



INDIAN INSTITUTE OF TECHNOLOGY ROPAR
Rupnagar, Punjab – 140 001 (INDIA)

Advertisement for the position of a Junior Research Fellow (JRF)

August 30, 2018

WALK-in interview on 01/10/2018

The **Dept. Mech. Eng., IIT Ropar** invites applications for one full-time position of a junior research fellow (JRF) for an ISRO-sponsored project. The fellow will be working at the Combustor Dynamics and Controls lab. The lab's current research focus includes novel concepts in combustion and clean energy generation. Research activities are being conducted in collaboration with national and international partners and the lab is financially-supported by IIT Ropar and national R&D institutes.

Tasks

The JRF will have the opportunity of working on research tasks concerning fluid dynamics, acoustics, heat transfer, and combustion. The tasks assigned would largely deal with experiments but may also involve analytical studies and low-order numerical modeling. The fellow will be required to contribute to the research group by undertaking responsibilities related to (but not limited to) designing experiments, conducting the experiments, data preparation, post-processing, and documentation. Tasks are to be performed under the direct supervision of Dr. Lipika Kabiraj and it is expected that the JRF takes the initiative and shows creativity in arriving at innovative solutions to technical problems during the project.

Eligibility: essential qualifications

M.Tech in Mechanical/Chemical/Aerospace Engineering and GATE or CSIR UGC NET qualified.

Desirable qualifications/skills

Experience with Matlab or similar software, CAD, and COMSOL.

Mode of selection: Walk-in interview

Interviews will be conducted on 01.10.2018, 10:00–13:30 at ^{CR-I} Transit Campus I, IIT Ropar. Candidates eligible for the position may contact Dr. Kabiraj **before 15.09.2018** to indicate the intent to appear for the interview. Applicants are required to bring original copies of their degree certificates, resume, project reports, research articles, and any other document that might support their application. No TA/DA will be provided for attending the interview. Candidates reaching after 14:00 will not be entertained.

Duration of contract

The duration of the project is two years. The JRF position will be given initially for one year and may be extended subsequently based on satisfactory performance.

Salary

The pay will be in accordance with the ISRO norms for a JRF position: INR 25000 + 8% HRA pm.

Contact

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Lipika Kabiraj