

National Industry PhD Program

Round 6 2025 – Recommended Successful Projects

Application No.	Stream	Project Title	Project Description	Field of Research	Participating University	Industry Partner/s	State
41788	Industry Linked	Applied Indigenous Data Sovereignty: Aboriginal data in Aboriginal hands	This project will build a secure data system for an Aboriginal health program, guided by Indigenous values and leadership. It aims to improve care, support community decisions, and strengthen national health reporting.	Decision Support Systems	Charles Darwin University	Waminda South Coast Women's Health and Wellbeing Aboriginal Corporation	NT
41837	Industry Linked	Intelligent Systems for Automated Classification of Airborne Health Risks	This project will use smart sensors and AI to track airborne allergens like pollen and mould in real time. It aims to improve health alerts and help Australians manage respiratory conditions more effectively.	Environmental Health	Deakin University	AirHealth PTY LTD	VIC
41795	Industry Linked	Enhancing Optical Communications Using Biologically Inspired Signal Processing	This project will boost underwater optical communication by using nature-inspired methods to reduce signal interference and improve clarity. It aims to extend communication range and speed, supporting safer and more efficient underwater operations for industries and vehicles.	Electrical and Electronic Engineering and Technology, n.e.c. ¹	Flinders University	evoSonic	SA
41830	Industry Linked	Artificial intelligence-driven additive manufacturing enables sustainable on-demand composite parts production	This project will use AI to improve 3D printing by designing better parts and reducing waste in manufacturing. It aims to create stronger, lighter products for transport and mining, boosting sustainability and performance across Australian industries.	Manufacturing Engineering	Flinders University	Kraft Motorsports Pty Ltd	SA
41777	Industry Linked	Evaluating a Novel Nanosecond Pulse Laser against the Standard Therapy for Glaucoma Blindness Prevention	This project will test a new laser treatment for glaucoma that may offer better results with fewer side effects than current methods. It aims to improve eye care access, especially in remote areas, and support new health technologies.	Public Health, n.e.c.	Flinders University	NovaEye Medical	SA
41774	Industry Linked	Evaluation of a point of care test for bowel	This project will develop a quick test to detect bowel cancer risk, making screening easier and more accessible. It aims to save lives by increasing early detection and reducing pressure on hospitals.	Internal Medicine	Flinders University	Howard Chandler Health First Systems	SA

1. 'Field of Research' refers to the Australian Standard Classification of Education (ASCED) published by the Australian Bureau of Statistics. In this classification, 'n.e.c.' stands for 'not elsewhere classified'.

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		screening and surveillance					
41768	Industry Linked	Harnessing AI to Drive Transformational Change in Business and Beyond	This project will develop a framework to help leaders use AI effectively during major organisational change. It will show how to harness AI to improve decisions and performance while maintaining trust, collaboration and shared purpose—supporting leaders across Australia to manage transformational change responsibly and successfully.	Management and Commerce, n.e.c.	James Cook University	SERO4 Limited	QLD
41719	Industry Linked	Generative-AI Driven Requirements Copilot for Rapid, Regulation-Ready Australian Space Missions	This project will build an AI assistant to help space companies write and check technical requirements quickly and accurately. By automating compliance and validation in space missions, it aims to cut preparation time, reduce costs and support faster regulatory approvals, strengthening Australia's competitiveness in the growing global space sector.	Systems Analysis and Design	Monash University	Starbound Space Solutions Pty Ltd	VIC
41753	Industry Linked	Fluid dynamics of heart valves and their replacements	This project will build a testing system to study how heart valves work under realistic conditions. It aims to improve valve designs and support safer treatments for heart patients in Australia.	Inorganic Chemistry	Queensland University of Technology	D&D MEDICAL DEVELOPMENT PTY LTD	QLD
41829	Industry Linked	Unlocking critical minerals from mine wastes	This project will unlock valuable critical minerals from mine waste using an innovative chemical process that selectively breaks down complex mineral hosts. It will help strengthen Australia's supply of critical minerals for clean energy technologies while reducing the environmental footprint of mining.	Horticulture	Queensland University of Technology	Lava Blue Ltd	QLD
41665	Industry Linked	Manipulation of Stress Response Pathways to Enhance Crop Yield	This project will develop innovative production methods to revolutionise yields and production efficiencies in glasshouses. By applying novel, controlled stresses in indoor farming systems and developing automated imaging tools, the project will produce elite seedlings for Australian growers, contributing to a strong and resilient horticultural sector.	Public Health, n.e.c.	Queensland University of Technology	InvertiGro Pty Ltd	QLD
41662	Industry Linked	Developing RNA therapeutics for suppressing Human T cell Leukaemia Virus type 1	This project will develop a new drug to fight a virus that affects many Australians, especially in remote communities. It aims to offer the first treatment for this disease and improve health outcomes nationwide.	Biomedical Engineering	Queensland University of Technology	Gene Company Pty Ltd	QLD
41740	Industry Linked	A Global Meta Model for Optimising Offshore Wind Turbine Foundation Design	This project will improve offshore wind energy by using global data and smart modelling to design more reliable, cost-effective foundations. It aims to lower energy costs and support Australia's clean energy goals with safer, more efficient wind farms.	Geotechnical Engineering	Royal Melbourne Institute of Technology	Findex Pty Ltd	VIC



