



**DEFENCE INSTITUTE OF ADVANCED TECHNOLOGY**  
**(Deemed to be University U/s 3 of UGC Act, 1956),**  
**Girinagar, Pune-411 025**



(An Autonomous Organisation funded by  
Department of Defence Research & Development, Ministry of Defence, Govt of India)

ADVT NO. 04-2022/JRF/DIAT(DU)

**JRF (01) RECRUITMENT: CALL FOR APPLICATION**

1. The Department of Applied Physics of this Institute are looking for young and dynamic research scholars for the position of **Junior Research Fellow (JRF)** to work in **DIAT** Institute level Research Project entitled "**Realization of Non-SESAM based Modelocking of Ultrafast Laser and its Amplifiers**". The Details/eligibility conditions for selection are given hereunder: -

| Name of Post/<br>Fellowship  | No. of Post | Educational Qualifications required   | Upper Age-Limit             | Monthly Stipend Payable                   | Tenure  |
|------------------------------|-------------|---|-----------------------------|---|---|
| Junior Research Fellow (JRF) | 01<br>(One) | <b>Essential:</b><br>M.Tech/ M. Sc./ MS (Research) Or equivalent 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 (Throughout First Class from Secondary Exam).<br><br><b>Desirable</b><br>1. Understanding of Optical phenomena, 2D materials, Photonics Applications.<br>2. Good analytical skills and proficiency in simulation software like MATLAB, Python, OPTIWAVE, etc.<br>3. Should have good knowledge of Computational physics, Laser Technology/ Fiber Laser/ Applied optics/ Micro & nanofabrication.<br>4. UGC/ CSIR-NET qualified. | Not to exceed 28 Years. (*) | Rs. 31,000/- Per Month (Consolidated) (@) | The position is purely temporary and is for a period of 02 Years OR co-terminus with the project, whichever is earlier. |

**Note-1 :** (\*) 'The crucial date' for determining the upper age-limit is **22 May 2022** (i.e. last date for submission of application form) Upper age-limit is relaxable up to 05 years in case of candidates belonging to Scheduled Castes & Scheduled Tribes, Women and PH and up to 03 years in case of candidates belonging to OBC.

**Note-2:** (@) Accommodation in the Institute campus is likely to be available on payment basis. In addition to the monthly stipend, Medical facilities limited to MI Room facilities will be extended to the incumbent.

**Note-3:** Recruited JRFs and fellowship candidates will be encouraged to register for Ph.D at this Institute through proper channel as per DIAT norms.

**Note - 4:** Mode of Interview will be in-person or through video conferencing.

2. **How to Apply:** A Brief bio-data duly signed, Application form (available on DIAT website), Proof of Date of Birth, Ph.D./M.E/M.Tech/M.Sc mark sheets & Degree Certificates scanned PDF, may be sent to the email ID of the Principal Investigator (shyamal.kgec@gmail.com) with subject titled "**Application for JRF**" on or before **22 May 2022**.

3. Based on the suitability for the project, the applicants will be called for interview (in person or video conference). An Email intimation will be sent to shortlisted candidates only. No TA/DA will be paid for attending the interview of any mode.

4. Candidates have to bring their original applications with all necessary educational and other supporting documents/project reports/publications etc., on the day of the interview.

5. **Other Terms & Conditions:** -

- (i) The qualification prescribed / experience gained should have been obtained from recognized University/ Institutions/ Industries.
- (ii) 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 Principle 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 qualification and experience in the application form clearly with supporting documents.

(iii) Selected candidates will have to join duty immediately on receipt of the offer letter

6. It may please be noted that the offer of JRF does not confer any right for absorption in DIAT (DU), Pune. It may be terminated at any time on one month's notice.

