

INDIAN INSTITUTE OF TECHNOLOGY,
ROORKEE
(Department of Biosciences and Bioengineering)

Dated: 02.12.2025

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 (Name: **Prof. Saugata Hazra**), Dept./Centre Biosciences and Bioengineering, Indian Institute of Technology, Roorkee.

1. **Title of project:** Development and Clinical Validation of an Artificial Intelligence-empowered antibiotic susceptibility device towards optimizing antimicrobial therapy regimen in leukemia and bone marrow transplant patients.
 2. **Sponsor of the project:** ICMR, New Delhi
 3. **Project position(s) and number:** Project Assistant (one)
 4. **Qualifications:**
Essential: Master's Degree or Equivalent in Bioinformatics/Computational Biology.
Desirable: Practical experience with genome sequencing and molecular dynamics simulations is essential. Should be comfortable working in a Linux-based environment and must be proficient in at least one programming language (Python, R, Perl, or C++). Experience with AI/ML tools would be an added advantage.
 5. **Duration:** Two years, extendable to another year
 6. **Job description:**
 - i. Genome Sequencing
 - ii. Molecular Modelling.
 - iii. Virtual Screening, Docking and Simulation
 - iv. Developing an AI model for gene-to-function correlation
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 the Principal Investigator through email, by post or produce them at the time of the Interview:
 - Application in plain paper with a detailed CV including a chronological discipline of the degrees/certificates obtained.
 - Experience including research, industrial field and others.
 - Attested copies of the 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.
 The last date for submitting the application to the office of the Principal Investigator is December 15, 2025, at 5:00 PM.
 The interview will be held at 11AM on 2nd January 2026, in the Committee Room of New Biotech Building, IIT Roorkee

Tel: +918171064462 Email: Saugata.hazra@bt.iitr.ac.in

Approved

Saugata Hazra

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Name and signature
of Principal Investigator

Sponsored Research & Industrial Consultancy

Indian Institute of Technology Roorkee

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