



# DEFENCE INSTITUTE OF ADVANCED TECHNOLOGY

(Deemed to be University U/s 3 of UGC Act, 1956)

Department of Defence Research & Development

Ministry of Defence, Govt. of India

Girinagar, Pune - 411 025



ADVT. No. 44-2024/JRF/DIAT (DU)

## JRF RECRUITMENT- CALL FOR APPLICATION

1. The Department of Electronics Engineering of this Institute is looking for young Scientists/Engineers for the position of 'Junior Research Fellow (JRF)' to work under **sponsored research project** entitled "**Design & Development of Polyphase Filter for RF Channelization Algorithm for 5G satcom application**". Details/eligibility conditions for selection are given hereunder: -

Sr. No.	Name of Post	No. of Post	Educational Qualifications required	Upper Age-Limit	Monthly Stipend Payable	Tenure
1.	Junior Research Fellow (JRF)	02	<b>Essential:</b> B.E./ B.Tech/ M.Sc. in Electronics/ E&TC/ EEE/ Instrumentation Engineering with First Division with NET/GATE <b>OR</b> Master/ MSc./ Integrated degree or equivalent in Physics, Applied Physics, Biomedical, Bioelectronics, Basic Science, Electronic Science with First Division with NET / GATE qualification <b>OR</b> M.E./M.Tech in VLSI/ Embedded system/ Electronics/ E&TC/ EEE/ Instrumentation Engineering/ Relevant Engineering with First Division both at Graduate & Post Graduate level. <b>Specialization:</b> VLSI/ Embedded system/ Electronics/ E&TC/ EEE/ Instrumentation Engineering. <b>Desirable (not essential):</b> <ul style="list-style-type: none"><li>Strong hands-on design knowledge in(a) FPGA/ Embedded System (b) MATLAB with radar/IP tools, (c) VHDL/IP cores/SDK, SDR and ADS System Design (d) ASIC Design (e) signal processing</li><li>Sound Knowledge of filter design.</li></ul>	Not to exceed 28 Years. (*)	Rs.37,000/- (Consolidated) per month	The positions are purely temporary for 15 months or Co-terminus with the project, whichever is earlier.

**Note:**

- 1) The prescribed date for determining the upper age limit, educational qualifications and/or experience shall be the last date for submitting applications is **12<sup>th</sup> December 2024**. The upper age limit is relaxable up to 05 years for SC/ST, Women & PwBD and 03 years for OBC (NCL) candidates.
- 2) **Recruited Fellows shall be encouraged to register for Ph.D. at this institute through proper channel as per DIAT norms.**
- 3) In addition to the monthly stipend, medical facilities limited to MI Room facilities shall be extended to the incumbent.
- 4) The mode of interview will be "in-person" or "via video conferencing" whichever is suitable to DIAT and shall be intimated to the shortlisted candidates.

2. **How to Apply:** A Brief bio-data duly signed, Application form (available on the website), Proof of Date of Birth, BE./B.Tech M.E/M.Tech mark sheets and degree certificates may be sent to the email ID of the Principal Investigator ([bhubon\\_chandra@diat.ac.in](mailto:bhubon_chandra@diat.ac.in)/ [bhubon1126@gmail.com](mailto:bhubon1126@gmail.com)) in PDF form as a single file, with a subject titled “**Application for JRF**” on or before **12<sup>th</sup> December 2024**.
3. Based on the suitability for the project, the applicants will be called for an interview (in person or via video conference). The shortlisted (for the interview) candidate will be individually informed via email. No TA/DA will be paid for attending the interview of any mode.
4. Candidates have to have their original applications with all necessary educational and other supporting documents/project reports/publications etc., at the time of the interview.
5. **Other Terms & Conditions: -**
  - a) Offer of JRF position does not confer any right for absorption in DIAT (DU), Pune.
  - c) The qualification prescribed/ experience gained should have been obtained from recognized Universities / Institutions/Industries.
  - d) The prescribed educational qualifications are the bare minimum and mere possession of the same does not entitle the candidates to be considered at every stage of the selection process. In case of a large number of applications, based on the recommendations of the Screening Committee, the Principal Investigator may restrict the number of candidates to be called for the interview to a reasonable limit after taking, the qualifications and experience over and above the minimum prescribed in the advertisement, into consideration. Therefore, it is the interest of the candidates, to mention all the qualifications and experience in the application clearly with supporting documents.
  - e) **The selected candidate is required to join duty immediately on receipt of the offer letter.**
6. For further details/clarification, please contact **Dr. Bhubon Chandra Mech, PI**, Dept. of Electronics Engineering on Telephone No. (020) 2460 4524 /27.

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