



PUBLICATION OF VACANT POSITION (Contract of Service)

POSITION	: Project Technical Specialist I (Product Design Engineer)
SALARY GRADE	: SG 16
NO. OF POSITIONS AVAILABLE	: 1
LOCATION	: Computer Software Division
JOB QUALIFICATION	: N/A
Education	: Bachelor's/College Degree in Mechanical Engineering, and any other related courses
Experience	: At least 1 (one) year relevant experience
Training	: Four (4) hours of relevant training
Eligibility	: None Required
Other Requirements	<ul style="list-style-type: none">• Knowledgeable in using CAD software (e.g. SketchUp, AutoCAD, etc.)• In-dept knowledge of industry and mechanical design principles and design for manufacturing principles• Experience with prototyping and iterative hardware design• Familiarity with motion systems (e.g., linear rails, stepper motors, gear assemblies)• Familiarity with electronics integration (e.g., Arduino, Raspberry Pi, Jetson, sensor integration)• Hands-on experience assembling and troubleshooting mechanical systems• Familiarity with the government's procurement process is an advantage• Must be able to work well with a team, and to communicate well with the group,• Must be adaptable to circumstances, self-motivated, teachable and fast learner• Can work with minimal supervision• Must be willing to work in Quezon City

RESPONSIBILITIES:

Under general supervision and direction, HE/SHE shall perform the following:

- Design and implement a 3D scanning rig suitable for museum setting
- Understand optical setups and camera positioning (for multi-view scanning)
- Develop multiple industrial designs for the system's hardware appliance based on the current appliance prototype and system requirements and implement the top selected designs for prototyping
- Define the hardware appliance's properties such as dimensions, weight limits, materials, and physical integration of components based on the developed industrial designs.
- Develop a plan that meets the appliance's latest version of the system requirements.
- Provide support in technical oversight and guidance during the assembly and testing phases of the rig, ensuring mechanical reliability and adherence to design specifications
- Collaborate with computer vision experts for rig calibration and optimization
- Coordinate with the project manager and supervising engineer in defining the items that need to be procured for the design and implementation of the developed industrial design for the appliance
- Coordinate with the supplier regarding all the requirements for the fabrication of prototypes of the system's hardware appliance
- Adhere to established contributing protocols in the project when submitting implementations to the project's source code repository
- Deploy the developed hardware appliance units into target partner beneficiaries for field testing and validation
- Participate in events and other activities (e.g., exhibits, meetings, trainings, and seminars) of the project

- Perform other tasks relevant to the role as may be assigned from time to time
- Submit daily status reports as required by the supervising officer
- Report to work on time
- Always comply to office policies

APPLICATION:

Interested candidates are required to submit a detailed CV, a cover letter expressing interest and fit for the role, and copies of relevant publications or research papers. Applications should be directed to rox@asti.dost.gov.ph, aunheljohn.adoptante@asti.dost.gov.ph, daphne.padilla@asti.dost.gov.ph, cc careers@asti.dost.gov.ph by **25 June 2025** along with the following:

APPLICATION FORM: <https://forms.office.com/r/kKtrkL5JQ3>

1. Updated Personal Data Sheet;
2. Updated Curriculum Vitae;
3. Diploma and TOR;
4. Certificate/s of employment; and
5. Training certificate/s.

APPLICATION DEADLINE: 25 June 2025

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