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## POSITION DESCRIPTION

# Research Fellow

Position Level

B

Faculty/Division

UNSW Canberra (ADFA)

Position Number

00192957

Original document creation

15/03/ 2024

### Position Summary

A Research Fellow (Level B) is located within the UNSW School of Business. This role arises from a research project with Pacific Biofuels for the Data driven modelling for quantifying the impact of social programs in PNG. Under the direction of the project's UNSW lead, the Research Fellow will be involved in conducting the technical tasks of the project.

The role of Research Fellow reports to Associate Professor Omar Hussain and has no direct reports.

### Accountabilities

Specific accountabilities for this role include:

- Survey development: Design surveys for three stages which are baseline, first monitoring and second monitoring. Piloting the survey to refine its effectiveness based on feedback. Ensuring that the survey is administered as per approved ethics protocols and the methodology aligns with the project's goals for accurate data collection.
- Econometrics modelling: Select and employ quantitative methods and econometrics modelling techniques to analyse survey data and measure the impact of the intervention. Conduct thorough validation of the models to ensure their precision and reliability, adjusting them as required. Utilize the refined models to derive economic insights and support evidence-based decision-making.

- Impact assessment: Conduct a detailed analysis of the results from econometric modelling to assess the socio-economic impact of the intervention using data from the control and experimental groups. Use statistical methods to compare outcomes, identifying significant differences and draw insights for future interventions.
- Blockchain development and encoding for Data Integrity: Classify subjective information from the Survey; utilize blockchain technology to encode the information collected; and, secure survey data across baseline, first monitoring, and second monitoring stages. This ensures the immutability and transparency of data including the subjective information, enhancing the integrity of the project from data collection to data storage.
- Cross-functional Collaboration: Work closely with project teams, communicating data findings and ensuring alignment with project goals.
- Contribute to the development of applications for competitive funding under the guidance of senior colleagues.
- Participate as co-investigator or chief investigator in competitive grant applications, or show evidence of active participation in research collaborations funded by competitive grants.
- Mentor and guide students and colleagues and develop the next generation of academics through involvement in supervision of HDRs (as per the norms of the discipline).
- Align with and actively demonstrate the [UNSW Values in Action: Our Behaviours](#) and the [UNSW Code of Conduct](#).
- Cooperate with all health and safety policies and procedures of the university and take all reasonable care to ensure that your actions or omissions do not impact on the health and safety of yourself or others.

## **Skills and Experience**

- A PhD in Data Analytics or similar discipline in addition to demonstrated strong performance in quantitative survey analysis, econometrics modelling and blockchain development.
- Demonstrated ability to undertake high quality academic research and conduct independent research.
- High level communication skills and ability to network effectively and interact with the industry partner of the project along with a diverse range of students and staff.
- Demonstrated ability to work in a team, collaborate across disciplines and build effective relationships.
- Evidence of highly developed interpersonal and organisational skills.
- An understanding of and commitment to UNSW's aims, objectives and values in action, together with relevant policies and guidelines.
- Knowledge of health and safety responsibilities and commitment to attending relevant health and safety training.

### **Pre-employment checks required for this position**

- Verification of qualifications
- Criminal History Check
- Identification Check
- Australian Work Rights Check

#### **About this document**

This Position Description outlines the objectives, desired outcomes, key responsibilities, accountabilities, required skills, experience and desired behaviours required to successfully perform the role.

This template is not intended to limit the scope or accountabilities of the position. Characteristics of the position may be altered in accordance with the changing requirements of the role.