



## Advertisement for the position of Junior Research Fellow (JRF) in DST funded project on Computational Solid Mechanics at Department of Mechanical and Aerospace Engineering, IIT Hyderabad

Applications are invited from talented, motivated candidates for a research project in the Department of Mechanical and Aerospace Engineering of the Indian Institute of Technology Hyderabad (IITH) on a Department of Science & Technology (DST funded project).

|    |                              |  |
|----|------------------------------|--|
| 01 | Name of the advertised post  | Junior Research Fellow (JRF)   |
| 02 | Number of posts              | One  |
| 03 | Name of the research project | Modelling progressive damage and fracture using nonlocal theories and data-driven constitutive laws  |
| 04 | Name of sponsoring agency    | DST-SERB   |
| 05 | Duration of the position     | One year (possible extension based on performance)   |
| 06 | Monthly stipend              | Rs 31,000 (+24% HRA)<br>(Or Hostel facility in campus subject to availability)   |
| 07 | Essential Qualifications     | M. Tech from reputed Universities (IITs/NITs preferred) in Mechanical/Aerospace/Civil Engineering or other allied areas with 60% or equivalent CGPA. Applicants with specialization in Applied Mechanics/Mechanics and Design/Computational Mechanics or similar fields will be preferred. |



|    |                          |   |
|----|--------------------------|---|
| 08 | Preferred Qualifications | <ol style="list-style-type: none"><li>1. Strong background in analytical &amp; computational methods.</li><li>2. Good programming skills in Python</li><li>3. Previous knowledge of AI/ML techniques and proficiency in Python is preferred.</li></ol> <p>Students with their own DST fellowships are encouraged to apply if interested in at least some part of the project.</p>   |
| 09 | Application              | <p>Eligible candidates should apply with their CV via email to <a href="mailto:sidhardh@mae.iith.ac.in">sidhardh@mae.iith.ac.in</a> on or before 21<sup>th</sup> Dec 2022, 1700 hrs, with the subject marked as "[JRF-SERB] Application".</p> <p>Candidate should provide short justification note to support his/her application. Candidates will be shortlisted for the interview based on merit and experience. Only the shortlisted candidates will be informed via email. Merely meeting the criteria may not guarantee a call for an interview.</p> |
| 10 | Queries                  | <p>Contact the PI by email below with subject heading "[JRF-SERB] Query".</p> <p>Name: Dr. Sai Sidhardh<br/>E-mail: <a href="mailto:sidhardh@mae.iith.ac.in">sidhardh@mae.iith.ac.in</a></p>  |

Note:

- Shortlisted candidates for personal, online interview will be informed over email only from the above-mentioned email ID and suitable date for interview will be intimated to them.
- The position is on-site and in IIT Hyderabad campus.