



**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:

<b>Name of Post</b>	<b>Junior Research Fellow (JRF)</b>
<b>No. of post</b>	One (01)
<b>Title of The Project</b>	<b>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.</b>
<b>Principal Investigator</b>	Dr. Girish Verma, Assistant Professor Mechanical Engineering, IIT Indore
<b>Co-Principal Investigator</b>	Dr. Indrasen Singh, Associate Professor Mechanical Engineering, IIT Indore
<b>Tenure of Project</b>	Maximum 3.0 years or till end of the project, whichever is earlier.
<b>Job Description</b>	Candidate needs to perform stress-controlled fatigue experiments on Ti-alloy. It is also required to perform fracture experiments on UTM and high strain rate testing using split-Hopkinson pressure bar (SHPB) setup. Responsibilities include research analysis and scientific journal publication.
<b>Essential Qualification</b>	M. Tech. in Mechanical Engineering/Aerospace Engineering/Materials Engineering or equivalent (with first division as defined by the awarding Institute / University).
<b>Desirable Qualification</b>	Candidate needs to have good knowledge of mechanical characterization of materials, mechanical behavior of materials, fatigue and fracture.
<b>Age Limit</b>	Preferably below 40 Years
<b>Salary</b>	<b>Rs. 37,000/- pm+ HRA (as per institute norms)</b>
<b>Last Date &amp; Time</b>	Interested candidates are requested to apply for the position through Google form: <a href="https://forms.gle/TxSPhsvSkkb4WGYe6">https://forms.gle/TxSPhsvSkkb4WGYe6</a> <input type="checkbox"/> The last date for submitting the application form is <a href="#">July 25, 2025</a> . <input type="checkbox"/> The CV should include details of academic grades starting from 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 <a href="mailto:indrasen@iiti.ac.in">indrasen@iiti.ac.in</a>
Only shortlisted candidates will be informed about the date of the interview by email. The appointment is purely temporary and may co-terminus with the project. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be short listed based on their merit and as per the requirement of the project. Google meet link will be shared only with the shortlisted candidates before the date of the interview. <a href="#">Interview Date: Would be communicated by 26<sup>th</sup> July 2025</a>	