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41747	Industry Linked	Spatial -Temporal Anomaly Detection for User Behaviour in Telecommunication Networks	This project will build an AI system to predict problems in telecom networks before they happen, using real-time data and smart learning. It aims to improve service reliability, reduce costs, and strengthen Australia's digital infrastructure.	Electronic Engineering	Royal Melbourne Institute of Technology	Clarity Global	VIC
41736	Industry Linked	Optimising Electric Vehicle Fleet Planning to Accelerate Australia's Net Zero Transition	This project will support companies in managing electric vehicle fleets by developing optimisation solutions for smarter route planning and charging stations, aiming to reduce emissions, lower costs, and accelerate Australia's transition to clean transport.	Artificial Intelligence	Royal Melbourne Institute of Technology	Beyond EV	VIC
41670	Industry Linked	Portable Platform for Non-Invasive Delivery of Biological Therapeutics	This project will develop a device that delivers fertility drugs without needles, reducing stress for IVF patients. It aims to improve treatment outcomes and make care more comfortable and accessible.	Biomedical Engineering	Royal Melbourne Institute of Technology	GonGlobal Pty. Ltd.	VIC
41769	Industry Linked	Enhancing Parameter Efficiency in Large-Scale Transformer Models through Low-Rank and High-Frequency Representations	This project will explore new ways to make large AI models more efficient by reducing the need for expensive training. It aims to help Australia build powerful, cost-effective AI tools for finance, health, and other key industries.	Algorithms	The University of Adelaide	Commonwealth Bank of Australia	SA
41767	Industry Linked	Data-Efficient Transformers: Effective Training from Small Datasets	This project will improve AI models called transformers so they work better with small amounts of data. It aims to make smart technology more accessible for healthcare, environment, and defence, helping Australia lead in efficient AI.	Algorithms	The University of Adelaide	Commonwealth Bank of Australia	SA
41803	Industry Linked	Advanced machine learning for leak detection in smart water networks with IoT acoustic sensors	This project will use smart technology to detect water pipe leaks by analysing sound data from sensors. It aims to protect water supplies, reduce waste, and support smarter infrastructure across Australian cities.	Water and Sanitary Engineering	The University of Adelaide	Adelitics Pty Ltd	SA
41822	Industry Linked	Feature-based Transfer for Optimization of Water Infrastructure	This project will speed up planning for water systems by using AI to learn from past designs and guide future ones. It aims to improve infrastructure efficiency and help companies make better decisions faster.	Artificial Intelligence	The University of Adelaide	Optimatics Solutions Pty Ltd	SA
41770	Industry Linked	Transaction-Aware Transformers: Tailoring Deep Learning for Financial Modeling	This project will design AI tools that better understand financial transactions by tailoring models to the unique patterns of financial data. It aims to strengthen fraud prevention and support smarter, data-driven decision-making across Australia's financial sector.	Algorithms	The University of Adelaide	Commonwealth Bank of Australia	SA
41771	Industry Linked	Confidential by Design: Transformer Architectures	This project will redesign AI models to operate directly on encrypted data, preserving privacy throughout computation. It helps banks	Algorithms	The University of Adelaide	Commonwealth Bank of Australia	SA



