

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Department of Metallurgical and Materials Engineering)

Dated: 16.03.2026

ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) under the Principal investigator (Name: Dr. Sumeet Mishra), Dept. of Metallurgical and Materials Engineering., Indian Institute of Technology, Roorkee.

1. **Title of project :** *Development of Fracture Locus Using Ductile Damage Models for Armour Grade Steels*
2. **Sponsor of the project:** *ARMREB*
3. **Project position(s) and number:** *JRF, 01*
4. **Qualifications:**
B.Tech./ M.Tech. degree in Metallurgy / Materials Science and Engineering/ Ceramic Engineering/ Polymer Engineering or equivalent.
B.Tech./ M.Tech. degree in Mechanical Engineering/ Production Engineering/ and allied disciplines.
M.Sc. in Materials Science/ Physics/ Chemistry and allied streams with Mathematics at the Undergraduate level.
5. **Emoluments :** *Rs. 37,000/ per month+10% HRA*
6. **Duration:** *2 year or the end of the project*
7. **Job Description:** *The candidate will be involved in research related to the development of fracture and damage models for armour-grade steels. The work will focus on understanding the deformation and failure mechanisms and formulating appropriate damage criteria for predicting fracture behavior under different loading conditions.*
8. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
9. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of Principal Investigator through email, by post or produce at the time of Interview:
 - CV including chronological discipline of degree/certificates obtained.
 - Experience including research, industrial field and others.
 - Attested copies of degree/certificate and experience certificate.
10. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
11. Preference will be given to SC/ST candidates on equal qualifications and experience.
12. Please note that no TA/DA is admissible for attending the interview.

Note: The selected candidate may get an opportunity for PhD admission.

Interview will be held on 7th July 2026 in offline mode, Room No. 211, MMED, IIT Roorkee.

Time: 11:00 AM

Sumeet Mishra

Sumeet Mishra
Sumeet Mishra 20/06/2026

Name and signature of Principal Investigator

Tel: 9621931122

Email: sumeet.mishra@mt.iitr.ac.in

*To be uploaded on IIT Roorkee website and copy may be sent to appropriate addresses by PI for wider circulation.

APPROVED

[Signature]
Dean

Sponsored Research & Industrial Consultancy
Indian Institute of Technology Roorkee
Roorkee-247 667 (INDIA)

[Signature]
23/06/2026

[Signature]
23/6/26

सुमित मिश्रा/Sumeet Mishra
सहायक प्राध्यापक/Assistant Professor
धातुकर्म एवं पदार्थ अभियांत्रिकी विभाग
Metallurgical & Materials Engg. Deptt.
भारतीय प्रौद्योगिकी संस्थान रुड़की/I.I.T. Roorkee