



INDIAN INSTITUTE OF TECHNOLOGY ROPAR

Nangal Road, Rupnagar, Punjab-140001

Advertisement for the Postdoctoral Position

Applications are invited from highly motivated and qualified candidates for a Postdoctoral Research Position under the mentorship of Dr. Sachin Kumar, Department of Mechanical Engineering, Indian Institute of Technology Ropar. The selected candidate will work on cutting-edge research in computational and experimental solid mechanics. Applicants should have demonstrated research expertise in **at least one** of the following areas:

1. **Computational Mechanics:** Fracture and damage mechanics, phase-field modeling, gradient damage modeling.

OR

2. **Auxetic Structures:** Design, numerical analysis, optimization and experimental characterization.

OR

3. **Composite Materials:** Experimental and computational analysis experience of CFRPs and GFRPs, including mechanical characterization, damage and failure analysis

Duration: The position is contractual and may be extended for up to 1 year, subject to the candidate's satisfactory performance, with renewal every 6 months.

Essential qualifications: Ph.D. in Mechanical Engineering, Aerospace Engineering and Material Science. Candidates who have submitted their Ph.D. thesis are also eligible to apply.

Desirable Qualifications: The candidate should have strong background of computational and experimental mechanics. Expertise in finite element analysis, scientific programming and advanced experimental techniques will be an added advantage.

Upper age limit: 35 years (Relaxation as per GoI norms is applicable).

Emoluments: The selected candidate will receive a consolidated fellowship of Rs. 60000/- per month.

How to Apply? Eligible applicants should fill out the google form:

<https://docs.google.com/forms/d/e/1FAIpQLSdySa0w-7zACvzA-q4VnHLmy0szWngX9NhtHyHl6EeLAIA6A/viewform?usp=publish-editor>

Last Date for receipt of application: 30/08/2026

The short-listed candidates will be called for an online interview. After selection, the candidate must join immediately upon receiving the offer letter, in accordance with the Institute's joining rules.

For any inquiry, write to sachin@iitrpr.ac.in

Dr. Sachin Kumar

Principal Investigator

Associate Professor

Department of Mechanical Engineering

Indian Institute of Technology Ropar

Rupnagar -140001, Punjab

Email: sachin@iitrpr.ac.in