



**INDIAN INSTITUTE OF TECHNOLOGY PATNA**  
**BIHTA PATNA-801106**  
**RESEARCH & DEVELOPMENT UNIT**

**ADVERTISEMENT NO: R&D/941/TOA/327,**  
Project No:- R&D/SP/EE/TOA/2023-24/941

**DATED: 18.12.2023**

Applications are invited in the prescribed format only for the following assignment in a purely time bound research project undertaken in this institute.

**1. (a) Name of the temporary assignment : Junior Research Fellow**

- i. Number of Post : 01
- ii. Duration of the Post : Initially for 6 months extendable up to 1 year

**(b) Name of the temporary assignment : Post-Doctoral Fellow**

- i. Number of Post : 02
- ii. Duration of the Post : Initially for 6 months extendable up to 1 year

2. Name of the temporary research project : "6G: THz Test bed with Orbital Angular Momentum and Multiplexing"

3. Name of the sponsoring Agency: Department of Telecommunications, Ministry of Communications, Government of India.

4. Consolidated Fellowship/Salary:

(a) For Junior Research Fellow: - Rs. 37000/- per month plus 8% HRA as per GoI norms rules

(b) For Post-Doctoral Fellow: - Rs. 58,000/- per month (consolidated) and Rs. 42,000/- per month for candidates who have submitted the thesis but degree not awarded.

5. Qualifications & Experience:

**(a) For Junior Research Fellow: -**

- M.Tech./M.E/M.S. degree in a Engineering/Technology (Relevant Disciplines: Electronics and Communication, RF and Microwave Engineering, and similar) from a recognized University, with a minimum CPI of 6.0 or 60% of marks. Candidate with GATE/NET score will be given preference.
- Work/research experience in the field of Microwave and Millimeter Wave Technology, Antenna and Microwave measurements, and Software such as CST Microwave Studio, HFSS, ADS, and MATLAB will be given preference.
- Bachelor's degree in Engineering/Technology in a relevant discipline with minimum CPI of 8 or 75% of marks with valid GATE score.
- The upper age limit for applying for the above position shall be 28 years. Relaxations for SC/ST/OBC/women/PD will be given as per the GoI rules.



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**(b) For Post-Doctoral Fellow: -**

- Ph.D degree in Engineering/Technology (Relevant Expertise in the field of Microwave and Antenna Technology, RF and Microwave Engineering, Next Generation Communication Technology and similar) from a recognized University. Those who have submitted their PhD thesis and are awaiting award of the degree are also eligible to apply.
- At list one IEEE Journal/ Letter publication and/or a total of minimum 2 SCI Journal publications with experience in CST Microwave Studio, HFSS, ADS, MATLAB and operating measurement instruments such as VNA, Spectrum Analyser, Anechoic Chamber, and other similar will be given preference.
- The upper age limit for the fellowship is 35 years at the time of the submission of application.

Interested and eligible candidates may apply with up-to-date resume, showing Educational qualification (% of Marks obtained from 10th onwards), Experience, Publications, Achievements, Names of two referees.

Please send the resume (pdf and doc) and application mentioning the “post applied for” to the email id: [amitks@iitp.ac.in](mailto:amitks@iitp.ac.in). Please use the file name as: post-applied\_firstname\_lastname.pdf.

Link of Google form: <https://forms.gle/Lq353Jt69Qt9oGBKA>

**Last date of receiving application:** January 10, 2024.

**Date of Interview:** January 15, 2024 (Online)

After the short-listing, the candidates will be informed accordingly to appear for the online written test/interview.

No TA/DA is admissible for appearing in the written test/interview.

For any query contact Investigator(s): **Dr. Amit Kumar Singh, Dept. of Electrical Engineering, IIT Patna, Email: [amitks@iitp.ac.in](mailto:amitks@iitp.ac.in) Tel.: 06115-2338960**

**Deputy Registrar**

Copy to:

1. Associate Dean, R&D, IIT Patna
2. Advertisement file
3. Project file



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**FORMAT OF APPLICATION FOR “JUNIOR RESEARCH FELLOW (JRF)”**

<b>Name &amp; Address</b>  <b>Including email id and Phone no. (for Correspondence)</b>	<b>Category</b>  (GEN/OBC/SC/S T/PT)	<b>DOB</b>  dd/ mm/yy	<b>Professional Exam. (GATE/CSIR-NET, etc) &amp; Validity</b>
<b>NAME IN CAPITAL</b> Address:    Phone: Email:			
<b>Educational Qualification</b>			
<b>Institute/ Board</b>	<b>Exam Passed</b>	<b>Year of Passing</b>	<b>% of Marks/CPI</b>
	10 <sup>th</sup> Class		
	12 <sup>th</sup> Class		
	Bachelors (B.Tech/B.E.) or equivalent		
	Masters (M.Sc/M.Tech/M.E.) or equivalent		
	Ph.D		

<b>Qualifying degree</b>	<b>Degree/ major/Specialization</b>
(B.Sc/B.Tech/B.E./BCA)	
(M.Sc/M.Tech/M.E/MA/MCA)	
Ph.D	

Signature of applicant

Date:

Place: