

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Department of Electronics and Communication Engineering)

Dated: 20th June 2006

ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

Applications are invited from Indian nationals only for Junior Research Fellow (JRF) position(s) as per the details given below for the research project under the Principal investigator (Name: **Prof. Bishnu Prasad Das**), Department of Electronics and Communication Engineering, Indian Institute of Technology, Roorkee.

1. Title of project : **RISC-V processor with In-memory Computation (IMC) for image processing in vision-based tracking application**
2. Sponsor of the project: ISRO BENGALURU
3. Project position(s) and number: One JRF position
4. Qualifications: B.Tech./M.Tech. degree in Electronics and Communication Engineering or equivalent with **Qualified GATE score.**
5. Emoluments: Rs 37,000/- + HRA per month
6. Duration: for ONE- year (extendable up to three years based on performance)
7. **Job description:** The candidate will be responsible for the design and implementation of RISC-V processor with In-memory computation (IMC) in chip-level. The knowledge of Digital VLSI Circuit Design, Memory Design, processor architecture are essential. The candidate should have experience in RTL design, verification, and simulation. The candidate should have experience in Cadence Virtuoso, SPICE simulations including parasitic extracted netlist simulation and Monte-Carlo simulation. **The candidate may get an opportunity for PhD admission.**
8. The candidate should have enthusiasm to coordinate and work at pace with collaborating organization.
9. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
10. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of Principal Investigator through email, (bishnu.das@ece.iitr.ac.in)
 - Application 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.
 - **Subject of the email should be "Application for the post of JRF in a project entitled "RISC-V processor with In-memory Computation (IMC) for image processing in vision-based tracking application". Also, fill the google form <https://forms.gle/wnKH1rgkzqNFMReb8>**
11. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
12. Preference will be given to SC/ST candidates on equal qualifications and experience.
13. Please note that no TA/DA is admissible for attending the interview.

The last date for application to be submitted to the Principal Investigator through email is June 30, 2026 by 5 PM. The interview will be held in online mode on July 2, 2026 at 10:00 AM.

APPROVED

Tel: +91-1332-284798

Email: bishnu.das@ece.iitr.ac.in

Name and signature of Principal Investigator
 (Prof. Bishnu Prasad Das)

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

Sponsored Research & Industrial Consultancy

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22/06/2024 22/6/16 22/6/26