



# 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 ResearchFellow (JRF) in a research project as per the following details.

Position	Junior Research Fellow funded by ANRF, Early Career Research Grant scheme, File no. <a href="#">ANRF/ECRG/2024/002168/PMS</a>
Number of Vacancy	01
Project Title	Analysis of some mathematical systems modelling heat transfer between two Navier-Stokes-Fourier fluids separated by an elastic interface.
Department	Mathematics.
Fellowship duration	Starting from January, 2026, the fellowship is available for a duration of 2 years and 7 months.
Job Description	<p>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.</p> <p><i>Depending on the performance and following the institute norms the candidate may later be offered a PhD position.</i></p>
Essential Qualification	<p>(a) M.Sc. with minimum 65% or 7 CGPA from a recognized university / institute.</p> <p>(b) Candidates must have qualified CSIR-UGC NET or GATE Examination.</p> <p>(b) The candidate requires strong background in Measure theory and Functional Analysis. Some exposure to the theory of Partial differential equations will be appreciated.</p>
Age Limit	28 years.
Fellowship	<p>Rs. 37,000/- p.m.+HRA: Rs. 7,400/- (first 2 years)</p> <p>Rs. 42,000/- p.m.+HRA: Rs. 8,400/-(final seven months).</p>

Interested candidates are requested to submit a detailed softcopy of their CV with all relevant EssentialQualification 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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