

Details

Area	Faculty of Science Engineering and Built Environment
Team	School of Information Technology
Location	Flexible, all campuses
Classification	Level E
Reports to	Head of School

Deakin

Deakin is a Victorian university with a global impact. We are agile and innovative, and committed to making a positive impact through our excellence in education and research and the contributions we make to the wider community.

Our reputation has been built on the dedication and expertise of our staff. We offer a dynamic, diverse and inclusive working environment with opportunities to grow and develop careers. We believe that a progressive, thriving culture will ensure people choose to come, and stay at Deakin and contribute to our ongoing success.

As one of Australia's largest universities, Deakin has strong global linkages, world-class research and an education portfolio that blends the best of campus and digital delivery into a highly supportive and personalised student experience.

We offer outstanding education founded on the experience we create for our learners and guided by graduate outcomes for successful lives and careers. We undertake globally significant discovery research that benefits our communities through the innovative translation of our ideas into new services, products, policies and capabilities.

Deakin campuses sit on Wadawurrung, Wurundjeri, and Eastern Maar Countries, and the University acknowledges, values and deeply respects its connection with the Traditional Custodians and Elders past and present of these lands and waterways. Deakin is the most popular university destination in Victoria for Aboriginal and Torres Strait Islander students and has a rich history of supporting the ambitions of First Nations students, including through the NIKERI Institute (formerly the Institute of Koorie Education).

Deakin aspires to be Australia's most progressive university, with the principles of diversity, equity and inclusion underpinning our approach to education, research, employability, digital delivery, innovation, and partnerships for impact. Our vision is for an inclusive environment where we value and celebrate diversity, embrace difference and nurture a connected, safe and respectful community. We want Deakin to be a place where all staff and students feel included and respected for their unique perspectives and talents.

[Strategic Plans – Deakin 2030: Ideas to Impact](#)

[Benefits of working at Deakin](#)

Overview

The Faculty of Science Engineering and Built Environment is dedicated to being at the forefront of teaching, learning, creating and social development and fostering cutting-edge research and discovery. The School of Information Technology places high emphasis on providing students with an engaging learning experience and research that makes a difference and is solution-led. We work closely with industry partners and the government to ensure our courses remain relevant and responsive and our research findings are put into practice.

The Professor, Artificial Intelligence and Machine Learning will lead teaching teams to develop courses and materials which influence teaching in the Artificial Intelligence and Machine Learning disciplines and are learner-centric, research informed and innovative in curriculum design. The position is expected to lead large scale, highly productive research, scholarship and creative activities in AI/ML generating high impact outputs. The Professor will develop and lead major collaborations that enable novel research or creative activities that are recognised internationally and ensure deep impact of academic activity in the field and community.

Accountabilities

Education and Employability

- Lead teaching teams to develop innovation in curriculum design, courses and materials which influence teaching for the discipline in peer institutions or nationally, or across multiple disciplines. Lead review of units and courses across disciplines.
- Lead and integrate industry, clinical and/or research practices to inform unit / course design across discipline in peer institutions or nationally. Apply leading industry, clinical and/or research practice into student learning experiences and resources.
- Lead the discovery and coordinated integration of innovative teaching practices at university level with recognition at national and deliver learner-centric, research-informed teaching practices across different levels / modes of delivery.
- Enable and work collaboratively with teaching teams and the community across the sector to develop new practices and frameworks to improve student learning outcomes. Design new strategy, policy and/or frameworks which support more accessible and inclusive learning environments influencing peer institutions or nationally.
- Lead the development of effective assessment tasks and rubrics which influence peer institutions or nationally and the moderation of assessment tasks and practices at university level and implements innovative strategies, policy and frameworks to improve learning outcomes. Provide clear assessment criteria and timely feedback to learners to demonstrate learning outcomes.
- Provide academic support to students within units and courses and work collaboratively to improve student support services through new strategy, policy and frameworks.
- Lead the culture of collaboration and educational excellence (incl. periodically monitors and reviews culture). Build effective unit, course and discipline teaching teams and teaching and learning capability related to discipline or pedagogy and support sector-wide professional development programs (nationally and internationally).
- Lead university mentoring programs, including contributing to development of strategy, policy and frameworks.

