



भारतीय प्रौद्योगिकी संस्थान इंदौर

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Indian Institute of Technology Indore

Khandwa Road, Simrol, Indore – 453552, India

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IIT Indore

Date: 30/09/2024

## Advertisement for JRF Position in SERB-DST Funded Project

Applications are invited from motivated and eligible candidates for a JRF position in the SERB-DST research project “**Flexoelectric effects in dielectric solids and membranes: Exploring the numerical simulation and experimental studies for energy harvesting applications.**”

**Brief description of the project:** Objective of the project is investigating mechanical behaviour of the elastic solids and membranes considering piezoelectric and flexoelectric effects through finite element and atomistic simulation. The in-house computer programs need to be developed for finite element simulation. Experimental studies on energy harvesting are also part of the proposed project.

**Eligibility:** M. E. or M. Tech. or equivalent degree in **Design Engineering/Applied Mechanics/Mechanical Engineering or relevant engineering discipline** (with at least 60% marks or first class or equivalent). Candidates should have a sound knowledge of the strength of materials, mechanical vibrations, and machine design and computer programming (such as MATLAB). **A GATE qualification, but a valid GATE is not required.**

**Duration:** The appointment will be for 1 year initially, and based on the performance of the candidate, tenure can be extended up to three years.

**Admission to PhD Program:** Candidates may also be considered for admission to the Ph.D. program under FA category depending upon the eligibility criteria given by the Department of Mechanical Engineering, IIT Indore.

**Stipend:** (i) Rs 37,000/- per month (for first two years) + HRA as per funding agency norms.  
(ii) Rs 42,000/- per month (for third year) + HRA as per funding agency norms.

### How to Apply:

- Interested candidates are requested to apply for the position through Google form: <https://forms.gle/VF7p93V9PXbq4nF66>
- The last date for submitting the application form is **31/10/2024**.
- 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.
- Incomplete applications will be rejected.
- For any technical problem with submitting the application please write to **sandeeps@iiti.ac.in**

**Selection process (online interview):** Only shortlisted candidates will be called for an interview. Selected candidates will be intimated by email for an interview. Interviews are likely to be conducted in the first week of **November 2024**.