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		Tailored to Fully Homomorphic Encryption	and businesses adopt advanced AI tools while protecting customer data.				
41821	Industry Linked	Cable in Trench Under the Sea (CiTrUS): Hydrodynamics of Subsea Power Cables	This project will study how underwater cables behave in ocean trenches to improve their safety and reliability. It aims to support offshore wind energy and high-voltage transmission infrastructure to strengthen clean energy connections within Australia and globally.	Ocean Engineering	The University of Adelaide	Aurora Offshore Engineering Pty Ltd	SA
41703	Industry Linked	Geological evolution of the Youanmi gold deposit, West Australia	This project will study how gold forms in a West Australian deposit by using advanced imaging and modelling techniques. It aims to help explorers find new gold deposits, boosting Australia's mining industry and economy.	Geology	The University of Melbourne	Rox Resources	VIC
41708	Industry Linked	Navigating with Nature: Improving Ocean Current Predictions for Fuel-Efficient Shipping	This project will build a system to predict ocean currents more accurately, helping ships travel faster and use less fuel. It aims to reduce emissions and support sustainable shipping for Australia.	Ocean Engineering	The University of Melbourne	OCEAN INTELLIGENCE Holdings Pty Ltd	VIC
41743	Industry Linked	Advancing Problematic Soil Characterization from Cone Penetration Testing Using AI	This project will use AI to improve how we understand the engineering behaviour of challenging soil types, particularly those found in offshore and remote areas. It aims to support renewable energy projects and reduce risks in construction in Australia.	Geotechnical Engineering	The University of Melbourne	Geotesta	VIC
41710	Industry Linked	Transforming the costly waste sludge into a safe product	This project will improve how wastewater sludge is treated by using a new chemical to boost energy recovery and reduce pollution. It aims to create cleaner, more efficient systems for Australia's water industry.	Environmental Engineering	The University of Queensland	Central SEQ Distributor-Retailer Authority trading as Urban Utilities	QLD
41699	Industry Linked	Personalised Drug Treatments from Patient-Derived tumour analysis	This project will create software that uses lab-grown tissue to predict the breast cancer treatments for each patient. It aims to improve healthcare and offer more personalised options for Australians with cancer.	Biomedical Engineering	The University of Queensland	Genomics for Life	QLD
41831	Industry Linked	The Missing Link in ACL Injury Prevention: How Pubertal Load-Adaptation Deficits Affect Ligament Size, Strength, and Injury Risk	This project will test if special exercises can strengthen knee ligaments in young female athletes during puberty. It aims to prevent injuries and guide safer training for girls in rugby league across regional Australia.	Human Movement	University of New England	Presbyterian Ladies College Armidale	NSW
41813	Industry Linked	AI-Enhanced Battery Management and Safety for Battery Energy Storage Systems	This project will create smarter battery systems by combining AI and sensors to monitor health and prevent failures in large energy storage setups. It aims to support clean energy, reduce costs, and improve safety for homes, transport, and the power grid.	Electrical Engineering	University of New South Wales	Advanced United Technologies Pty Ltd	NSW



