

No. SRIC/06
Dated: June 06, 2026

**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
DEPARTMENT OF HYDRO AND RENEWABLE
ENERGY**

ADVERTISEMENT TO FILLUP PROJECT POSITION

Applications are invited from Indian nationals only for Junior Research Fellow as per the details given below for the consultancy/research project(s) under the Prof. C S Pant, Principal investigator, Department of Hydro and Renewable Energy, Indian Institute of Technology Roorkee.

1. Title of project: Harnessing Hydrokinetic Energy: Enhancing Darrieus Turbine Performance with Advanced Techniques (Artificial Neural Network, Numerical and Experimental)
2. Sponsor of the project: Prime Minister Early Career Research Grant (PMECR-ANRF)
3. Project position(s) and number: Junior Research Fellow (JRF) -1 no.
4. Qualifications: B.E./B.Tech., and/or M.E./M.Tech in Computer Science/Mechanical Engineering or relevant field (with GATE and/or UGC NET qualified)
Experience: Working hands on Computational Fluid Dynamics, Python, ML/AI, Experiments
5. Emoluments: Rs. 37,000 /- + HRA per month
6. Duration: Initially for 1 year (may extend up to 2 years based on performance)
7. Job description:
 - (a) CFD simulations of hydrokinetic turbines
 - (b) ML predictions of performance of hydrokinetic turbines
 - (c) Experimental work

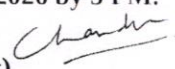
Conditions:

- i. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
- ii. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of Principal Investigator through email, google link, by post or produce at the time of Interview (**in single PDF file**):
 - 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.
- iii. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
- iv. Preference will be given to SC/ST candidates on equal qualifications and experience.
- v. Please note that no TA/DA is admissible for attending the interview.
- vi. **Selected JRF may get an opportunity to convert it to PhD based on performance having valid GATE score as per IITR guidelines.**
- vii. The interview will be held online/offline for the shortlisted applicants. The details will be notified to the shortlisted candidates by email.

The last date for application to be submitted to office of Principal Investigator is **June 26, 2026 by 5 PM.**

Email: csp@hre.iitr.ac.in

APPROVED

(C S Pant) 
Principal Investigator


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


Dean

Sponsored Research & Industrial Consultancy
Indian Institute of Technology Roorkee
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