



# Indian Institute of Science

CV Raman Rd, Bengaluru, Karnataka 560012

## Advertisement for the Post of Junior Research Fellow (JRF) in the Department of Mechanical Engineering

Date: 06.03.2025

We are seeking qualified and enthusiastic candidates for the post of Junior Research Fellow (JRF) in a fixed-duration research project, purely on a contractual basis as per the following details. Please e-mail your CV and SOP with the subject line “Application for JRF under CSIR project” to [himabindu@iisc.ac.in](mailto:himabindu@iisc.ac.in).

Position	Junior Research Fellow (JRF)
Number of Vacancies	01 (One)
Project Title	Experimental studies with NH <sub>3</sub> /Air pre-mixtures using plasma ignition in a constant volume combustion chamber (CVCC)
Department	Department of Mechanical Engineering, Indian Institute of Science, Bengaluru
Project Tenure	One year (extendable based on funding and performance)
Job Description	The JRF is expected to design and conduct research experiments, analyze the data, write reports and manuscripts, and present as required. Regular tasks include working on device fabrication, characterization analysis, and optimization. Knowledge or experience in Engine testing and performance, automotive combustion, CFD, etc are preferred.
Job Type	Full Time
Essential Qualification	The minimum qualifications are BS 4 years program/ Integrated BS-MS/BE/BTech or equivalent degree in Mechanical Engineering, with 55% marks and passing of NET/GATE test.
Age Limit	JRF-28 years
Age relaxation	The upper age limit is relax-able up-to 5 years in the case of candidates belonging to scheduled castes/tribes/OBC, women and physically handicapped candidates.
Fellowship	Rs. 37,000/- per month as per CSIR norms. HRA as per institute norms
Application Deadline	30.03.2025. Shortlisted candidates will be intimated by email and may be called for online / offline interview.