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41687	Industry Linked	Developing water-processed cathodes for sodium-ion batteries	This project will create safer, cheaper battery materials that can be processed with water instead of toxic chemicals. It aims to support clean energy storage for homes and the grid, while improving environmental sustainability.	Inorganic Chemistry	University of New South Wales	CAP-XX (AUSTRALIA) PTY LTD	NSW
41752	Industry Linked	Optimising performance of orthokeratology	This project will study how orthokeratology contact lenses affect eye shape and vision to improve treatment for short-sightedness in children. It aims to develop more personalised orthokeratology treatments for children with short-sightedness.	Optometry	University of New South Wales	Carl Zeiss Pty Ltd	NSW
41756	Industry Linked	Development and Validation of Dynamic Couch system for real-time adaptive radiotherapy	This project will create a moving patient bed that adjusts during cancer treatment to keep radiation focused on the tumour. It aims to improve treatment accuracy and reduce side effects.	Medical Science	University of New South Wales	South West Sydney Local Health District	NSW
41816	Industry Linked	Study on Sediment Dynamics in Batemans Bay based on modelling and observations	This project will monitor water quality and sediment transport in real time to support safe dredging and coastal care. It aims to protect the environment and help councils plan for long-term coastal resilience.	Oceanography	University of New South Wales	Eurobodalla Shire Council	NSW
41746	Industry Linked	DNA nanoimaging diagnostic device for genetic disorders	This project will create a faster, more accurate test for Fragile X Syndrome using advanced imaging and analysis. It aims to improve early diagnosis and support better care for families across Australia.	Chemical Sciences, n.e.c.	University of New South Wales	Scitex Global Pty Ltd T/A Genepath	NSW
41806	Industry Linked	Building a High-Performance Framework for Female Rugby League: Integrating Physical and Technical Development Across the Pathway	This project will study female rugby league players to understand the skills and physical traits that lead to top performance. It aims to improve coaching, support athlete development, and promote gender equity in Australian sport.	Human Movement	University of Newcastle	KNIGHTS RUGBY LEAGUE PTY LTD	NSW
41787	Industry Linked	Enhancing acoustic signals for underwater communication and sonar using biologically inspired signal processing.	This project will improve underwater sound detection by using insect-inspired vision models to better separate useful signals from background noise. It aims to enhance underwater communication and tracking, helping Australia's maritime safety and defence capabilities.	Communications Technologies	University of South Australia	EvoSonic	SA
41835	Industry Linked	Targeted Nutritional Strategies to Enhance Reproductive Success in Captive-Bred Corals	This project will study coral nutrition to improve breeding in aquaculture and reduce reliance on wild collection. It aims to support sustainable coral farming and meet growing global demand.	Marine Science	University of Technology Sydney	Monsoon Aquatics	NSW
41731	Industry Linked	Digital Future Transmission Network	This project will develop new tools to help energy networks handle the rising demand from data centres and other large electronic	Electrical Engineering	University of Wollongong	Transgrid	NSW



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		Impacts: Modelling and Mitigating the Impacts of Data Centres_1	systems. It aims to keep Australia's power supply stable and ready for future growth in digital industries.			Lumea	
41733	Industry Linked	Digital Future Transmission Network Impacts: Modelling and Mitigating the Impacts of Data Centres_2	This project will build better models to help energy providers manage the growing load from data centres and electronic systems. It aims to ensure reliable electricity and faster connections for Australia's expanding digital economy.	Electrical Engineering	University of Wollongong	Lumea Transgrid	NSW
41773	Industry Researcher	Structural and Morphological Variables Related to Intramuscular Tendon and T-Junction Hamstring Injuries in Team Sport Athletes	This project will study different types of hamstring injuries to understand their causes, leading to improved injury management and rehabilitation methods. It aims to reduce the overall burden of hamstring injuries and help athletes recover more effectively.	Human Movement	Australian Catholic University Limited	Springbok Analytics Pty Ltd	NSW
41811	Industry Researcher	Development and Characterisation of Thick-Film Ceramic Electrolytes for Energy Storage and Conversion Devices	This project will develop new ceramic materials for clean energy devices like electrolyzers, batteries and fuel cells. It aims to improve energy systems and support Australia's transition to renewable power.	Manufacturing Engineering	Australian National University	Cavendish Renewable Technology Pty. Ltd.	ACT
41802	Industry Researcher	Enhancing microbiological safety in chocolate manufacturing: detection, prevention, and monitoring strategies.	This project will improve food safety in chocolate production by finding better ways to detect and prevent contamination. It aims to protect public health and strengthen Australia's food industry.	Agriculture, Environmental and Related Studies, n.e.c.	Central Queensland University	Ferrero Australia	QLD
41793	Industry Researcher	Enhancing Road Safety and Sustainability Using Geotextiles and AI-Powered Predictive Modelling in Northern Territory Wet Season Pavement Design	This project will use smart materials and AI to improve road safety in the Northern Territory during wet seasons. It aims to protect remote communities and support reliable transport.	Construction Engineering	Charles Darwin University	CIVILTECH SOLUTIONS PTY LTD	NT
41737	Industry Researcher	Quantum Umanned Aerial Vehicles for Precision Environmental Monitoring	This project will build smart systems for drones using quantum sensors to monitor pollution and climate. It aims to support environmental protection and help Australia meet net-zero goals.	Artificial Intelligence	Curtin University	Raytracer Pty Ltd	WA
41827	Industry Researcher	Optimising Sponge Production Techniques for Environmental	This project will develop new ways to grow marine sponges for environmental restoration and commercial use. It aims to support ocean health and create new products for Australia's blue economy.	Marine Science	Deakin University	SeaGen Aquaculture	VIC



