

**DEPARTMENT OF MECHANICAL & INDUSTRIAL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

Advt. No.: MIED/PDF/ 2141

Dated: 12-October-2026

ADVERTISEMENT FOR POSTDOCTORAL FELLOWSHIP (PDF) POSITION

The Department of Mechanical & Industrial Engineering at the Indian Institute of Technology Roorkee invites applications from outstanding and enthusiastic researchers for the following position.

Position	Post-Doctoral Fellow (PDF)		Number of position(s)	01
Project Title	Development of an Immersed Boundary Method (IBM) for Granular Flows in OpenFOAM			
Mentor	Prof. Ankit Bansal, Department of Mechanical & Industrial Engineering, IIT Roorkee			
Duration	Full-time, Two Years			
Fellowship (per month)	1 st Year		2 nd Year	
	Rs. 80,000 + (HRA as applicable)		Rs. 80,000 + (HRA as applicable)	
Contingency	Rs. 50,000 per Year			

ELIGIBILITY:

- The candidate must have completed a Ph.D. thesis in Mechanical Engineering/ Chemical Engineering with a research focus on Computational Fluid Dynamics (CFD).
- The candidate must possess expertise in gas dynamics, reactive flows, C++ programming, and OpenFOAM-based CFD simulations.
- The candidate must have published 2-3 research papers as the first author in SCI-indexed journals, based on their Ph.D. research in compressible flows.

SALIENT POINTS:

- The prospective candidate must possess the minimum eligibility conditions mentioned above.
- The candidate should be passionate about working on cutting-edge research, leading to high-impact publications.
- Apart from research activities under the above project, the candidate will be entrusted with other academic responsibilities, including mentoring UG/PG students, participating in research discussions, and other activities as deemed fit by the mentor.
- The candidate is expected to join the department as soon as the offer letter is released.
- Post-doctoral Fellows will be registered as students and may avail facilities of the library, computer center, available hospital facilities etc. They will be entitled to 2.5 days of leave per completed calendar month. No carry forward for leave will be allowed beyond a calendar year. PDF positions are purely temporary.

APPLICATION PROCEDURE:

Interested candidates are requested to submit their academic details, including Ph.D. information, through the Google Form:

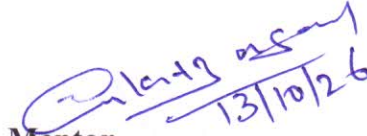
<https://docs.google.com/forms/d/e/1FAIpQLSd8AY5ztF0dhLeoG6ithNZzpjLvAH9yz2sikPICePKd33-0XQ/viewform?usp=publish-editor>

Candidates will be shortlisted based on eligibility and suitability for the position. Shortlisted candidates will be informed about the interview, and final selection will be made based on the overall assessment.

Note: Submission of the Google Form does not guarantee selection. Only shortlisted candidates will be contacted for an interview.

Last date for the submission of application: 28 October 2026 (Wednesday)

(Note: Applications received after this date will not be considered)


Mentor

(Prof. Ankit Bansal, MIED)

प्राध्यापक / Professor

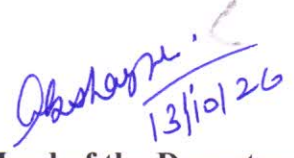
यांत्रिक एवं औद्योगिक अभियांत्रिकी विभाग

Deptt. of Mech. & Ind. Engg.

भारतीय प्रौद्योगिकी संस्थान रुड़की

Indian Institute of Technology Roorkee

रुड़की-247 667 / Roorkee-247 667


(Head of the Department)

विभागाध्यक्ष, यांत्रिक एवं औद्योगिक अभियांत्रिकी विभाग

भारतीय प्रौद्योगिकी संस्थान, रुड़की

Head, Department of Mechanical and Industrial Engineering

Indian Institute of Technology, Roorkee