

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE

Department of Civil Engineering

Dated: 04.01.2022

ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

Applications are invited from Indian nationals only for project position as per the details given below for the research project under the Principal investigator Dr Shubhankar Roy Chowdhury, Civil Engineering, Indian Institute of Technology, Roorkee.

1. Title of project: **Multiscale virtual testing and experiments of FRP composites for high-speed train and infrastructure applications**
2. Sponsor of the project: SERB, New Delhi
3. Project position(s) and number: Junior Research Fellow, one in number
4. Qualifications:
 - (a) Master's Degree (MTech/ ME) in Structural Engineering/ Earthquake Engineering or related areas of Civil Engineering.
 - (b) Candidate must be GATE qualified.
5. Emoluments: 31,000 INR per month + HRA (as per IITR Rule)
6. Duration: Until the end of the project (December 2023)
7. Job description:

The project includes computational model development as well as laboratory based experiments on fiber reinforced polymer composites. The candidate should have the following skills.

 - Strong background in mechanics of composites, Finite Element Method
 - Proficiency in programming for numerical methods in any language (C++, Fortran, Python)
 - Good writing and communication skill
 - Experience in carrying out laboratory experiments on FRP composites' fracture or damage.
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 (shubhankar.rc@ce.iitr.ac.in)
 - 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. Preference will be given to SC/ST candidates on equal qualifications and experience.
4. Please note that no TA/DA is admissible for attending the interview.
5. Interview will be conducted in an online mode.

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

The last date for application to be submitted to office of Principal Investigator is 30th January 2022 by 5 PM.

The interview date will be informed to the short-listed candidates through email.

Dr Shubhankar Roy Chowdhury

Tel: 9945675112

Email: shubhankar.rc@ce.iitr.ac.in

Name and signature
of Principal Investigator

Approved

Mamish

04 Jan 2022
Rojar 4-1-22
SRIC