

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE  
Department of Civil Engineering

Dated: 04/12/2023

ADVERTISEMENT TO FILL UP PROJECT POSITIONS\*

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

1. **Title of project:** Unravelling the characteristics of Ultra High Performance Concrete: From micro to macro for sustainable infrastructure development.
2. **Sponsor of the project:** Systra India, Faridabad, Haryana
3. **Project position(s) and number:** Junior Research Fellow (JRF), 01
4. **Qualifications:** B.E./ B.Tech (Civil Engineering)/ M.E./ M.Tech (Structural Engineering or any other relevant field) with qualified GATE score.
5. **Emoluments:** 37,000/- INR per month + 9% HRA (as per IITR rules)
6. **Duration:** 12 months or up to the end of the project (31<sup>st</sup> January, 2025)
7. **Job description:** Development of indigenous mix for UHPC, understanding the mix kinetics, experimental and numerical simulation of fibre bridging action. Knowledge in Concrete Technology, Material characterization and programming 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.

**Note: The selected candidate may get an opportunity for PhD admission based on their performance.**  
*The last date for application to be submitted to office of Principal Investigator is 26<sup>th</sup> December, 2023 by 5 PM.*

The interview will be held online. Shortlisted candidates will be notified through email regarding details of the same.

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*S. Dutta 04/12/23*  
Dr. Sudakshina Dutta  
(Principal Investigator)

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

*Approved*  
*Reddy*  
*4/12/2023*