



**National Institute of Technology Raipur**  
**Department of Mechanical Engineering**  
GE Road Raipur Chhattisgarh - 492010

**ADVERTISEMENT NO:** NITRR/Mech/2024

**DATE:** 4<sup>th</sup> October 2024

Applications are invited for the post of **Junior Research Fellow (JRF) to ARDB (DRDO)** funded project, for a period of three years. The selected candidate will be encouraged to enroll for **Ph.D. program of the Institute (subject to compliance with the Institute norms)**. Interested and eligible candidates (*on being shortlisted*) conforming to the criteria, as detailed below, can attend the **walk-in-interview** in the **Department of Mechanical Engineering, NIT Raipur**.

|                              |  |
|------------------------------|--|
| Name of the Position         | <b>Junior Research Fellow (JRF)</b>  |
| Project Title                | <b><i>Experimental and Numerical Investigations of Fatigue Delamination Behaviour in Composite Laminates under Thermal Loading</i></b>   |
| Principal Investigator (PI)  | <b>Dr. Somnath Bhattacharya, <a href="mailto:somnabhatt.me@nitrr.ac.in">somnabhatt.me@nitrr.ac.in</a></b>  |
| Funding Agency               | <b>Aeronautics R&amp;D Board, DRDO, Ministry of Defence</b>  |
| Tenure of the Project        | <b>Three years</b>   |
| Fellowship                   | <b>Rs 37000/- + HRA for the 1<sup>st</sup> two years and @ Rs 42000/- for the 3<sup>rd</sup> year + HRA</b>  |
| Essential qualifications     | M. Tech. in Mechanical Engineering, with specializations in Design, Machine Design, Computational Mechanics, Applied Mechanics and allied areas with knowledge of Finite Element Method and MATLAB.  |
| Preferrable/ Desirable       | Ph.D.in Mechanical Design with the knowledge and exposure to fatigue and fracture mechanics.   |
| Deadline to fill Google Form | <b>21/10/2024.</b>   |
| Date and Time of Interview   | <b>24/10/2024, 11.30 AM (Tentative)</b>  |
| How to apply                 | Interested candidates are required to fill in the details in the Google form: <a href="https://forms.gle/j4Z5bkyXcegPpPm69">https://forms.gle/j4Z5bkyXcegPpPm69</a> . <b>Shortlisted candidates</b> will be required to attend the walk-in interview along with the printed copy of the filled in application form and the associated/relevant documents. <b>Only selected candidates will be called over for interview.</b> |

**Terms and Conditions;**

1. The above position is purely temporary, and **continuation of fellowship is subject to satisfactory evaluation of performance after each year.**
2. **Candidates are required to appear in the interview with (I) a set of photocopies of all relevant certificates and mark sheets, (II) two passport size photographs, (III) a curriculum-vitae, and (IV) a printed copy of the filled-in application form in prescribed format (page 2).**
3. **No TA/DA is permissible to attend the interview.**
4. Selected candidate will not be allowed to claim any regular/part-time candidature in the institute or any other institution during this period.
5. Canvassing in any form will disqualify the candidate and the appointment shall be co-terminus with the project.

**For further assistance, please contact Dr. Somnath Bhattacharya <[somnabhatt.me@nitrr.ac.in](mailto:somnabhatt.me@nitrr.ac.in)>, Mobile: 9760966656, Associate Professor, Department of Mechanical Engineering, NIT Raipur.**



**National Institute of Technology Raipur**  
**Department of Mechanical Engineering**  
 GE Road Raipur Chhattisgarh - 492010

**Application for the post of Junior Research Fellow (JRF) for ARDB, DRDO Funded Project**

Advertisement No.: NITRR/Mech/2024

Dated: 4<sup>h</sup> October 2024

Post Applied for: **Junior Research Fellow (JRF)**

Affix passport size photograph

Title of the project: *Experimental and Numerical Investigations of Fatigue Delamination Behaviour in Composite Laminates under Thermal Loading*

|   |         |                         |                      |            |      |          |
|---|---------|-------------------------|----------------------|------------|------|----------|
| Name of Candidate (in Block Letter);  |         |                         |                      |            |      |          |
| Date of Birth and Age as on 24/10/2024  |         |                         |                      |            |      |          |
| Contact No. and email ID  |         |                         |                      |            |      |          |
| Correspondence Address  |         |                         |                      |            |      |          |
| Education and Essential and Desirable Qualification(s)<br>(Enclose self-attested copies of all the marksheets and certificates) | Sl. No. | Name of Exam/<br>Degree | Board/<br>University | % of marks | Year | Division |
|   | 1       | 10 <sup>th</sup>        |                      |            |      |          |
|   | 2       | 12 <sup>th</sup>        |                      |            |      |          |
|   | 3       | B.E./B.Tech.            |                      |            |      |          |
|   | 4       | M.E./M. Tech.           |                      |            |      |          |
| 5   | Ph.D.   |                         |                      |            |      |          |
| Work Experience<br>(Enclose self-attested photocopy of experience certificates)   |         |                         |                      |            |      |          |
| GATE Score (if any)   |         |                         |                      |            |      |          |

**Undertaking by the Candidate**

I have thoroughly read the advertisement and understand that the position is purely temporary. I hereby declare that the information dispensed by me in this application form is correct and action can be taken against me if any disparity is observed.

Place:.....

Date: .....

**Signature of the Candidate**

*Please bring along a printed copy of this form (with all the necessary details entered and photo affixed) at the time of interview.*