



Supervising Science Research Specialist

Salary Grade: 22

Item Number: PHILSAB-SVSRS-3-2023

Division: Spacecraft Mechanical and Autonomous Systems Development Division

Minimum Qualification Standards:

Education: Bachelor's degree relevant to the job

Experience: 3 years of relevant experience

Training: 16 hours of relevant training

Eligibility: Career Service (Professional) / Second Level Eligibility

Duties and Responsibilities:

- 1) Under direction, supervise the programs and activities on the spacecraft's autonomous system (*such as attitude and orbit control system, robotic system, space environment modeling and simulation, and guidance, navigation, and control system*);
- 2) Support the Division Chief in formulating the technical and administrative plans and targets of the Division, especially in terms of the spacecraft's autonomous system;
- 3) Review the design of the spacecraft's autonomous system, and provide recommendations accordingly;
- 4) Assess and validate the spacecraft's autonomous system for its readiness for assembly, integration and testing as well as for flight mission and operation, likewise initiate technical publications and patent applications whenever applicable;
- 5) Assess and validate the spacecraft's autonomous system for its technology and/or flight readiness, likewise initiate technical publications and patent applications whenever applicable;
- 6) Integrate activities to accomplish desired results through effective planning, direction, coordination, and control;
- 7) Report to the Division Chief the accomplishments and progress on the spacecraft's autonomous system;
- 8) Develop and/or contribute to divisional policies and internal directives;
- 9) Participate in scientific conferences, seminars, and discussions for scientific advancement;
- 10) As may be assigned, perform the duties and responsibilities of the Division Chief in their absence; and
- 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:

Educational Background:

- Bachelor's or Master's degree in Mechanical or Electronics engineering

Experience Background:

- At least 3 years of relevant experience (preferably in the field of satellite development and/or autonomous systems development);
- Experience in Python, MATLAB, or other similar computational tools;

Training Background:

- Relevant training in physical property and performance evaluation processes

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

Competencies:

- Proactive and willing to take the lead 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.
- Manages time effectively, prioritizes tasks, and handles complex projects efficiently.
- Exercises engineering creativity, resourcefulness, and practicality in approaching tasks.
- Receptive in being mentored by more senior personnel and capable of mentoring junior colleagues in spacecraft systems development.
- Must be willing to be deployed to remote locations as required by assigned projects.
- Enthusiastic towards the advancement of space technology in the Philippines.



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