



JD FORM 2 - JOB DESCRIPTION

SECTION A – POSITION DETAILS

ORGANIZATION/INSTITUTION/OFFICE: SOLOMON ISLANDS NATIONAL UNIVERSITY

FACULTY/DEPARTMENT: FACULTY OF SCIENCE AND TECHNOLOGY (FST)

DUTY STATION: HONIARA

POSITION NUMBER (HRMIS): UNIVERSITY VACANCY REF: HR 81/2025

POSITION TITLE: ASSISTANT PROFESSOR IN GEOSPATIAL SCIENCE (ACIAR-FUNDED POSITION)

POSITION LEVEL: BAND 6.1 **ANNUAL SALARY RANGE:** \$234,681.49-\$286,459.42

THIS POSITION REPORTS TO: DEAN, FACULTY OF SCIENCE AND TECHNOLOGY

THIS POSITION SUPERVISES: STAFF INVOLVED IN THE DEVELOPMENT AND DELIVERY OF THE BACHELOR IN GEOSPATIAL SCIENCE PROGRAM

EMPLOYMENT TYPE: THIS POSITION IS OFFERED ON A FIXED-TERM CONTRACT OF FIVE (5) YEARS, SUBJECT TO PERFORMANCE REVIEW AND RENEWAL IN ACCORDANCE WITH UNIVERSITY POLICIES.

SECTION B-LIAISONS

INTERNAL: Vice Chancellor, Pro Vice Chancellor (Academic), Deans, Heads of Department, Faculty Research Committee, Technical and Administrative Staff, and Students.

EXTERNAL: Australian Centre for International Agricultural Research (ACIAR), Ministry of Lands, Housing and Survey, Ministry of Environment, Climate Change, Disaster Management and Meteorology (MECDM), NGOs, donor agencies, regional universities, and community partners.

SECTION C - SCOPE OF DUTIES

The Assistant Professor in Geospatial Science will lead and advance geospatial science teaching, research, and capacity-building at SINU. The position will play a key role in implementing the ACIAR-funded project “Plannim Fiuja for Yumi – Co-planning Risk-informed and Equitable Livelihood Futures with Small-scale Fishing Communities” (FIS/2023/122) and establishing a new Bachelor of Geospatial Science program.

The role includes curriculum design, research leadership, stakeholder engagement, and national geospatial development support aligned with SINU’s strategic goals and the Solomon Islands’ sustainable development priorities.

SECTION D- KEY DUTIES AND RESPONSIBILITIES

1. Geospatial Research

- Provide technical and local research support to the ACIAR-funded project throughout its duration.
- Develop and implement a research agenda addressing local and regional development challenges using geospatial approaches.
- Lead and collaborate on multidisciplinary research with academic, government, and development partners.
- Seek external research funding and publish in peer-reviewed journals and institutional reports.

2. Program Design and Development

- Lead the design, curriculum development, and accreditation process for the Bachelor of Geospatial Science program.
- Develop course syllabi, teaching materials, and assessment tools aligned with international standards and Pacific contexts.
- Integrate emerging geospatial technologies, open-source software, and local case studies into program delivery.

3. Teaching and Learning

- Deliver undergraduate courses in GIS, Remote Sensing, Cartography, Spatial Data Analysis, and related subjects.
- Supervise student projects and theses, providing academic mentorship and research guidance.
- Incorporate fieldwork, laboratory practice, and community-based projects into learning activities.

4. Capacity Building

- Conduct training workshops for SINU staff and students on geospatial tools and applications.
- Mentor junior faculty and technical staff in teaching and research skills.
- Contribute to strengthening laboratory, ICT, and data infrastructure for geospatial learning and research.

5. Support for National Geospatial Initiatives

- Collaborate with government ministries and regional partners in geospatial data management, mapping, and analysis.
- Provide expert input to national land-use planning, disaster risk management, and environmental monitoring initiatives.
- Represent SINU in national and regional geospatial forums and technical working groups.

6. Stakeholder Engagement and Outreach

- Build partnerships with international universities, research institutes, and donor agencies.
- Promote SINU as a national hub for geospatial research, consultancy, and professional training.
- Organise community engagement programs, workshops, and public seminars to enhance geospatial awareness.

SECTION E - KEY DELIVERABLES

The incumbent of this position will have their performance assessed according to the following key deliverables:

1. **Program Establishment:** Successful design, accreditation, and launch of the Bachelor of Geospatial Science program.
2. **Research Output:** Delivery of high-quality research aligned with the ACIAR project and SINU's research priorities.
3. **Teaching Excellence:** Effective delivery of geospatial science courses and student supervision.
4. **Capacity Building:** Strengthened geospatial capabilities among staff and students.
5. **External Engagement:** Productive collaborations with national and regional stakeholders in geospatial science.

SECTION F – QUALIFICATIONS AND CAPABILITIES

Minimum Qualifications

- PhD in Geospatial Science, GIS, Remote Sensing, or a closely related field from a recognised university.
- Demonstrated record of curriculum development and tertiary-level teaching.

2. Experience

- Proven research achievements with publications in reputable journals.
- Proficiency in GIS and remote sensing software (e.g., ArcGIS, QGIS, ENVI, ERDAS).
- Experience in multidisciplinary collaboration and stakeholder engagement.

3. Desirable Attributes

- Experience working in Small Island Developing States (SIDS) or Pacific Island contexts.
- Knowledge of indigenous land-use and resource management systems.
- Understanding of geospatial data policy, infrastructure, and standards relevant to development planning.

4. Capabilities

- Strong interpersonal, leadership, and communication skills.
- Commitment to participatory education and sustainable development.
- Ability to work independently and collaboratively in a multicultural environment. □
Dedication to advancing institutional and national geospatial capacity.

SECTION G- KEY SELECTION CRITERIA

Suitability for this position will be assessed against the following key selection criteria:

KSC 1: Possess a PhD in Geospatial Science, GIS, Remote Sensing, or related discipline.

KSC 2: Demonstrated expertise and experience in geospatial research, teaching, and curriculum design.

KSC 3: Proven record of scholarly publications and success in securing research funding.

KSC 4: Capacity to lead the development of a new academic program and integrate technology-based teaching methods.

KSC 5: Demonstrated ability to collaborate with government, NGOs, and regional partners in geospatial initiatives.

KSC 6: Strong leadership, communication, and mentoring skills, with a commitment to institutional capacity building.

SECTION H - TERMS AND CONDITIONS

Fortnightly Salary:	\$9,026.21- \$11 017.67
Annual Salary:	\$234,681.49-\$286,459.42
Annual Leave Entitlement:	20 Working Days
Annual Gratuity:	15% of Annual Basic Salary
Housing:	As per Contract/SINU Housing Schemes
Other Terms and Conditions of Service relevant to this position:	As per Contract and HR Policy

SECTION H - APPROVAL (*Business use only*)

This Job Description is approved on the basis that I believe it accurately reflects the requirements of the position and will assist the SINU to achieve its Strategic objectives:

Director Human Resource:



Date Approved: 11/11/25

Additional Comments: *This position strengthens SINU's geospatial education and research capacity, supports the ACIAR partnership, and advances national development priorities. The Job Description will be periodically reviewed to ensure it remains current and aligned with institutional goals.*