Republic of the Philippines
Office of the President
Philippine Space Agency

BAGONG PILIPINAS

Project Technical Specialist I

Status: Contract of Service
Monthly Salary: Php 47,606.40 (*inclusive of 20% premium*)
Item Code: COS-PTS1-135
Division: Spacecraft Payload and Communications Systems Development Division

Required Qualification:

Education:	Bachelor's degree in engineering and sciences such as in Aerospace Engineering, Electronics Engineering, Electrical Engineering, Physics, or other allied fields.
Experience:	1 year of experience in designing, developing, and testing Electronics/Embedded systems; and circuit design and analysis software
Training:	None required
Eligibility:	None required

Duties and Responsibilities:

1) Study references and documentation from previous projects regarding airborne hyperspectral payload and other optoelectronics subsystem designs;
2) Provide inputs on the local design, development and implementation of an optoelectronics subsystem;
3) Create a subsystem block diagram, schematic circuit and PCB layout design for the optoelectronics subsystem board using Eagle or another suitable software;
4) Generate PCB fabrication files, bill-of-materials (BOM) and technical specifications document for the optoelectronics subsystem board components;
5) Perform programming tasks, functionality testing and verification of fabricated boards based on subsystem requirements;
6) Prepare technical specifications for the procurement of hardware/electronic components needed for payload development;
7) Work closely with the Project Leader, Technical Lead, and Subsystems Lead regarding the plans, requirements, concerns, problems, and other project-related matters.
8) Provide regular reports or updates on the progress of the assigned tasks.
9) Submit pertinent documentation/s on the accomplished tasks at the end of the contract;
10) Must agree that all information shared to him/her is confidential and cannot be used for any other purpose, except those that are publicly available;
11) Perform other duties of a regular or special nature as may be assigned from time to time.

Applicants who have all or any of the following background are encouraged to apply:

Experience/ Training Background:
- Designing, developing, and testing Electronics/Embedded systems
- Circuit design and analysis software
- Signal conditioning, analog-to-digital converters (ADC), and digital-to-analog converters (DAC).
- Experience or involvement in the design of PCBs, image sensor interfaces, and power management circuits
- Implementing image processing algorithms on FPGAs or DSPs for real-time processing in the hardware
- Satellite engineering or project experience/training is a plus

Office Address: 29th Floor, Cyber One Building, 11 Eastwood Ave. Bagumbayan Quezon City	Website: philsa.gov.ph
Telephone No: (+632) 856 899 31	Facebook: Philippine Space Agency
Email: odg@philsa.gov.ph	Twitter: @PhilSpaceAgency
	Instagram: @philspaceagency
	LinkedIn: Philippine Space Agency

Competencies:
- Proactive and take prompt action to accomplish tasks and meet goals and objectives in a timely manner.
- Thorough, pays close attention to detail, and strives to achieve accuracy and consistency in all tasks.
- Develops and maintains positive work relationships with others.
- Willingness to learn and acquire diverse skills over different fields.
- Proficient in any of Embedded C, Matlab or ECAD Design and Layout Software.
- Skills in debugging hardware issues, including the use of testing equipment.
- Familiarity or proficiency in a mechanical CAD software is a plus.

You may Scan this QR Code or Access the link below to build your PhilSA Application Profile

https://bit.ly/3uNtGc9