7. For further details/clarification, please visit our website [www.diat.ac.in](http://www.diat.ac.in) or contact **Dr. Shyamal Mondal, Principal Investigator** of the project, Dept of Applied Physics on Telephone Nos. **(020) 24604500, & Mob.:- 6289100852.**

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 (Defence Research & Development Organisation, Ministry Of Defence, Govt. Of India)  
 Girinagar, Pune-411025

**APPLICATION FOR ENGAGEMENT AS JUNIOR RESEARCH FELLOW (JRF)**  
**UNDER DIAT INSTITUTE LEVEL PROJECT**

PASTE HERE  
A SIGNED  
COPY OF  
YOUR RECENT  
PASS-PORT  
SIZE  
PHOTOGRAPH

**Discipline applied for- Dept of Applied Physics** Post: **JRF**

1. Name in full \_\_\_\_\_  
 (as in qualifying degree certificate)
2. Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Pin
3. Email : \_\_\_\_\_ 4. Mobile \_\_\_\_\_
5. Phone No. \_\_\_\_\_ -- \_\_\_\_\_ 6. Marital Status   
STD Code
7. Sex (M/F/TG)
8. Date of Birth \_\_\_\_\_  
 (as in School leaving certificate)
9. Caste : \_\_\_\_\_  
 Gen/SC/ST/OBC(NCL)

10. What are you doing currently:

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11. Details of academic record (Please attach separate sheets if necessary):

| Exam/ Degree             | Branch/ Subject | University/ Institute | Month & Year | % Marks | of | Relative rank in class* |
|--------------------------|-----------------|-----------------------|--------------|---------|----|-------------------------|
| X                        |                 |                       |              |         |    |                         |
| XII                      |                 |                       |              |         |    |                         |
| Bachelors                |                 |                       |              |         |    |                         |
| Year 1                   | SEM 1           |                       |              |         |    |                         |
|                          | SEM 2           |                       |              |         |    |                         |
| Year 2                   | SEM 3           |                       |              |         |    |                         |
|                          | SEM 4           |                       |              |         |    |                         |
| Year 3                   | SEM 5           |                       |              |         |    |                         |
|                          | SEM 6           |                       |              |         |    |                         |
| Year 4                   | SEM 7           |                       |              |         |    |                         |
|                          | SEM 8           |                       |              |         |    |                         |
| Masters                  |                 |                       |              |         |    |                         |
| Year 1                   | SEM 1           |                       |              |         |    |                         |
|                          | SEM 2           |                       |              |         |    |                         |
| Year 2                   | SEM 3           |                       |              |         |    |                         |
|                          | SEM 4           |                       |              |         |    |                         |
| Ph.D.                    |                 |                       |              |         |    |                         |
| Any other Qualifications |                 |                       |              |         |    |                         |

\* Please clearly mention the relative rank in class/division/college/university (if any) . eg. 5<sup>th</sup> in 89 students, 1<sup>st</sup> in university, 3<sup>rd</sup> in state as of the date of application. If you have not received result till date of application, please mention as result awaited.

**12. Research / Professional Experience in reverse chronological order** (*Attach separate sheet with details, if required*)

| <b>Name &amp; Location of University/Institute/Industry/Laboratory</b> | <b>Period</b> | <b>Nature of duties/ Position held</b> | <b>Name of Supervisor</b> | <b>Title of Dissertation/Area of Research</b> |
|--|---------------|--|---------------------------|---|
|  |               |  |                           |   |
|  |               |  |                           |   |
|  |               |  |                           |   |

**13. Additional Information** (*Attach separate sheet with details, if required*)

- a. Ranks/Scores/Awards obtained in university or national level exam such as CSIR, UGC, GATE :
- b. Papers presented at seminar & conferences (*attach copies if any*) :
- c. Projects carried out (if any, other than required for academic program) :
- d. Participation/recognition in competition, such as NTSE, Olympiad, Design Contests:
- e. Any other special recognition/information such as knowledge of special tools/ techniques/skills:

**14.** Any other information: -

**15. Declaration by the Applicant:**

- a. I certify that the information given above is correct and I am aware that providing incorrect information in the application form may result in the cancellation of the selection.
- b. If I accept the above Fellowship, I undertake to abide by the rules and regulations of the Institute.

Date :  
Place :

Signature of Applicant :  
(Name of Applicant)