



Republic of the Philippines

**DEPARTMENT OF SCIENCE AND TECHNOLOGY**  
**ADVANCED SCIENCE AND TECHNOLOGY INSTITUTE**

OneDOST4U: Solutions and Opportunities for All



**PUBLICATION OF VACANT POSITION (Contract of Service)**

- POSITION** : GIP (AqWaNeTIO Project)
- NO. OF POSITIONS AVAILABLE** : 2
- REQUIRED HOURS** : 528Hrs / 3 Months
- PREFERRED SKILLS/COMPETENCIES** :
- Experience with Python, C/C++, Java, or Node.js for simple coding tasks, debugging, and contributing to IoT-related applications.
  - Familiarity with REST APIs, MQTT, or WebSockets to support data exchange between devices and servers.
  - Ability to work with the team to ensure IoT data is displayed clearly on web or mobile dashboards.
  - Basic experience with microcontrollers or boards such as Arduino, Raspberry Pi, or ESP32 for prototyping.
  - Ability to connect, configure, and test common sensors and actuators.
  - Willingness to support simple firmware uploads or OTA updates.
  - Basic knowledge of routing device data to cloud platforms (AWS, Azure, GCP) and working with databases (SQL or NoSQL).
  - Able to create simple technical documents, diagrams, or notes for hardware and software workflows.
  - Interest in exploring new IoT technologies, microcontrollers, and industry trends.

**RESPONSIBILITIES/ DURTIES:**

- Assist with basic hardware setup, simple coding tasks, and device testing. He/She should document their work clearly, follow instructions, and show willingness to learn IoT tools, sensors, and microcontroller systems. His/her outputs mainly include prototype support, test results, and brief technical reports.

**EXPECTED OUTPUT:**

- Basic Documentation & Reporting
- Hardware Assistance Tasks
- Software & Firmware Contributions
- Testing & Validation
- IoT System Setup
- Research & Learning Outputs
- Team Collaboration

**APPLICATION:**

Kindly send the following documents to: [aqwanet@asti.dost.gov.ph](mailto:aqwanet@asti.dost.gov.ph), and cc: [careers@asti.dost.gov.ph](mailto:careers@asti.dost.gov.ph)

1. Updated resume
2. Scanned copy of PSA Birth Certificate
3. Proof of highest educational attainment (TOR, Form 137/ 138, Diploma, or Certificate of Graduation); and
4. Accomplished [ASTI GIP Application Form](#)



Email Subject Format: **ASTI\_GIP - (FULL NAME)**

**Note:**

- Previous GIP beneficiaries of ASTI shall **not** be considered.
- **Applications with incomplete** documents shall **not** be included in the list of qualified applicants.
- **Late submissions** shall not be accepted and entertained.
- Only documents received **on or before the deadline** shall be used as basis for evaluation.

**APPLICATION DEADLINE:** March 31, 2026

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