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		Restoration and Commercial Aquaculture					
41834	Industry Researcher	'Tracing Absence': Indigenous cultural heritage mapping for heritage management and renewable energy development in the Mallee Dunefields	This project will work with Indigenous communities to better identify cultural heritage sites in renewable energy zones. It aims to protect heritage and support respectful development.	Anthropology	Flinders University	Austral Archaeology Pty Ltd	SA
41798	Industry Researcher	School-Based Programs for Adolescent Boys and Young Men: Promoting Mental Health, Healthy Masculinities, and Positive Relationships	This project will explore the impacts of school-based programs to promote healthier masculinities and positive mental wellbeing in adolescent boys and young men, with particular focus on their potential to influence healthier intimate relationships.	Health Promotion	Flinders University	The Man Cave	SA
41779	Industry Researcher	Evaluating the impact of a hospital-based Geriatric Outreach Service for people with dementia in residential care	This project will evaluate a new outreach service for dementia care to see if it improves outcomes and reduces hospital visits. It aims to guide better aged care across Australia.	Public Health, n.e.c.	Flinders University	Southern Adelaide Local Health Network	SA
41786	Industry Researcher	Enhancing General Practice co-ordination to promote integration of services for older people	This project will study how GPs coordinate aged care and what helps or hinders their involvement. It aims to improve care planning and support older Australians living at home.	Community Health	Flinders University	Adelaide Primary Health Network	SA
41785	Industry Researcher	Promoting Multidisciplinary Team Care for older people with chronic conditions in primary care	This project will evaluate different team-based care models in primary health to see what works best. It aims to improve chronic condition management and support better patient outcomes.	Community Health	Flinders University	Adelaide Primary Health Network	SA
41789	Industry Researcher	A framework for Rapidly Uplifting Neural Network-based AI Critical Infrastructure Resilience Approach from Mining to the Defence Sector	This project will explore how AI can improve maintenance of industrial assets and when it offers better value than traditional methods. It aims to guide smarter investments and boost efficiency.	Artificial Intelligence	Flinders University	Secora	SA
41763	Industry Researcher	Beyond Engagement: new approaches to collaboration between	This project will support Indigenous communities in managing land and developing income from environmental services. It aims to strengthen self-determination and protect Country.	Indigenous Studies	James Cook University	Dabu Jajikal Aboriginal Corporation	QLD



