



NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

(An Institute of National Importance, Ministry of Education, Govt. of India)

Great Eastern (G. E.) Road, Raipur - 492010 (Chhattisgarh)

Phone No.: +91-771-254200

Fax No.: +91-771-2254600

Website: www.nitr.ac.in

Adv. No.: NITRR/ME/2026/7618

Date: 25-06-2026

Department of Mechanical Engineering (ME)

Advertisement for the Post of Research Staff (RA-I) in Aeronautics R&D Board (AR&DB), DRDO ministry of defence funded Project

Applications are invited from eligible candidates for the position of **Research Staff Research Associate-I (RA-I)** on a purely time-bound research project undertaken by the **Department of ME** under the funding of **Aeronautics R&D Board (AR&DB), DRDO Ministry of Defence**.

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| Title of the Project | Advanced Carbon Fiber Phenolic Composite Ablatives: A Solution for Prolonged Durability and Efficiency in Rocket Motor Nozzle Applications |
| Project Investigator(s) | PI: Dr. Neigapula Venkata Swamy Naidu, nvsnaidu.mech@nitrr.ac.in, 9963390988 (M) Co-PI: Dr. Bhargavi Rani Anne, Email Id: branne.mme@nitrr.ac.in, 7799335487 (M) |
| Name of the Position | Research Staff Research Associate-I (RA-I) |
| Number of Vacancy | One (01) Only |
| Area of Research | Polymer Composites, Ablative Polymer Composites, Thermal Protection System (TPS), Characterization of Polymer Composites |
| Consolidated Fellowship | ₹ 69,600 /- (Consolidated Per Month) (Research Staff (RA-I, @58,000/-+20%HRA)) |
| Funding Agency | Aeronautics R&D Board (AR&DB), DRDO Ministry of Defence. |
| Duration of the Project | Three Years (3 Years) |
| Nature of Appointment | The initial appointment is for one year, with the possibility of extension in successive one year period, subject to satisfactory performance, until the project concludes. |
| Essential Qualifications | <ul style="list-style-type: none">Ph.D. in Mechanical/ Chemical Engineering/Polymer Science ORThree years of research experience after M.E./MTech. (in Mechanical/Chemical/ Polymer Science or equivalent) with at least two research papers in SCI or other reputed journal. |
| Desirable Qualifications | <ul style="list-style-type: none">Applicant with the research relevant to the project domain, and research publications support in Polymer Composites, Thermal Protection System (TPS) will be preferred.Applicant should have proficiency in Fundamentals of in design, development, and characterization of polymer composite. |
| How to Apply Detail | <ul style="list-style-type: none">Interested applicants may send the Application (Refer to Submission Instruction) to the Email-ID: nvsnaidu.mech@nitrr.ac.in. In case of any queries, please contact PI / Co-PI |
| Submission Deadline | <ul style="list-style-type: none">The complete application must reach to the specified email-id on or before 08-July-2026. |
| Submission Instructions | <ul style="list-style-type: none">Complete Application (A Single PDF) must be sent with a subject, “Application for the Research Staff”, else, application may be discarded.Complete Application (A Single PDF) should contain all requisite Enclosure(s) in a given sequence – 1 Application Form and Undertaking – (Refer to Annexure-1 & Annexure-2), 2 Aadhar Card and Category Certificate, 3 Educational Qualification Certificates, 4 Experience Certificates, 5 Publications Proof. |
| Interview | <ul style="list-style-type: none">09-July-2026 (A notification email would be sent to the shortlisted candidates only). |
| Other Terms & Conditions | <ol style="list-style-type: none">Only shortlisted candidates will be notified through email to appear for the Interview, and no other communication in this regard will be entertained.The position is purely temporary and may be extended in the successive six-month periods, subject to satisfactory performance, until the project concludes.Selected candidates shall not be permitted to claim any regular or part-time appointments in this Institute or any other organization during this period.Incomplete applications or containing false information will be summarily rejected.The candidates must attend the selection process In-person. No TA/DA will be paid for attending the interview. |
| Note: Applicants are strongly advised to read the complete advertisement carefully before submitting their application. | |



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Annexure-1 (Application Form)

| | | | |
|----------------------------------|--|-------------------------------|----------------------------|
| 1. Name of the Applicant: | | Recent Passport Size Photo | |
| 2. Correspondence Address: | | | |
| 3. Date of Birth: | | | 4. Gender: Male / Female |
| 5. Nationality: | | | 6. Category: Gen/OBC/SC/ST |
| 7. Contact No: | | | |
| 8. Email-ID: | | | |
| 9. Highest Qualification: | | | |
| 10. Area of Expertise: | | | |
| 11. Work Experience (In Months): | | | |

| 12. Details of Academic Qualifications (Starting from UG Degree Onward) (Please Attach Self-Attested Certificates) | | | |
|--|----------------------------------|-----------------------------|----------------|
| Name of the Qualification | Specialization (Branch / Stream) | University / Institute Name | % Marks / CGPA |
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| 13. Details of Relevant Work Experience (Please write in chronological order) [Please Attach Self-Attested Certificates] | | |
|--|-------------|----------|
| Institute / Organization | Designation | Duration |
| | | |
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| 14. No. of Publications (Journals/Book Chapters/Conferences) [Attach Proof]: | |
| 15. Whether GATE / CSIR-UGC NET Qualified [Attach Proof]: | |
| 16. Rate your Skills on the following domain specific knowledge [between 1 (min) to 10 (max)]: | |
| Computer Vision Fundamentals | |
| Deep Learning | |
| Generative Adversarial Networks | |
| 17. Any Other Relevant Information: | |

Date:

Place:

Signature of the Applicant



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Annexure-2 (Undertaking)

I _____ understand that it is a contractual engagement on a purely temporary basis for a project titled “**Advanced Carbon Fiber Phenolic Composite Ablatives: A Solution for Prolonged Durability and Efficiency in Rocket Motor Nozzle Applications**”. I declare that the information provided in the application form is correct to the best of my knowledge and belief. I understand that action can be taken against me if these are found to be incorrect. I agree to all the general terms and conditions of the public Advertisement No. NITRR/ME/2026/(Dated _____) of National Institute of Technology Raipur for Aeronautics R&D Board (AR&DB), DRDO Ministry of Defence Funded Project.

Date:

Place:

Signature of the Applicant

