



Department of Mechanical Engineering
Indian Institute of Technology Indore

Advertisement for Junior Research Fellow (JRF)

Applications are invited from motivated and eligible candidates for a Junior Research Fellow (JRF) position in the research project supported by Aeronautical R&D Board (ARDB), DRDO, vide Govt. of India, Ministry of Defence. The details of the project are given below:

Name of Post	Junior Research Fellow (JRF)
No. of post	One (01)
Title of The Project	Experimental investigations on enhancing the fatigue strength, wear, and corrosion properties of DMLS-produced Ti6Al4V alloy using hot isostatic pressing, secondary heat treatment, and laser nitriding.
Principal Investigator	Dr. Girish Verma, Assistant Professor Mechanical Engineering, IIT Indore
Co-Principal Investigator	Dr. Indrasen Singh, Associate Professor Mechanical Engineering, IIT Indore
Tenure of Project	Maximum 3.0 years or till the end of the project, whichever is earlier.
Job Description	Candidate needs to perform wear and corrosion experiments on additively manufactured (DMLS) Ti64 alloy. Apart from this, the candidate has to perform heat treatment and evaluate the microstructure of samples. Responsibilities also include research analysis and scientific journal publication.
Essential Qualification	M. Tech. in Mechanical Engineering/Aerospace Engineering/Materials Engineering or equivalent (with first division as defined by the awarding Institute / University).
Desirable Qualification	The candidate needs to have good knowledge of the material characterization methods.
Age Limit	Preferably below 40 Years
Salary	Rs. 37,000/- pm+ HRA (as per institute norms)
Last Date & Time	Interested candidates are requested to apply for the position through the Google form: https://forms.gle/DTyJaFu23rmnZAN67 <input type="checkbox"/> The last date for submitting the application form is Aug 22, 2024 . <input type="checkbox"/> The CV should include details of academic grades starting from the 10th standard onwards with details of the year of passing, institute/university/college, etc., and work experience and nature of work if applicable. <input type="checkbox"/> Incomplete applications will be rejected. <input type="checkbox"/> For any technical problem with submitting the application, please write to girish.verma@iiti.ac.in
Only shortlisted candidates will be informed about the date of the interview by email. The appointment is purely temporary and may be co-terminus with the project. Mere possession of the minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merit and as per the requirements of the project. The Google Meet link will be shared only with the shortlisted candidates before the date of the interview. Interview Date: Would be communicated by 24th July 2025	