



Advt. No.: IITJMU/R&C/Advt/2021/47

Dated: 10/03/2022

### Advertisement for the Position of JRF

Applications are invited from the interested candidates for the post of **Junior Research Fellow (JRF)** to work on the project titled “**SMA Actuated Lightweight Auxetic Hinge for UAV applications**” sponsored by DRDO.

No. of Positions	Position	Area of Specialization	Duration	Consolidated Salary per Month	Number of Positions
1	Junior Research Fellow	Finite Element simulations, Fluent (Fluid structure interaction), Coding in Matlab	06 months (will be extended)	Rs. 31000/- (Per month plus HRA as per GoI norms)	01

#### \*Minimum Qualification:

- Essential Qualification:
  - M.Tech or Equivalent in Mechanical Engineering or allied branches from a recognized technical institute/university as a full-time program.
  - One-time GATE qualification Score
  - Upper age limit: 35 years
- Desired Qualification:
  - Knowledge of design software such as Solidworks / creo etc., introductory knowledge of Fluid simulations and knowledge of coding platform such as Matlab/Python.
  - Preference may be given to the candidate having appropriate knowledge of experimentation, scientific writing.

#### Brief Objective of Project:

The main objective of this proposal is to design develop Auxetic structure and simulate it for different UAV applications.

#### Application Process:

Duly filled application form along with the requested details, scanned copies of certificates, other supporting documents, should be uploaded through the online portal (<https://apply.iitjammu.ac.in/#/home>) latest by March 18<sup>th</sup>, 2022. Please apply through the [contract/project staff/JRF/SRF] tab on the referred

application portal. Candidates who are already employed should produce a relieving certificate from their employers if selected. The interview will be conducted for all shortlisted candidates.

**Attention:**

1. The applicant will be responsible for the authenticity of the information, other documents, and photographs submitted.
2. The candidate will work in coordination with two mentors from IIT Jammu and IIT Kanpur
3. Merely possessing the prescribed qualification does not ensure that the candidate would be called for an Interview. The candidates may be shortlisted based on merit and need for the project.
4. Shortlisted candidates will be informed by e-mail about the interview. So, the candidate must provide valid e-mail IDs, phone number information in their applications.
5. Shortlisted candidates must present themselves for the interview on the interview date with an updated CV and original and attested photocopies of mark sheets/certificates in support of their academic qualifications. Only shortlisted candidates will be called for the interview. The time of the interview will be informed to the shortlisted candidates by e-mail. The interview will be held by using the online platform.
6. Candidates who are already employed should produce a relieving certificate from their employers if selected.
7. The last date for receiving the duly filled in application is 18<sup>th</sup> March, 2022, through an online portal.
8. The date of interview will be informed to the shortlisted candidates through email.
9. The selected JRF may get an opportunity to peruse PhD at IIT Jammu as per institute norms.

**Address for Correspondence:**

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