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		Indigenous organisations, research institutions and industry					
41659	Industry Researcher	Engineering Black Soldier Flies for Sustainable Waste Management and Biomanufacturing	This project will engineer insects to digest more types of waste and produce valuable products. It aims to divert waste from landfill and support circular economies in regional Australia.	Biochemistry and Cell Biology	Macquarie University	Entozyme Pty Ltd	NSW
41749	Industry Researcher	Enhancing Culturally Appropriate Governance for First Nations participants in Australian Sports	This project will study First Nation people's experiences, and governance structures, in major sports to identify better ways to support the participation of Indigenous people in Australian sport. It aims to promote inclusion and positive outcomes for Indigenous athletes by addressing gaps and recommending areas for improvement in sport governance.	Sport and Recreation, n.e.c.	Monash University	Murray Valley Aboriginal Cooperative	VIC
41664	Industry Researcher	Advanced Simulation Techniques for Optimizing Thermohydraulic Performance in Heat Exchangers_1	The project will develop accurate and efficient models to predict the performance of heat exchangers to enable improved designs that cut emissions and support sustainable manufacturing in Australia.	Automotive Engineering and Technology, n.e.c.	Queensland University of Technology	P.W.R PERFORMANCE PRODUCTS PTY LTD	QLD
41673	Industry Researcher	Advanced Simulation Techniques for Optimizing Thermohydraulic Performance in Heat Exchangers_2	This project will improve heat exchangers for cooling systems in transport and energy through enhanced design and material selection and aims to reduce manufacturing cost, boost performance and support Australian manufacturing.	Automotive Engineering and Technology, n.e.c.	Queensland University of Technology	P.W.R PERFORMANCE PRODUCTS PTY LTD	QLD
41671	Industry Researcher	Delayed scoliosis diagnosis in adolescents: Impact on treatment intensity and patient compliance demands	This project will study how delayed diagnosis affects scoliosis treatment in young people and develop better non-surgical management guidelines. It aims to improve outcomes and reduce the need for surgery.	Physiotherapy	Royal Melbourne Institute of Technology	ScoliCare Pty Ltd	VIC
41742	Industry Researcher	Cross-Camera Multi-Object Detection and Tracking for Automated Assembly Lines	This project will create a tracking system for factory parts using low-cost cameras and smart software. It aims to help small manufacturers meet global standards and improve quality control.	Manufacturing Engineering	Royal Melbourne Institute of Technology	Dowson Pty Ltd	VIC
41791	Industry Researcher	The use of hydrogels as a drug delivery agent	This project will test if special gels can deliver cancer drugs directly to tumours and track them using medical imaging. It aims to improve treatment and reduce side effects for patients.	Medical Studies, n.e.c.	Royal Melbourne Institute of Technology	Quantum Pharma Australia Pty Ltd	VIC
41722	Industry Researcher	Framework for Human-AI Workforce Transformation in Australian Advertising:	This project will help creative industries use AI responsibly by creating tools, training, and ethical guidelines. It aims to protect jobs and grow Australia's creative economy.	Communication and Media Studies, n.e.c.	Royal Melbourne Institute of Technology	Ovum Pty Ltd	VIC



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		Building Resilience & Accelerating Growth in the Creative Industries					
41693	Industry Researcher	Prefabricated Light Gauge Steel Portal Frames: A Sustainable and Cost-Effective Solution for Low-Carbon Modular Construction	This project will design low-carbon steel frames for buildings using smart modelling and recycled materials. It aims to support affordable housing and reduce emissions in construction.	Construction Engineering	Royal Melbourne Institute of Technology	LSF Victoria Pty Ltd	VIC
41697	Industry Researcher	Contemporary, Trauma-Informed Leadership as a Protective Factor Against Employee Burnout	This project will study how trauma affects workers in community services and develop tools to support their mental health. It aims to reduce burnout and strengthen the workforce.	Health, n.e.c.	Royal Melbourne Institute of Technology	Windana Drug & Alcohol Recovery Ltd	VIC
41780	Industry Researcher	Culturally Responsive Aged Care and Mental Health Services for older culturally and linguistically diverse Australians	This project will work with older Burmese and Filipino Australians to improve access to aged care and mental health services. It aims to create more inclusive and culturally safe care.	Community Health	Royal Melbourne Institute of Technology	Great Care Pty Ltd	VIC
41759	Industry Researcher	Crossing the Threshold: Rethinking Service Responses to Coercive Online Violent Extremism in Australia	This project will study how extremist groups manipulate vulnerable people online and create tools for early intervention. It aims to protect communities and improve public safety.	Criminology	The University of Adelaide	Department of Human Services	SA
41739	Industry Researcher	Efficiency of alternative models of care for health service delivery in Australia	This project will use real-world data to evaluate health services and find which ones offer the best long-term value. It aims to guide smarter funding and improve care across Australia.	Public Health, n.e.c.	The University of Melbourne	Medibank Private Limited	VIC
41758	Industry Researcher	Para Sport Coach Development - An Explorative Prospective Longitudinal Study	This project will study how coaching programs help develop Para sport coaches and increase athlete participation. It aims to support inclusive sport and boost Australia's Paralympic success.	Human Movement	The University of Queensland	Australian Athletics	QLD
41734	Industry Researcher	Advanced biomanufacturing of novel cosmeceutical ingredients from Australian avocado food	This project will provide a novel, biotech-driven solution to the growing food waste of the Australian avocado industry. By combining advanced bioprocess modelling with smart fermentation techniques, a collection of microbial biofactories will transform avocado by-products into next-generation bioactive ingredients for	Food Science and Biotechnology	The University of Queensland	BiomeCentric Pty Ltd	QLD



