



**PUBLICATION OF VACANT POSITION**  
**(Project-Based)**

<b>POSITION</b>	Project Technical Specialist I (Quantum Information Researcher)
<b>SALARY GRADE</b>	16
<b>NO. OF POSITIONS AVAILABLE</b>	1
<b>LOCATION</b>	DOST ASTI Building, UP Technology Park Complex, C.P. Garcia Ave. Diliman, Quezon City
<b>JOB QUALIFICATION</b>	
Education	Bachelor's/College Degree in Physics, Mathematics, Computer Science, or any related fields
Experience	At least one (1) year related experience
Training	At least four (4) hours relevant training
Eligibility	None Required
Other Requirements	<ul style="list-style-type: none"> <li>• Foundational knowledge in numerical simulations and scientific computing</li> <li>• Foundational knowledge in programming languages such as Python and scientific libraries such as NumPy and SciPy</li> <li>• Strong communication skills with the ability to articulate technical concepts clearly.</li> <li>• A collaborative team player who is adaptable, self-motivated, and eager to learn.</li> <li>• Able to work independently and manage tasks with minimal supervision.</li> <li>• Willing to work onsite and report to Quezon City as required.</li> </ul>

**RESPONSIBILITIES:**

- Perform analysis of the mathematical foundations of quantum computing models to ensure logical consistency;
- Develop and evaluate quantum algorithms and computational frameworks;
- Study and evaluate existing quantum algorithms to identify potential improvements or limitations;
- Design and test quantum circuit algorithms using quantum programming frameworks (e.g., Qiskit, Cirq, PennyLane);
- Design and implement models to study quantum systems and applications;
- Perform quantum simulations on high-performance computing infrastructures to benchmark performance and scalability;
- Maintain detailed documentation of simulation methodologies, results, and computational models;
- Publish research papers in scientific journals and present findings in conferences and seminars;
- Collaborate with researchers to translate mathematical models into practical quantum simulations;



- Stay updated with global advancements in quantum information science, and other emerging quantum technologies; and,
- Provide assistance and support in the conduct of research and development activities, including but not limited to exploring new systems, enhancing existing processes, and contributing to the implementation and documentation of R&D outputs (if applicable).

#### **APPLICATION:**

1. Accomplish the Application Form through this link: [DOST-ASTI Application Form \(QIR Project\) – Fill out form](#)
2. Interested applicants should submit a letter of intent addressed to Ms. JOANNA G. SYJUCO, Computer Software Division, Division Chief at [joan@asti.dost.gov.ph](mailto:joan@asti.dost.gov.ph), cc: [careers@asti.dost.gov.ph](mailto:careers@asti.dost.gov.ph), [rossromuel.mariano@asti.dost.gov.ph](mailto:rossromuel.mariano@asti.dost.gov.ph), [vanesa@asti.dost.gov.ph](mailto:vanesa@asti.dost.gov.ph) along with the following with subject line: *DOST-ASTI: Job Application – Project Technical Assistant IV – Last Name, First Name, Middle Initial*:
  - Updated CV and Personal Data Sheet;
  - Diploma and TOR;
  - Certificate/s of employment; and
  - Training certificate/s.

#### **IMPORTANT NOTES:**

- Only applications with complete requirements including an accomplished **Application Form (link cited above)** shall be processed.
- Application documents should be in Portable Document Format (.pdf) with proper file name.
- Applicants who are interested in applying to various vacancies must submit separate applications for each vacant position.
- Due to the volume of applications received by this Agency, we will be inviting only those who are shortlisted to proceed with the recruitment process.

As an advocate of the Equal Employment Opportunity Principle (EEOP), the DOST-Advanced Science and Technology Institute encourages and welcomes all applicants regardless of age, religion, or political affiliation including persons with a disability, members of indigenous communities, and those from any sexual orientation and gender identities.

**DOST-ASTI Privacy Notice:** All personal information contained in any document received or transmitted herein shall be used solely for documentation and processing purposes within the DOST-ASTI and shall not be shared with any outside parties, unless with your written consent. We are committed to protect personal data in accordance with R.A. 1073 (Data Privacy Act of 2012). All personal information shall be retained and stored by the DOST-ASTI within a time period in accordance with the National Archives of the Philippines' General Disposition Schedule.