| | Australian National University | **Position Description** |

College/Division:	College of Engineering and Computer Science (CECS)
Faculty/School/Centre:	School of Computing
Department/Unit:	
Position Title:	Research Fellow
Classification:	B
Position No:	
Responsible to:	Assoc Prof Hanna Kurniawati
Number of positions that report to this role:	
Delegation(s) Assigned:	

PURPOSE STATEMENT:

The main purpose of this appointment is to:

- Contribute to the objectives of an ARC Linkage Project with Safran on Integrated Planning for Uncertainty-Centric Pilot Assistance Systems; and

- Strengthen the School of Computing research excellence in Artificial Intelligence; and

- Support the development of partnerships with industry and engage with the wider research community

KEY ACCOUNTABILITY AREAS:

Position Dimension & Relationships:

The academic will be a member of the School of Computing within the Intelligence cluster, accountable to the Project Lead, Assoc Prof Hanna Kurniawati, the project's Chief and Partner Investigators (Prof Sylvie Thiébaux, Dr Felipe Trevizan, Prof Tamás Gedeon, Drs Surabhi Gupta and Christophe Guettier), the Activity Cluster Lead, and the School Director. The academic will be responsible for relationships with industry, government and other academic and professional staff across the University.

As a research-focus academic, first and foremost, the role involves innovative and distinctive research. In addition, the role also involves outward-facing engagement and a commitment to organizational culture. The role may also involve educational activities and outreach. The staff member is expected to contribute cooperatively to the overall intellectual life of the School, College and University.

Role Statement:

Specific duties required of a **Level B Academic** may include:

1. Undertake research in the area of mission and motion planning under uncertainty, independently and as part of a team, *with a view of developing robust Pilot Assistance Systems* in collaboration with Safran, publishing original and innovative results, presenting the research at academic seminars in national and international venues.

2. Contribute, at a substantially reduced intensity relative to a standard faculty appointment, to the educational activities of the Activity Cluster and School. This includes, but is not limited to, the preparation and delivery of lectures, tutorials, short courses and workshops; the preparation and delivery of professional and executive education courses; the preparation of online material; marking and assessment; and consultations with students.

3. Supervise students working on individual or group projects at undergraduate, honours, graduate-coursework levels.

4. Assist with the supervision of Higher Degree Research students.

5. Take an active role in seeking and generating resources to support the development of deep and transformational expertise in fields relevant to the Activity Cluster, School and College. Achieve impact through engagement with a range of stakeholders and / or funding bodies and also through the preparation of research proposals.

6. Provide support to the engagement and impact activities of the School, with the aim to engage and activate a stakeholder community in academia / industry / start-ups / government / broader community, including communicating or publishing original, innovative and multi-disciplinary results in international refereed journals, academic seminars, national and international conferences, or appropriate fora for the field, and collaborate with other researchers at an international level. Also, assisting in outreach activities including to prospective students, research institutes, industry, government, the media and the general public.

7. Maintain high academic standards and collegiality in all education, research, impact, engagement and administration endeavours of the School, College, and University.

8. Contribute broadly to all aspects of the operation of the School, College and University.

9. Take responsibility for workplace health and safety and not wilfully place at risk the health and safety of another person in the workplace.

10. Other duties as required consistent with the classification level of the position.

SELECTION CRITERIA:

The breadth and depth of this role are illustrated in the following selection criteria.

Academic Level B:

1. A PhD or close to completing a PhD in Computer Science, Robotics, Artificial Intelligence, Aerospace Engineering or allied discipline relevant to the project, with a track record on research in one or more of the following fields: Motion planning under uncertainty, mission planning under uncertainty, integrated task and motion planning, Partially Observable Markov Decision Processes, and robotics, as evidenced by high quality publications in peer-reviewed conferences and/or journals.

2. Excellent communication skills, including the ability to articulate innovative research to a wide-variety of stakeholders, communication in cross-disciplinary areas and to foster respectful and productive working relationships with staff, students and colleagues at all levels.

3. Evidence of effective collaboration, team-based projects and interdisciplinary activities and interests. In particular, evidence of ability and experience in effectively participating and supporting industry-academia engagement, collaboration and partnerships.

4. A demonstrated alignment with the School's culture and work environment including a commitment to enhancing diversity and inclusion, characterised by an orientation to collaborative research; team-based projects; interdisciplinary activities and interests; strategic decision making; commitment to the success of peers and the team; and an ability to contribute to the strategic priorities and activities of the School and College.

5. An ability and commitment to win bids for competitive external funding to support individual and collaborative research, education and engagement activities with the Activity Cluster and School.

6. A demonstrated high-level understanding of equal opportunity principles and a commitment to the application of these policies in a University context

The ANU conducts background checks on potential employees, and employment in this position is conditional on satisfactory results in accordance with the Background Checking Procedure which sets out the types of checks required by each type of position.

| Printed Name: | Hanna Kurniawati | Uni ID: | |

References:

General Staff Classification Descriptors

Academic Minimum Standards