



# Indian Institute of Technology Indore

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भारतीय प्रौद्योगिकी संस्थान इन्दौर

सिमरोल, इन्दौर 453 552, भारत

IIT Indore

## Advertisement for Recruitment of Junior Research Fellow under ANRF/ ECRG

Applications are invited from interested and motivated candidates for the post of Junior Research Fellow (JRF) in a research project as per the following details.

<b>Position</b>	Junior Research Fellow funded by ANRF, Early Career Research Grant scheme, File no. <a href="#">ANRF/ECRG/2024/002168/PMS</a>
<b>Number of Vacancy</b>	01
<b>Project Title</b>	Analysis of some mathematical systems modelling heat transfer between two Navier-Stokes-Fourier fluids separated by an elastic interface.
<b>Department</b>	Mathematics.
<b>Fellowship duration</b>	Starting from January, 2025, the fellowship is available for a duration of 2 years and 7 months.
<b>Job Description</b>	The selected candidate will work with the research group of Dr. Sourav Mitra in the department of Mathematics at IIT Indore. He/ She will be working on the mathematical analysis of fluid and fluid-structure interaction problems arising in Mathematical Physics. The candidate requires a good grasp of 'Measure theory' and 'Functional Analysis' to work in this project.
<b>Essential Qualification</b>	(a) M.Sc, with minimum 65% or 7 CGPA from a recognized university / institute. (b) Candidates must have qualified CSIR-UGC NET or GATE Examination. (b) The candidate requires strong background in Measure theory and Functional Analysis. Some exposure to the theory of Partial differential equations will be appreciated.
<b>Age Limit</b>	28 years.
<b>Fellowship</b>	Rs. 37,000/- p.m.+HRA: Rs. 7,400/- (first 2 years) Rs. 42,000/- p.m.+HRA: Rs. 8,400/-(final seven months).

Interested candidates are requested to submit a detailed softcopy of their CV with all relevant Essential Qualification Degree Certificates, Marks Sheets, Date of Birth Certificate in a single pdf file to [souravmitra@iiti.ac.in](mailto:souravmitra@iiti.ac.in) by **25/12/2025**. The subject of the mail should be 'application for JRF position under ANRF/ ECRG'.

Tentative Date of Online Interview: **Last week of December 2025**. Only shortlisted candidates will be called for an online interview. Selected candidates will be intimated by email.

### **Address for Correspondence:**

Prof/ Dr Sourav Mitra (email: [souravmitra@iiti.ac.in](mailto:souravmitra@iiti.ac.in)),

Department of Mathematics, IIT Indore.

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