPI 7.0)] is met by candidate. Facility of yearly leave, carryover leave, medical benefits etc. may be available as per applicable rules of the project staff. |
| Fellowship | Rs. 37,000 + HRA @ 20% per month for 2 years and Rs. 42,000 + HRA @ 20% per month for 1 year. |
| Age Limit | As per the ANRF guidelines. |
| Tenure of Appointment | One year. Extendable on performance basis up to 3 years (2 years as JRF + 1 year as SRF). |

Note:

1. The applicant will be responsible for the authenticity of information, other documents and photographs submitted.
2. The Institute reserves the right to accept application at any time, and consider candidates of exceptional credentials without applications.
3. Qualification and experience may be relaxed by the Institute at any point of time for otherwise exceptional candidates. Mere, possessing the prescribed qualification does not ensure that the candidate would be called for Interview. The Candidates will be shortlisted on the basis of merit and need of the project.
4. Shortlisted Candidates will be informed by e-mail about the interview date. So, the candidate must provide valid Email IDs in their applications.
5. Shortlisted candidates have to present themselves for the interview on the interview date with updated CV, publications if any and original and attested photocopies of mark sheets/ certificates in support of their academic qualifications.
6. Applicants in employment (private, government or any other organization) are required to submit a “**No Objection Certificate**” from the employer at the time of interview.
7. No TA/DA will be paid for appearing in the interview.

The duly completed application (soft copy in PDF) on prescribed format along with scanned copies of supporting documents must reach to PI's email id: aksaurabh@mnnit.ac.in (email id of Dr. Arun Kumar Saurabh, Electronics and Communication Engineering Department) with the subject of the email as “Application for JRF (on contract) in ANRF Project” on or before **06/05/2025, 05:00 PM (IST)**.

Name of Principal Investigator (PI): Dr. Arun Kumar Saurabh

Designation: Assistant Professor

Department: Electronics and Communication Engineering



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Electronics and Communication Engineering Department

For office use only

Application No.....

Dated.....

APPLICATION FORM

Advertisement. No.: 23/ECED/F-66/2025

Dated: 15/04/2025

| | | |
|----------------------------------|--|--|
| Research Project Entitled | Design and Development of High-Gain, Wideband Beam-Steerable Reflectarray Antennas for 5G mm-Wave and 6G sub-THz Applications | Self-Attested recent passport size Photograph |
| Funding Agency | Anusandhan National Research Foundation (ANRF), New Delhi | |
| Name of P.I. | Dr. Arun Kumar Saurabh | |
| Name of position | Junior Research Fellow (On Contract) | |
| Department/Section | Electronics and Communication Engineering | |

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|-----|--|--|------------------------------|-------------|-----------------------|-------------|
| 1. | Name of the Candidate (In Capital letters) | | | | | |
| 2. | Sex (Male/Female) | | | | | |
| 3. | Marital Status (Married/Unmarried) | | | | | |
| 4. | Date of Birth | | | | | |
| 5. | Age as on last date of application | _____ Years _____ Months _____ Days | | | | |
| 6. | Father's/Husband's Name | | | | | |
| 7. | Present/Contact Address | | | | | |
| 8. | Permanent Address | | | | | |
| 9. | Mobile No. | | | | | |
| 10. | E-mail | | | | | |
| 11. | Nationality / State | | | | | |
| 12. | Category | Gen/SC/ST/OBC/PH _____ (enclose Self-attested copy of certificate) and women | | | | |
| 13. | GATE | GATE: Yes / No; Roll. No.: _____, Year: _____, Score/Rank _____ | | | | |
| 14. | Educational Qualification | | | | | |
| | Qualification | Subject/Discipline | Board/Institute/Univ. | Year | % of marks/CPI | Div. |
| | 10 th or equivalent | | | | | |
| | 12 th or equivalent | | | | | |
| | Diploma, if any | | | | | |
| | B.E./B.Tech | | | | | |
| | M.E./M.Tech* | | | | | |
| | Other | | | | | |

*Title of B.E/B.Tech. Project:.....

**Title of M.E/M.Tech. Thesis:.....



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| 15. | Details of Experience in chronological order. Enclose a separate sheet duly authenticated under your signature if necessary | | | | | | |
|--------------|---|-------------------|------------------|-----------------------|----------------------|-------|------|
| Organization | Position | Salary/Emoluments | Nature of Duties | Nature of appointment | Period of Experience | | |
| | | | | | Year | Month | Days |
| | | | | | | | |
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| 16. | Research Publications (Attach list): - | | | Numbers | | | |
| | SCI Journals | | | | | | |
| | Scopus Indexed Journals | | | | | | |
| | Non-SCI Journals | | | | | | |
| | International Conference/Seminar/ Symposium Proceeding | | | | | | |
| | National Conference/Seminar/Symposium Proceeding | | | | | | |
| 17. | Any other information | | | | | | |
| 18. | Indicated whether you propose to register for a higher degree* at MNNIT, Allahabad. Yes/No (Name of higher degree is Ph.D.) | | | | | | |

Note:- *Those candidates who wish to be admitted as student for a higher degree must fulfil at least the minimum eligibility for the respective admission as available on the Institute website.

DECLARATION

I hereby declare that all the statements made in this application are true and complete and nothing has been concealed/ distorted. I am aware that, if at any time I am found to have concealed/distorted any material information, my engagement is liable to be summarily terminated without notice.

Place:
Date:

Signature of the Applicant

Enclosure-Self attested copy of documents

1. Proof of Date of Birth.
2. Mark sheets & certificates of all the examinations passed.
3. Category Certificate, if applicable.
4. GATE / NET score card, if passed.
5. Experience certificate, if any.
6. List of Research Publications (Journals and Conferences), if any.