

**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Department of Mathematics)**

Dated: 13.09.2025

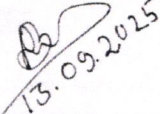
ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

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: **Prof. Premananda Bera, Department of Mathematics, Indian Institute of Technology, Roorkee.**

1. Title of project: **Instability and transition behavior of slip parallel flow in a superposed fluid-porous channel**
 2. Sponsor of the project: ANRF, New Delhi
 3. Project position(s) and number: **Junior Research Fellow, one**
 4. Qualifications: Candidates that fulfil following qualification criteria are encouraged to apply for the position:
 - A. M.Sc. Mathematics,
 - B. Qualified in a national level test, such as- GATE/ UGC-NET /CSIR-NET including lectureship (Assistant Professorship) / Ph.D. only. (Requirements of the national level tests such as GATEAIET is exempted for candidates having > 8.0 CGPA in qualifying degree from the Ministry of Education funded Technical Institutions (erstwhile CFTIs of MoE))
 5. Emoluments: **JRF: 37,000/p.m. (for the first two years) SRF: Rs.42,000/p.m. (for rest of the period). + HRA (as per institute rule)**
 6. Duration: **October 22nd, 2025 to 23rd March 2027, (The selected JRF candidate will have the opportunity to register for the Ph.D. program at IIT Roorkee as per institute norms)**
 7. Job description: Selected candidate has to work on ``*Theoretical as well as numerical investigation of stability of slip-Parallel flow in superposed fluid porous system.*'' So, he/she has to learn (i) **linear and non-linear stability theory**, (ii) **development of numerical code**, (iii) **Numerical simulation of secondary and tertiary flow beyond the instability point, writing the manuscript, as well as report ..**
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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 submit their applications with the following documents to the office of Principal Investigator through email, by post or produce 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.



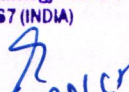
5. Please note that no TA/DA is admissible for attending the interview.
6. The last date for application to be submitted to office of Principal Investigator is 14th Octoberber.by 5 PM.
7. The interview will be held online. Date and time of the interview along with meeting link will be communicated to the shortlisted candidates via email.
8. Selected candidate can immediately join the project position.


13.09.2025
Dr. Premananda Bera,
Email: p.bera@ma.iitr.ac.in
Tel: 91 1332 285071

APPROVED


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Indian Institute of Technology Roorkee
Roorkee-247 667 (INDIA)


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