



## Indian Institute of Technology, Indore

Simrol, Khandwa road, Indore- 453552

Date 20-Sep-2021

### Advertisement for Junior Research Fellow Position

Applications are invited from the motivated and eligible candidates for the post of junior research fellow (JRF) in an 'Indo-Russian Joint Research Project' funded by Department of Science & Technology, Government of India and Russian Foundation for Basic Research (RFBR) of Russia titled "**Heat Transfer intensification in novel design micro-pin-fin heat sink for microprocessor cooling with improved temperature uniformity**".

#### The objective of the project:

Aim of this project is to investigate a novel design micro-pin-fin heat sink for microprocessor cooling with improved temperature uniformity and quantify possible enhancement in the overall heat transfer coefficient. Significantly improved performance in micro-pin-fin heat sink compared to current systems while observing the simplicity of design and affordability of manufacture, leading to significantly reduced capital costs.

#### Eligibility:

##### Essential:

1. M. Tech/M.E. degree in Thermal Engineering/Mechanical Engineering.
2. GATE qualified in Mechanical Engineering.

##### Desirable:

Candidate with prior experience on modeling work in single-phase/two-phase flow using commercial software such as ANSYS/Fluent will be given preference

**Stipend: 31,000** per month.HRA as per rules.

#### Duration:

The initial appointment is till **June 30, 2022**& it may extend further till the end of project.

#### How to Apply:

Interested candidates are requested to submit a detailed CV to Rehan Khan, via e-mail: [phd1601203004@iiti.ac.in](mailto:phd1601203004@iiti.ac.in) with the subject line "JRF Application" latest by **11/10/2021**.



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The CV should include details of academic grades/percentage, year of passing, college, university starting from SSC onwards. Kindly mention the work experience in detail of related field.

Incomplete applications will be rejected. In case of any query related to the project, kindly email to Dr.Ritunesh Kumar at [ritunesh@iiti.ac.in](mailto:ritunesh@iiti.ac.in).

**Shortlisted candidates for interview will be intimated by email. No query regarding shortlisting will be entertained. No TA/DA will be paid for attending the interview. The Institute reserves the right to fill or not to fill the post advertised.**