



Advertisement for the post of JRF in SERB funded Research Project

Applications are invited from Indian nationals for the position of JRF (Junior Research Fellow) in a SERB funded research project with the following details:

Title of the Project: *Development of Electrohydrodynamic Pump for Thermal Management of Electronics devices*

Principal Investigator: Dr. Vijay S Duryodhan, Assistant Professor, Department of Mechanical Engineering, IIT Bhilai, GEC Campus, Sejbahar, Raipur, Chhattisgarh- 492015.
(vijayd@iitbhilai.ac.in).

For other details and the project team, please visit the homepage-
<https://www.iitbhilai.ac.in/index.php?pid=vijayd>

Name of the position: JRF (Junior Research Fellow)

Number of Positions: 01

Essential qualifications: B.E. /B. Tech. in Mechanical / Aerospace Engineering from a recognized institute/university, with first class, 60% marks or equivalent (55% marks for SC/ST) and having a valid GATE score in the relevant subject.

(or)

M.E. /M. Tech. /M.S. in Mechanical / Aerospace Engineering from a recognized institute/university, with first class, 60% marks or equivalent (55% marks for SC/ST) and having GATE qualification in the relevant subject.

(or)

M.Sc. in Physics (with specialization in Electromagnetism, Classical mechanics) from a recognized institute/university, with first class, 60% marks or equivalent (55% marks for SC/ST) and having a valid CSIR-UGC NET score or GATE score in the relevant subject.

Desirable: Preference will be given to the candidates having experience relevant to the project such as working experience on Ansys-Fluent, OpenFOAM, COMSOL Multiphysics software, also experience in the areas such as Microfluidics, Electrohydrodynamic and Magnetohydrodynamic, etc.

Age limit: Maximum 30 years.

Salary: ₹ 31000/- per month +16% HRA to applicants who are selected through (a) National Eligibility Test CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (b) A



भारतीय प्रौद्योगिकी संस्थान भिलाई

Indian Institute of Technology Bhilai

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selection process through a national level examination conducted by central government departments and their agencies and institutions.

Duration: The initial appointment will be given for 1 year and is extendable based on performance review for remaining 2 years of the project completion (Total project duration 3 years).

How to apply: Interested candidates must apply on the application form attached with this advertisement. Duly completed application form along with candidate's resume must be mailed or emailed to the PI so as to reach him by 28/07/2023. Only shortlisted candidates will be called for interview. The positions are available immediately.

Due date: The application must reach the PI, Dr. Vijay S. Duryodhan (vijayd@iitbhilai.ac.in), by 28/07/2023.

Terms & Conditions:

- i. No TA/DA will be provided to the candidate for the interview
- ii. The PI shall not be responsible for postal/courier delay if any, or any other reason for non-receipt of the document at the specified time and will result in disqualification/rejection of the application.
- iii. The decision of the selection committee will be final.
- iv. If the number of shortlisted candidates called for the interview is large, the selection committee may decide to restrict the number of candidates for the interview to a reasonable limit after considering qualifications and experience over and above the minimum prescribed in the advertisement.
- v. The appointment of the candidate will be governed by the terms and conditions of the Institute/funding agency particularly applicable to the said project as and when required.
- vi. The selected candidate will have to join duty immediately on receipt of the offer.
- vii. The fellowship may be terminated with a 30-day notice before completion of the tenure if performance till date is not deemed satisfactory.