



भारतीय प्रौद्योगिकी संस्थान भिलाई

जिला-दुर्ग, छत्तीसगढ़-491001

Dist.- Durg, Chhattisgarh - 491001

Website: www.iitbhilai.ac.in

Advertisement for the post of JRF & SRF in DST-funded Research Project under National Quantum Mission

Applications are invited from Indian nationals for the position of JRF/SRF in a DST-funded project under the National Quantum Mission (NQM) with the following details:

Title of the Project: *Development of tamper-proof SCA/FI resistant 10Gbps post-quantum In-line IP network encryptor, Post-Quantum TLS ASIC (PQ-TLS), TLS Accelerator PCIe card using PQ-TLS ASIC for TLS offloading in servers*

Principal Investigator: Dr. Dhiman Saha, Assistant Prof. CSE, IIT Bhilai, Chhattisgarh, 491001 (dhiman@iitbhilai.ac.in).

Name of the position: Junior Research Fellow

Number of Positions: 01

Essential qualifications: Post-graduate Degree in Basic Sciences or Graduate/Post-Graduate Degree in Professional Courses selected through the following:

1. Scholars who are selected through National Eligibility Tests – CSIR-UGC NET, including lectureship and GATE.

OR

The selection process through National level examinations conducted by Central Government Departments and their Agencies and institutions, such as DST, DBT, DAE, DOS, DRDO, MoE, IACR, ICMR, IIT, IISc, IISER, NISER, etc.

Desirable: The ideal candidates should possess a strong foundation in Mathematics, Computer Science, and programming, complemented by a good understanding of cryptography and post-quantum cryptography. The ability to work effectively under tight deadlines and manage the project is crucial.

Age limit: 35 years

Salary: 37,000 + 18% HRA

Duration: This position is initially for one year, which may be extendable annually as per project requirements and subject to performance.



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Name of the position: Senior Research Fellow

Number of Positions: 01

Essential qualifications: Post-graduate Degree in Basic Sciences or Graduate/Post-Graduate Degree in Professional Courses selected through the followings:

1. Scholars who are selected through National Eligibility Tests – CSIR-UGC NET, including lectureship and GATE.

OR

The selection process through National level examinations conducted by Central Government Departments and their Agencies and institutions, such as DST, DBT, DAE, DOS, DRDO, MoE, IACR, ICMR, IIT, IISc, IISER, NISER, etc.

2. 02 years of research experience in the relevant discipline.

Desirable: The ideal candidates should possess a strong foundation in Mathematics, Computer Science, and programming, complemented by a good understanding of cryptography and post-quantum cryptography. The ability to work effectively under tight deadlines and manage the project is crucial.

Age limit: 35 years

Salary: 42,000 + 18% HRA

Duration: This position is initially for one year, which may be extendable annually as per project requirements and subject to performance.

How to apply: Interested candidates must apply on the application form attached to this advertisement. A duly completed application form along with the candidate's resume must be mailed or emailed to the PI to reach him by 04/06/2025. Only shortlisted candidates will be called for an interview. The positions are available immediately.

Due date: The application must reach the PI, Dr. Dhiman Saha (decipheredlab@iitbhilai.ac.in), by 04/06/2025.

Date of Interview: 06/06/2025 (Tentative)

Venue: Room No. 413B, ED-1 Building, IIT Bhilai

Time: 12 Noon



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Terms & Conditions:

- i. No TA/DA will be provided to the candidate for the interview
- ii. The PI shall not be responsible for postal/courier delay, if any, or any other reason for non-receipt of the document at the specified time that will result in disqualification/rejection of the application.
- iii. The decision of the selection committee will be final.
- iv. If the number of shortlisted candidates called for the interview is large, the selection committee may decide to restrict the number of candidates for the interview to a reasonable limit after considering qualifications and experience over and above the minimum prescribed in the advertisement.
- v. The appointment of the candidate will be governed by the terms and conditions of the institute/funding agency, particularly applicable to the said project as and when required.
- vi. The selected candidate will have to join duty immediately on receipt of the offer.
- vii. The fellowship may be terminated with a 30-day notice before completion of the tenure if performance till date is not deemed satisfactory.



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Application Form

JRF/SRF positions in a DST-funded project at IIT Bhilai

Personal Details			
Name			
Date of Birth (DD/MM/YY)		Gender Male/Female	
Marital Status (DD/MM/YY)		Category Gen/SC/ST/OBC	
Nationality			
Mailing address		Permanent Address	
Mobile/phone number			
Email			



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Education Details (starting from matriculation)

S. No.	Degree	Discipline	Univ./ College	Regular/ Part time	Year of Passing	% of Marks/ CGPA/ CPI	Division

Qualifying Examinations (CSIR/NET/GATE/ Others)

Examination	Branch	Year	Valid Up to	Percentile	All India Rank

Professional Experience (Research/Industrial/Teaching/Others)

Name of Organization	Designation	Duration		Nature of work (attach separate sheet if necessary)
		From	To	



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Research Publications:

Awards, Patents, Prizes:

Any Other Relevant Information:



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DECLARATION

I hereby declare that I have carefully read the instructions and particulars and that the entries made in this application form are correct to the best of my knowledge and belief. If selected for admission, I promise to abide by the rules and discipline of the institute.

I note that the decision of the institute is final in regard to selection for admission and assignment to a particular department and field of study. The institute will have the right to expel me from the institute at any time after my admission, provided it is satisfied that I was admitted on false particulars furnished by me or my antecedents prove that my continuance in the institute is not desirable. I agree that I shall abide by the decision of the institute, which will be final.

Place:

Date:

Signature of the applicant



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