

PROFESSOR OF ARTIFICIAL INTELLIGENCE

DEPARTMENT/UNIT	Data Science and Artificial Intelligence (DSAI)
FACULTY/DIVISION	Faculty of Information Technology
CLASSIFICATION	Level E
DESIGNATED CAMPUS OR LOCATION	Clayton campus

ORGANISATIONAL CONTEXT

At [Monash](#), work feels different. There's a sense of belonging, from contributing to something groundbreaking – a place where great things happen. You know you're part of something special and purposeful because, like Monash, your ambitions drive you to make change.

We have a clear purpose to deliver ground-breaking intensive research; a world-class education; a global ecosystem of enterprise – and we activate these to address some of the [challenges](#) of the age, Climate Change, Thriving Communities and Geopolitical Security.

We welcome and value difference and [diversity](#). When you come to work, you can be yourself, be a change-maker and develop your career in exciting ways with curious, energetic, inspiring and committed people and teams driven to make an impact – just like you.

Together with our [commitment to academic freedom](#), you will have access to quality research facilities, infrastructure, world class teaching spaces, and international collaboration opportunities.

We champion an [inclusive workplace culture](#) for our staff regardless of ethnicity or cultural background. We have also worked to improve [gender equality](#) for more than 30 years. Join the pursuit of our purpose to build a better future for ourselves and our communities – [#ChangeIt](#) with us.

The Faculty of Information Technology aims to lead global IT research and education. Our strong reputation and international profile attract the best students worldwide and we offer a range of accredited courses that transform our graduates into highly skilled and sought after IT professionals, equipped to work globally. Our research is multidisciplinary, multi-campus and multi-national, giving us a unique capacity to reach out further and deeper than any other institution in Australia. The

Faculty conducts research in all areas of Information Technology with a focus on the research themes IT for Sustainability, Digital Health, and Human-Centric AI. Our research priorities are technically ambitious and impactful in the real world.

The Faculty hosts three departments: Data Science & Artificial Intelligence, Human Centric Computing, and Software Systems and Cybersecurity. We have an unsurpassed breadth and depth of expertise across the range of areas that underpin the fast-developing fields of data science and artificial intelligence. Our Department of Data Science and Artificial Intelligence (DSAI) <https://www.monash.edu/it/dsai> has more than 50 permanent academic staff backed by a large cohort of project-based researchers and postgraduate students. It includes world-class machine learning, optimisation, vision and language and computational and collective intelligence groups. We are at the vanguard of research into the technologies that underpin the data and AI revolution. We're unlocking the potential of large data sets across a wide range of applications. Our work is facilitating better health outcomes for elderly members of the community and helping businesses make more informed decisions for the future. Our cross-disciplinary approach to problem-solving means we work collaboratively with some of the world's leading data scientists, AI researchers and external partners, ensuring we have the capabilities to deliver answers. The position is located with the Department of Data Science and Artificial Intelligence.

To learn more about the Faculty and the exciting work we do, please visit <https://www.monash.edu/it>.

Monash and the Faculty of Information Technology values staff diversity and champions inclusive practices. We are committed to equitable decision making and apply the principles of achievement relative to opportunity in our selection processes.

POSITION PURPOSE

A Level E academic is expected to exercise a special responsibility in providing leadership and in fostering excellence in research, teaching, professional activities and policy development in the academic discipline within the department or other comparable organisational unit, within the University and within the community, both scholarly and general.

This role is pivotal in shaping the future of AI education and research at our institution. The Professor is expected to lead cutting-edge research and education in the AI field with a preference in the areas of reinforcement learning, autonomous agents and/or Generative AI.

Reporting Line: The position reports to Head of Department

Supervisory Responsibilities: This position provides direct supervision to 2-4 staff

Financial Delegation Not applicable

Budgetary Responsibilities: Not applicable

KEY RESPONSIBILITIES

Specific duties required of a Level E academic may include:

1. Actively engage in a specialist research area in line with the Faculty's research strategy, by maintaining a substantial active publications record (high-quality refereed journals) and supervising and mentoring early career researchers and research students
2. Contribute significantly to the advancement of AI field and able to lead high-quality research program across a large team of researchers and stakeholders.
3. Provide strong and committed leadership in teaching, curriculum development and research training by participating in the Faculty's curriculum planning and development processes, academic committees, and relevant examination processes in addition to monitoring the quality of individual teaching in the relevant discipline

4. Prepare and deliver lectures, tutorials, practical classes, demonstrations and workshops.
5. Coordinate courses, including offering guidance to assistant lecturers and supervision of sessional staff in teaching unit/s if required.
6. Provide innovative and effective leadership for the expansion of the Faculty's HDR program by attracting high quality HDR students
7. Contribute to academic and administrative leadership within the Faculty by participating in the development of policy and strategy
8. Maintain and broaden collaborative partnerships with relevant faculties and departments/schools within the University and community
9. Maintain and broaden collaborative partnerships with external agencies both nationally and internationally, making a significant contribution to the profession
10. Actively contribute to partnering with industry and diversifying funding avenues
11. Other duties such as education and leadership services as directed from time to time

KEY SELECTION CRITERIA

Education/Qualifications

1. The appointee will have:
 - A doctoral qualification; or
 - equivalent accreditation and standing, and recognised as a leading authority in the relevant discipline.

Knowledge and Skills

2. Evidence of outstanding scholarly activity of an international standard in AI, machine learning with a preference in reinforcement learning and/or generative AI and a demonstrated ongoing commitment to one or more programs of research
3. Demonstrated ability to generate research income, including from both traditional and more innovative sources of research funding
4. Record of successful supervision of postgraduate research students and the ability to make a significant contribution to postgraduate training programs in AI and related subfields such as Reinforcement Learning, Machine Learning, LLMs, NLP or computer vision.
Proven excellence in teaching
5. Willingness and capacity to make a substantial contribution to all activities of the department, including administration and planning
6. Proven professional leadership qualities and capacity for executive administrative responsibilities
7. Evidence of sustained relationships with world-class research communities, industry, business and professional bodies coupled with vision for the future needs and development of Artificial Intelligence within Australia and internationally
8. Proven ability to promote the discipline internally within the university as well as externally both nationally and internationally

OTHER JOB RELATED INFORMATION

- Travel to other campuses of the University may be required
- There may be a requirement to work additional hours from time to time

- There may be peak periods of work during which taking of leave may be restricted
- A current satisfactory Working With Children Check is required

GOVERNANCE

Monash University expects staff to appropriately balance risk and reward in a manner that is sustainable to its long-term future, contribute to a culture of honesty and integrity, and provide an environment that is safe, secure and inclusive. Ensure you are aware of and adhere to University policies relevant to the duties undertaken and the values of the University. This is a standard which the University sees as the benchmark for all of its activities in Australia and internationally.