- Support sector-wide reform in education and provide intellectual leadership beyond their specific fields/areas of teaching scholarship and pedagogical research activity.
- Lead major pedagogy research projects as a chief investigator and be recognised as a leader in teaching scholarship and pedagogical research at international level.
- Complete the Graduate Certificate in Higher Education Learning and Teaching (as appropriate)

Research and Innovation

- Lead teams and succeed in funding opportunities for research and creative activities, including applications for large-scale/strategic external competitive funding, funding for commercialization and translation activities and other funding, demonstrating sustained effort and success.
- Demonstrate a sustained and substantial national and international reputation as world leader, based on extensive body of work, recognized for quality, excellence and impact with a track record of timely delivery of outcomes for industry partners.
- Lead the development of major, large scale, intra- and inter-disciplinary research collaborations, to enable major breakthroughs in knowledge and understanding and solutions to complex problems.
- Lead the development and promotion of the university research collaboration and partnership agenda and priorities and develop major industry partnerships and collaborations to enable major breakthroughs, innovative solutions for future translation into real world impact.
- Lead major large-scale programs of innovation and translation into policies, frameworks, strategy, generation of products, services, new ways of operating, priority setting and or other innovations with positive real-world impact, with national and international recognition. Demonstrate timely and sustained delivery of commercialisation and translation outcomes.
- Recruit and supervise HDR students with timely completion and productive, outcomes and ensure ECR and MCRs have Honours and HDR supervision opportunities particularly as principal supervisors.
- Provide effective mentoring to HDR students, ECRs and MCRs to support professional and career development and employability. Lead university-wide professional development for ECR and MCRs and industry partnerships that provide HDRs, ECRs and MCRs with industry experience
- Communicate outputs to discipline(s), other sectors and the community, including nationally and internationally and ensure deep impact of academic activity in the field and the community.

University Citizenship and Engagement

- Lead the development and significantly contribute to citizenship activities and effectiveness as champion at local and university level. Represent the university at significant academic, professional and civic forums. Lead the development of university's strategic agenda as a discipline leader or leadership role across the University through university or faculty committees. Supervise and significantly contribute to the implementation of the strategic agenda and demonstrate delivery of material outcomes through formal and informal leadership and contributory roles to deliver core outcomes. Lead the development and significantly contribute to the university's community engagement activities and agenda. Demonstrate delivery of material outcomes aligned with Deakin community engagement agenda through formal roles and/or informal initiatives.

Selection

- PhD in a relevant discipline
- Evidence of original, innovative and distinguished contribution to scholarship and teaching, research and research supervision
- Demonstrated success as an eminent authority at the national and international level in research and scholarship through high quality publications, and exhibitions as relevant to the discipline.
- Sustained success in obtaining competitive external research grants.
- Excellence in engagement with research, community, industry and government to enhance the national and international standing of the discipline.
- Demonstrated success and passion for leading teaching, research and administration.
- Demonstrated ability to establish and maintain productive collaborations within discipline and multidisciplinary teams.
- Excellent interpersonal skills with a proven ability to build good working relationships with colleagues and students.
- Evidence of original, innovative and distinguished contribution to research and research supervision
- Knowledge, understanding and appreciation of Aboriginal and Torres Strait Islander cultures and contemporary issues is desirable but not essential.

Capabilities

- **Leads Culture** creates transparent, engaged and inspiring cultures, leads culture change.
- **Develops Talent** develops inclusive, capable and engaged teams to meet organisational needs.
- **Delivers Outcomes** creates clarity through governance, makes decisions that result in quality outcomes.
- **Innovates** creates an environment where creativity and innovation are valued.
- **Shapes Direction** sets an inspiring purpose, vision and direction, develops strategy.
- **Inspires Results** translates strategic priorities into reality, inspires outcomes through others.

Special Requirements

- This position may require the incumbent to travel domestically and/or internationally to attend conferences, events and to represent the university.
- This position requires the incumbent to hold a current Working with children Check

Note The intention of the position description is to provide an outline of scope and responsibilities, at a point in time. Please note, responsibilities may evolve in accordance with organisational needs.