

**DEPARTMENT OF CHEMICAL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

Advt. No.: ChED/PDF/ 1348

Dated: 01-May-2024

ADVERTISEMENT FOR POSTDOCTORAL FELLOWSHIP (PDF) POSITION

The Department of Chemical 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	Advancements in cell-centered nodal integral methods (CCNIM) for efficient solution of Navier-Stokes equations		
Mentor	Prof. Ram Prakash Bharti, Department of Chemical Engineering, IIT Roorkee		
Duration of Fellowship	Full-time, Two Years; Extendable to one more year		
Consolidated Fellowship (per month)	1 st Year	2 nd Year	3 rd Year
	Rs. 55,000	Rs. 55,000	Rs. 60,000
Contingency (per year)	Rs. 50,000		

MINIMUM ELIGIBILITY CONDITIONS:

- Ph.D. degree in Engineering/ Mathematics/ Computer Science focused on Computational Fluid Dynamics (CFD) from any of the premier institutes/university. *Candidates who have recently submitted their thesis are also eligible to apply subject to the condition that they should furnish the proof of the award of a Ph.D. degree at the time of interview.
- The candidate must have proven knowledge/experience in fluid mechanics, advanced engineering mathematics, CFD code/algorithm development, and advanced scientific programming.
- The candidate must have published 2 – 3 international refereed high-quality SCI (Science Citation Index) journal articles, as a first author from his/her Ph.D. research, on developing CFD algorithm/approach.
- The candidates experienced only with commercial CFD software (ANSYS, COMSOL, etc.) are not suitable for the proposed work.


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.*
- The postdoctoral fellow (PDF) will be registered as a student and subject to the guidelines notified via notification No. IITR/Rect./E-5508/4237 dated 07.05.2019 for the facilities/benefits, and work progress, etc.

APPLICATION PROCEDURE:

Candidates should apply with a (a) covering letter, (b) detailed CV, (c) list of publications from own Ph.D. work, (d) a research statement describing past research experience and future research plans, (e) Justification of suitability of eligibility and experience for the position, in a single PDF file named "*Candidate Name_Ph.D. Institute_Year of Ph.D*" and **submit by e-mail** with subject "*Application for PDF_Advt. No.*" to the Head, Department of Chemical Engineering, Indian Institute of Technology Roorkee, Roorkee -247667, Uttarakhand, India. E-mail: head@ch.iitr.ac.in, rpbharti@iitr.ac.in

Last date for application: 14 May 2024


H.O.D.
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