



INDIAN INSTITUTE OF TECHNOLOGY ROPAR

Department of Mechanical Engineering

Satish Dhawan Block, IIT Ropar, Rupnagar, Punjab-140001

Advertisement for JRF in AR&DB Sponsored Project

Applications are invited from Indian nationals to work as a **Junior Research Fellow (JRF)** in a research project funded by Aeronautics Research & Development Board (ARDB), Government of India.

Title of the Research Project: Investigating the effect of graphene hybridization and weathering conditions on the fatigue performance of GFRPs and CFRPs

Project Number: ARDB/SP/4513/2261

Brief description of the Project: The main objectives are: -

- To investigate the effect of graphene modification on micro level fatigue behavior of GFRPs and CFRPs.
- To investigate and compare the fatigue performance of conventional and graphene modified CFRPs and GFRPs.
- To examine the influence of weathering conditions of fatigue performance of hybrid CFRPs and GFRPs.

Duration: 3 years or till the completion of the project, whichever is earlier.

Position: 01

Essential Qualifications:

1). B.Tech in Mechanical and M.Tech in Mechanical/Aerospace Engineering/Applied Mechanics from a recognized institute. Candidate must have obtained at least 60% marks or 6.0 CGPA out of 10 in their Master's with GATE score.

Or

2). Exceptional candidates having B.Tech/B.E degree in Mechanical/Aerospace Engineering with at least 60% marks or 6.0 CGPA out of 10 and valid GATE score can apply for the position.

Desirable Qualifications: Candidate having basic knowledge of MATLAB/Fortran/Abaqus will be given preference.

Emoluments: As per AR&DB rules.

General Terms and Conditions:

1. The position is temporary which will be renewed every year subject to satisfactory performance.
2. Candidate selected for this position **can apply for the regular PhD program** provided he/she qualifies the eligibility criterion for PhD program at IIT Ropar.
3. Original documents of mark sheet/degrees/certificates/age proof and other testimonials must be presented at the time of interview.

How to apply?

Please apply through this link:

<https://docs.google.com/forms/d/e/1FAIpQLScSuJiAgh35gqsM65cn6OApDCv2GeJLj6ZoCJoTQg5DWlzzQg/viewform?usp=dialog>

Last date of the application: **20-10-2026**

Selection Procedure: The shortlisted candidate will be informed through an email regarding the interview date. Interview will be held in Online mode.

Dr. Sachin Kumar (PI)

Associate Professor

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