



NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL
(An Institution of National Importance)
W A R A N G A L – 506004, Telangana State – India
DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING

Adv. No. 01/MME/GVSNR/GTRE/25-26/

Date: 03-01-2026

Advertisement for the Position of JRF

Applications are invited from interested candidates for one temporary position of **Junior Research Fellow (JRF)** under the **DRDO-GTRE** sponsored Project entitled “**Study of High Temperature Characteristics of Aeroengine Alloy under Long Term Exposure**” bearing the sanction number “**GTRE/26CR0001/MTG/GN/CMS-III**”. The Project is for the duration of 3 years.

Details of Qualifications, Emoluments and Duration are given below:

Name of the Position	Junior Research Fellow (JRF) (1 No.) (May be upgraded to senior research fellow (SRF) as per performance and funding norms)
Eligibility	<p><u>Essential Qualifications:</u> M.E./M. Tech. or M.Sc. (Engineering/Science) in one of the following disciplines:</p> <ul style="list-style-type: none">Metallurgical / Materials / Mechanical / Aerospace EngineeringMaterials Science / Physics (with materials specialization) <p>Minimum 60% marks or CGPA ≥ 6.5 at both UG and PG. GATE/NET qualification is desirable but NOT mandatory.</p> <p style="text-align: center;">OR</p> <p>B.E./B.Tech. in Metallurgical / Materials / Mechanical / Aerospace Engineering with at least 60% marks or CGPA ≥ 6.5 in UG and strong academic record and research aptitude.</p> <p>GATE/NET qualification is desirable but NOT mandatory. “Candidate selected for JRF/SRF may be encouraged to register for Ph.D. as per institute norms.” In case of B.E./B.Tech., candidates with $\geq 7.5/10$ CGPA or 70% of marks are eligible for registering direct Ph.D. In case of M.E./M. Tech. or M.Sc., candidates with 60% (first class) or 6.5 CGPA at both UG and PG are eligible for registering Ph.D. Any candidate without GATE score will require either to obtaining GATE score or to clear PhD entrance test conducted by the institute at the time of PhD admissions for the extension of fellowship beyond 3 years of project duration if registered for Ph.D. Else, he/she is required to continue Ph.D. on self-finance basis.</p> <p><u>Desirable:</u> GATE/NET qualification is desirable but NOT mandatory. Background in one or more of the following:</p> <ul style="list-style-type: none">High-temperature materials / aeroengine alloysCreep, fatigue, oxidation, or long-term exposure studiesMechanical testing at elevated temperaturesMicrostructural characterization (SEM, EBSD, XRD, TEM) <p>Experience with:</p> <ul style="list-style-type: none">High-temperature furnacesMechanical testing machines (creep, tensile, fatigue)Metallography and sample preparation <p>Basic knowledge of data analysis and technical report writing. Willingness to travel for project related activities.</p>
Duration	Initially for one year, extendable up to the project duration (maximum 3 years) based on performance and funding availability.
Salary/ Fellowship	<ul style="list-style-type: none">₹37,000/- per month (JRF) during first 2 years₹42,000/- per month (SRF, if upgraded) during 3rd year <p>HRA: 20% (as per institute/DRDO norms).</p> <p>Institute will not provide accommodation for temporary staff such as JRF/ SRF/Technical Assistant etc. employed under any research/consultancy project.</p>

Note:

- The appointment is purely temporary and co-terminus with the project.
- The institute reserves right to fill or not to fill the position.



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- **How to Apply:**

Interested candidates are required to apply in the prescribed application format. Completed application with the copies of certificates/supporting documents should be sent as a **softcopy (all in one PDF file)** by email to gvsnr@nitw.ac.in on or before **5 p.m. of 24-01-2026**. The **hard copy of the application with all certificates / supporting documents also to be sent by registered post to the address mentioned below** to reach by **30-01-2026**. Institute is not responsible for any postal delay. The mode of interview will be offline.

- **Selection Procedure:**

The list of shortlisted candidates and interview date will be displayed on the institute website www.nitw.ac.in.

Address

Dr. G. V. S. Nageswara Rao

Principal Investigator & Professor (HAG)

Department of Metallurgical and Materials Engineering

National Institute of Technology Warangal

Hanumakonda – 506004

Telangana, India

Email: gvsnr@nitw.ac.in



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Application for the Position of JRF

DRDO-GTRE Sponsored Project: “**Study of High Temperature Characteristics of Aeroengine Alloy under Long Term Exposure**”, sanction No. **GTRE/26CR0001/MTG/GN/CMS-III**”.

Last Date of Application:

Soft copy on or before 24-01-2026 (5 pm) by Email

Hard copy on or before 30-01-2026 (by Registered post)

Applicants are required to submit both soft and hard copies.

1. Name in full (In BLOCK LETTERS):

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2. Date of Birth (DOB):

3. Sex (M/F):

4. Marital Status (Single/Married):

5. Nationality:

6. Phone No:

7. Mobile No:

8. Email address:

9. Address:

Correspondence:

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Permanent:

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Affix signed
passport size
recent photograph

10. Qualifying Degree:(SSLC/matriculation/10th class onward, attach the copy of proof)

Examination (Mention specialization if applicable)	Name of the institution	Name of Board/University	Year of Passing	Percentage of Marks / Class / CGPA

11. GATE/NET/JRF details: (Enclose the copy)

Year of appearing:

RANK:

SCORE:

12. Details of Experience if any:

13. M. Tech. Project details / Publications if any (enclose first page):

DECLARATION

I,, S/o.
hereby declare that all the statements made in this application are true, complete and correct to the best of my knowledge and belief. In the event of the information being found false or incorrect or any ineligibility being detected before or after the selection, my candidature is liable to be cancelled.

Date:

Place:

Signature of the Applicant