

**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE**  
(Department of Civil Engineering)

Dated: March 16, 2020

**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: Dr. Rajib Chowdhury), Department of Civil Engineering, Indian Institute of Technology, Roorkee.

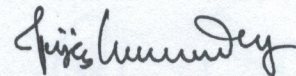
1. Title of project: Development of a design-through-analysis methodology based on isogeometric technology: Application to Phase-Field Fracture and Topology Optimization (Project No. SER-1507-CED)
2. Sponsor of the project: SERB, New Delhi
3. Project position(s) and number: JRF (1<sup>st</sup> two years)/SRF (3<sup>rd</sup> year) - 01
4. Qualifications: M.E./M.Tech. in Structural Engineering/Computational Mechanics/Mechanical Engineering with GATE Qualified.
5. Emoluments: Rs. 31,000 (1st two years) per month/ Rs. 35,000 (3rd Year) per month
6. Duration: 3 years
7. Job description: Development of computational tools (in-house codes in C++/Python) for isogeometric/finite-element analysis, topology optimization. Prior working knowledge on FENICS and scientific programming in C++/Python in finite-element analysis is preferable.

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.

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

The last date for application to be submitted to office of Principal Investigator is .....by 5 PM.  
(not applicable for walk in interview)

The interview will be held at Civil Engineering Dept. on Apr. 03, 2020 at 11.00 AM (to be given only for walk in interview)



(Rajib Chowdhury)


Name and signature of  
Principal Investigator

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

Approved   
20/03/2020  
प्रधान (सिरी) / Dean (SRIC)