



भारतीय प्रौद्योगिकी संस्थान भिलाई

जिला-दुर्ग, छत्तीसगढ़-491002

Dist.- Durg, Chhattisgarh - 491002

Website: www.iitbhilai.ac.in

Advertisement for the post of Project Associate-I in DST-funded Research Project under National Quantum Mission

Applications are invited from Indian nationals for the position of Project Associate-I 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 off loading in servers*

Principal Investigator: Dr. Dhiman Saha, Associate Prof. CSE, IIT Bhilai, Chhattisgarh, 491002 (dhiman@iitbhilai.ac.in).

Name of the position: Project Associate-I

Number of Positions: One

Essential qualifications:

1. A Bachelor's Degree (B.E./B.Tech.) in CSE/ECE/IT or related specializations from a recognized University/Institute, with a minimum of 60% marks (55% for SC/ST candidates) or an equivalent CGPA.

Desirable:

- Proficiency in programming languages such as C, C++, Python, and Verilog.
- A strong foundation in Cryptography, with expertise in Post-Quantum Cryptography (PQC).
- Hands-on knowledge of High-Level Synthesis (HLS), Fault-Injection Attacks, and Side-Channel Analysis, particularly in Kyber-KEM.
- Ability to conduct research, develop hardware/software solutions, analyze cryptographic systems, and work effectively in a collaborative research environment while meeting project deadlines.

Age limit: 35 years

Salary: Rs. 30,000/- (Rupees Thirty thousand only) plus 18% HRA per month.



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Duration: The initial appointment will be for 12 months and is extendable based on performance until the project's completion.

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. 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@iitbhillai.ac.in), by 12/08/2026 Till 05:00 PM

Date of Interview: 17/08/2026 (Tentative)

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

Time: 11:00 AM

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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