

Indian Institute of Technology Jammu
Department of Mechanical Engineering

Applications are invited for one temporary post of Junior Research Fellow, for the project titled: **'Evolution and Influence of Coherent Structures on Entrainment in a Transient Diabatic Plume – Implications for Cumulus Cloud Flows'** funded by SERB. The post requires the candidate to work with the principle investigator, Dr. Samrat Rao. The work will require the candidate to post-process and analyse data obtained from simulations, run codes (locally written and commercially available) to obtain data, write scientific documents/manuscripts and making presentations.

No. of Posts: 01 (Temporary, one year and possible extension for one more year. Continuation of the candidature will be based on performance).

Salary: Rs. 31,000/- per month (consolidated). Provision for HRA is not available.

Requirements:

1. Master of Technology/Engineering in Mechanical/Aerospace/Civil Engineering with specialization in Thermal Sciences.
2. Bachelor of Technology/Engineering in Mechanical/Aerospace/Civil Engineering with specialization in Fluid Sciences.

Essential Experience: Knowledge of fluid mechanics. Good programming skills in Fortran/C/C++/Matlab/equivalent programming language.

Desirable Experience: Good knowledge in data post-processing softwares like Matlab and Tecplot/Paraview/equivalent software.

Interested candidates may send their detailed CV to the undersigned with the **Subject: "Junior Research Fellow"** on or before January 21, 2020. The application must also provide contact addresses (including e-mail ids and telephone nos.).

The department reserves the right to fix suitable criteria for shortlisting of eligible candidates based on qualifications and experience. Only the shortlisted candidates will accordingly be called for the interview. The date and time of the interview will be informed to the shortlisted candidates by e-mail.

Please note that no TA/DA will be paid for attending the written test/interview.

Dr. Samrat Rao
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