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. 24-2025/RA/SRF/JRF/PA/DIAT

RA,SRF,JRF AND PA RECRUITMENT- CALL FOR APPLICATION

1. The Department of Applied Physics of this Institute is looking for young Scientists/Engineers for the position of **Research Associate (RA)**, **Senior Research Fellow (SRF), Junior Research Fellow (JRF) & Project Assistant (PA)** to work under sponsored research project titled "**Design and Development of High-power Ultrafast Fiber Laser-Amplifier System (HUFLAS)".** 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.	Research Associate (RA)	01 (One)	**Essential:** PhD or equivalent degree **OR** 03 years of research, teaching, or design and development experience after M.S./M. Sc./ ME/M.Tech or equivalent with at least one research paper in a Science Citation Indexed (SCI) Journal in the field of Physics/ Electronics/Applied Physics/ Optics/ Photonics of Science/ Engineering with project experience in optics and/or nonlinear optics and/or fiber optics. Degree Awaited will not be entertained. **Desirable** 1. Throughout First Class from Secondary Exam 2. Two peer-reviewed journal papers in the relevant field. 3. Understanding of Optical phenomena, Ultrafast fiber lasers and its amplifiers, Nonlinear Optics, Photonics Applications 4. Good analytical skills and proficiency in simulation software like MATLAB, Python, Ansys Lumerical, Zemax, COMSOL Multiphysics, OptiSystem, etc. Should have good knowledge of Computational physics, Laser Technology/Fiber Laser/ Applied optics. Fluency in both written and spoken English, and strong computer skills	Not to exceed 35 Years. (*)	**1st Year** - ₹58,000/- + HRA(As applicable) per month **2nd Year** - ₹,61000/- + HRA (As applicable) per month **3rd Year**- ₹67,000/- + HRA (As applicable) per month	The position is purely temporary for 03 years or Co-terminus with the project, whichever is earlier

Contd….2

2.	Senior Research Fellow (SRF)	02 (Two)	**Essential:** B.E./ B.Tech/ M.Sc. in First Division with NET/GATE **OR** M.E./M.Tech. with First Division both at Graduate & Post Graduate level in Physics/ Electronics/ Applied Physics/ Optics/ Photonics of Science/ Engineering. Experience: A minimum 02 years of research/ teaching/ industrial experience in the relevant fields is mandatory to the position of SRF. **Desirable**: 1. Throughout First Class from Secondary Exam 2. One peer-reviewed journal paper in the relevant field. 3. Understanding of Optical phenomena, Ultrafast fiber lasers and its amplifiers, Nonlinear Optics, Photonics Applications 4. Journal and conference publications in the related domains of the project is preferable. 5. Good analytical skills and proficiency in simulation software like MATLAB, Python, Comsol Multiphysics, Ansys Lumerical, etc. 6. Should have good knowledge of Computational physics, Laser Technology/Fiber Laser/ Applied optics. 7. Fluency in both written and spoken English, and strong computer skills.	Not to exceed 32 Years. (*)	₹42,000/- + HRA (As applicable) per month *₹33,000/- + HRA (As applicable) per month *If the candidate do not have GATE/NET qualification	The positions are purely temporary for 03 years or Co-terminus with the project, whichever is earlier.
3.	Junior Research Fellow (JRF)	01 (One)	**Essential:** B.E./ B.Tech/ M.Sc. in First Division with NET/GATE **OR** M.E./M.Tech. with First Division both at Graduate & Post Graduate level in Physics/ Electronics/ Applied Physics/ Optics/ Photonics of Science/ Engineering. Note : The JRF will be promoted to SRF after two years, subject to satisfactory performance. **Desirable** 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. Should have good knowledge of Computational physics, Laser Technology/Fiber Laser/ Applied optics—fluency in both written and spoken English, and strong computer skills.	Not to exceed 28 Years. (*)	**For 1st & 2nd Year** - ₹37,000/- + HRA(As applicable) per month **For 3rd Year**- ₹42,000/-+ HRA (As applicable) per month **# For 1st & 2nd Year** ₹30,000/- + HRA (As applicable) per month **# For 3rd Year**- ₹35,000/- + HRA (As applicable) per month **#** If the candidate do not have GATE/NET qualification	The position is purely temporary for 03 years or Co-terminus with the project, whichever is earlier.

Contd….3

4.	Project Assistant (PA)	01 (One)	**Essential:** 1. Bachelor's degree in any discipline 2. Proficiency in computers and in-depth knowledge of Microsoft Office suites. Candidates with prior experience in procurement and office file management will be preferred.	Not to exceed 28 Years. (*)	₹20,000/- + HRA(As applicable) per month	The position is purely temporary for 03 years or Co-terminus with the project, whichever is earlier

Note:

1) (*) 'The crucial date' for determining the upper age limit is **31st October, 2025**. 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 a Ph.D. at this institute through proper channels as per DIAT norms.**
3) In addition to the monthly stipend, medical facilities limited to MI Room facilities shall be extended.
4) Mode of interview will be "in-person" or "via video conferencing," whichever is suitable to DIAT and shall be intimated to the shortlisted candidates.
5) In the event of unavailability of candidates with GATE/NET the position will be filled by the candidates without GATE/NET qualification with the reduced stipend as mentioned above. Thus, candidates not possessing GATE/NET qualification are also encouraged to apply.

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.kgec@gmail.com) in PDF form as a single file, with a subject titled **"Application for RA/SRF/JRF/PA" on or before 31st October, 2025.**

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.

4. Candidates must bring their original application with all necessary educational and other supporting documents/project reports/publications etc., along with 1 (one) set of self-attested copies of each, at the time of the interview.

5. **Other Terms & Conditions: -**
   a) Offer of SRF or INTERN position do not confer any right for absorption in DIAT, 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 them 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, PI,** Department of Applied Physics on Telephone No. (020) 2460 4500 or Mob.: +916289100852.

****