



# 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. 27-2024/JRF/PA/DIAT (DU)

## PROJECT ASSISTANT & JRF RECRUITMENT- CALL FOR APPLICATION

1. The Department of Applied Physics of this Institute is looking for young Scientists/Engineers for the position of 'Junior Research Fellow (JRF)' & 'Project Assistant (PA)' to work under DRDO sponsored research project entitled "*Design and Development of Ultrafast Fiber Laser for Broadband THz Generation and Detection*".

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)	01	<b>Essential:</b> B.E./ B.Tech/ M.sc or equivalent in First division with Net/GATE.  <u>OR</u> M.E./ M.Tech in First Division both at Graduate and Post graduate level.  <b>Specialization:</b> Physics/ Electronics/ Applied Physics/ Optics/ Photonics of Sciences/Engineering <b>Preferable:</b> Project experience in optics and/ or nonlinear optics and/or fiber optics.	Not to exceed 28 Years. (*)	₹37,000/- + HRA (as applicable)	The positions are temporary for a period of 21 months (OR) co-terminus with the project, whichever is earlier.
2.	Project Assistant	01	<b>Essential:</b> M.E./ M.Tech or M.Sc. from a recognized University or equivalent with 2 Years of experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organizations and Scientific activities and services  <b>Specialization:</b> Physics/ Electronics/ Applied Physics/ Optics/ Photonics of Sciences/Engineering.  <b>Desirable: (For both Positions JRF &amp;PA)</b> 1. Throughout First Class from Secondary Exam. 2. Understanding of Optical Phenomena, Ultrafast fiber lasers and its amplifiers, Nonlinear Optics, Photonics Applications. 3. Journal and conference publications in the related domains of the project is preferable. 4. Good analytical skills and proficiency in simulation software like MATLAB, Python, Comsol Multiphysics, Ansys Lumerical, etc. 5. Should have good knowledge of Computational Physics, Laser Technology/ Fiber Laser/Applied optics. 6. Fluency in both written and spoken English, and strong computer skills	Not to exceed 28 Years. (*)	₹28,000/- + HRA (as applicable)	

Note:

1. (\*) 'The crucial date' for determining the upper age limit is **25<sup>th</sup> July, 2024**. The upper age limit is relaxable up to 05 years for SC/ST, Women & PWD and 03 years for OBC (NC)/ candidates.
2. **Recruited JRF shall be encouraged to register for Ph.D at this institute through proper channel as per DIAT norms.**
3. Hostel accommodation may be provided subject to the availability on a payment basis
4. In addition to the monthly stipend, medical facilities limited to MI Room facilities shall be extended to the incumbent.
5. 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 ([Shyamal\\_mondal@diat.ac.in](mailto:Shyamal_mondal@diat.ac.in)) in PDF form as a single file, with a subject titled "**Application for JRF or PA**" on or before **25<sup>th</sup> July, 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) **Selected candidate is required to join duty immediately on receipt of the offer letter.**
6. For further details/clarification, please contact **Dr. Shyamal Mondal, Principal Investigator**, Dept. of Applied Physics on Telephone No. (020) 2460 4500 / Mobile No. +91 6289100852.

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