

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Department of Mechanical and Industrial Engineering)

Dated: 18/11/2025

ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) under the Principal investigator (Name: Prof. Arup Kumar Das), Dept. of Mechanical and Industrial Engineering, Indian Institute of Technology, Roorkee.

1. Title of project: Development of Computational Fluid Dynamics (CFD) framework for boiling and DNB prediction
 2. Sponsor of the project: Department of Atomic Energy, Board of Research in Nuclear Sciences, Mumbai
 3. Project position(s) and number: Junior Research Fellow (01 Nos.)
 4. Qualifications: M.Tech./M.E./M.S. in Thermal Engineering or in equivalent specialization with valid GATE Score or B.Tech./B.E. in Mechanical Engineering with valid gate score and experience in fluid-thermal simulation
 5. Emoluments: 37,000/- per month (no HRA)
 6. Duration: 1 Year (renewable for six more months upon satisfactory performance)
 7. Job description: Numerical simulation of boiling heat transfer in nuclear rod bundles aiming to model departure from nucleate boiling using Eulerian-Eulerian computational fluid dynamics
1. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
 2. Candidates desiring to appear for the Interview should bring the following documents at the time of interview
 - Application in a plain paper with detailed CV including chronological discipline of degree/certificates obtained.
 - Experience including research, industrial field and others.
 - Attested copies of degree/certificate and experience certificate.
 3. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
 4. Preference will be given to SC/ST candidates on equal qualifications and experience.
 5. Please note that no TA/DA is admissible for attending the interview.

Note: The selected candidate may get an opportunity for PhD admission.

The walk in interview will be held at Committee Room, East Block, Mech. and Ind. Engg., IIT Roorkee on 06-12-2025 at 10:30 AM

Approved

Tel: 01332284802

Email: arup.das@me.iitr.ac.in

(Signature)
डीन (SRIC) / (Dean SRIC)
भा. प्रौ. सं. रुड़की / IIT Roorkee

Prof. Arup Kumar Das
Principal Investigator

*To be uploaded on IIT Roorkee website and copy may be sent to appropriate addresses by PI for wider circulation.

(Signature)
19/11/2025