SRIC/06

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

Dated: 28.10.2026

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 validation of an automated Beta-lactamase sentinel device for rapid environmental AMR surveillance"
2. **Sponsor of the project:** CCAMP, Bangalore
3. **Project position(s) and number:** Project Assistant (02)
4. **Qualifications:**

   Essential: Postgraduate degree in Life Sciences / Biotechnology or related disciplines, with training relevant to molecular biology, biochemistry, biotechnology, bioinformatics or computational biology.

   Desirable: Research experience in structural biochemistry and computational biology, including protein modelling, molecular docking, molecular dynamics simulations (MDS), bioinformatics and genomic data analysis. Familiarity with microbiological techniques, bacterial culture, sequence analysis and BLAST. Experience with molecular visualization and analysis tools such as PyMOL, GROMACS, LigPlot, RasMol, and related scientific software. Experience in Python, AI/ML and LLMs, along with exposure to protein structure-function analysis and interdisciplinary research workflows, will be advantageous.

   Duration: ~~Four years~~ 09 months or upto 06/4/2027.

5. **Job description:**
   i. Basic Microbiology Routine Work
   ii. Computational protein analysis, modelling, molecular docking and molecular dynamics simulation
   iii. Bioinformatics, genomic/sequence analysis and interpretation of biological data
   iv. Support for molecular biology, microbiology and interdisciplinary research workflows

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 with equal qualifications and experience.
5. Please note that no TA/DA is admissible for attending the interview.
6. Salary of the hired personnel will be Rs. 30,600 + HRA
   The interview will be held at 09 AM on **16th November, 2026**, in the Committee Room of the New Biotech Building, IIT Roorkee (Walk In Interview)

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Princip

29/10

Saugata Hazra

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Investigator

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

Approved

Dean
Sponsored Research & Industrial Consultancy
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