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		waste through the use of microbial biofactories	skincare, advancing sustainable Australian-made skincare ingredients globally.				
41713	Industry Researcher	Engineering the Surface of Science: Scalable Plasma Coatings for Next-Gen Labware	This project will improve lab equipment surfaces to make them safer and more effective for biological research. It aims to support better fertility treatments and scientific discoveries.	Biomedical Engineering	The University of Sydney	Culturon PTY LTD	NSW
41805	Industry Researcher	Executable Operation Graphs for AI Governance in Regulated Sectors	This project will design software to ensure AI tools follow business rules and behave responsibly. It aims to help industries use AI safely and meet strict regulations.	Artificial Intelligence	The University of Western Australia	RAC Insurance Pty Limited	WA
41716	Industry Researcher	Implementing an integrated allied health model of care into residential aged care	This project will provide more allied health services in aged care homes and compare their impact to usual care. It aims to improve health and wellbeing for older residents.	Rehabilitation Therapies, n.e.c.	University of Canberra	Warrigal Care Limited	ACT
41702	Industry Researcher	Collaborative Pharmacist Medication Prescribing for Children and Young People in Australian Hospitals	This project will explore how pharmacists can collaboratively prescribe medicine for children in hospitals. It aims to improve care and reduce medication errors in paediatric settings.	Pharmacy	University of New South Wales	The Sydney Children's Hospitals Network (Randwick and Westmead)	NSW
41807	Industry Researcher	The wellbeing benefits of earth and bio-materials in residential construction	This project will explore how natural building materials like clay, straw and hemp contribute to the wellbeing of occupants in their homes. This research aims to promote healthier, more sustainable housing across Australia.	Building, n.e.c.	University of Newcastle	Mudtec Pty. Ltd.	NSW
41801	Industry Researcher	Closing the Cybersecurity Compliance Gap in the Superannuation Industry	This research examines the significant discrepancy between cybersecurity compliance and actual security resilience in Australia's superannuation sector. It aims to protect retirement savings and strengthen digital security.	Security Science	University of Newcastle	Team Super	NSW
41812	Industry Researcher	Building Work Health and Safety Capabilities in Small Construction Businesses: Strengthening Due Diligence and Compliance	This project will design safety training tailored for small construction businesses to help them meet legal requirements. It aims to reduce injuries and improve workplace safety across the sector.	Building Construction Management	University of Newcastle	United Group Limited (UGL) Housing Industry Association (HIA)	NSW
41820	Industry Researcher	Geostationary Belt Imagery and Object Identification using Low Earth Object Based Optical Surveillance	This project will use satellite cameras to track objects in space, helping Australia monitor activity in the geostationary belt. It aims to strengthen national space awareness and support safer satellite operations.	Aerospace Engineering	University of Southern Queensland	Optus Networks Pty Ltd	QLD



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41838	Industry Researcher	Design and Implementation of Universal Quantum-AI Modelling for Waste Transport	This project will build an AI-powered universal model to help waste transport companies plan better routes and services. The project will advanced the uptake of quantum technologies, aiming to cut costs, improve reliability, and support sustainable operations.	Artificial Intelligence	University of Southern Queensland	4impact Asia Pacific Pty Ltd	QLD
41799	Industry Researcher	Building Climate Resilient Wastewater Infrastructure in Regional Communities	This project will study climate smart sewer systems in regional areas to find ways to achieve optimal performance. It aims to protect infrastructure life and support sustainable planning.	Water and Sanitary Engineering	University of Southern Queensland	Toowoomba Regional Council	QLD
41815	Industry Researcher	AI-Based Multi-Sensor Fusion and Tracking for High-Target-Density Environments	This project will develop advanced AI systems for accurate, robust, real-time multi-object tracking in complex environments using multi-sensor data. It introduces a novel approach that addresses the limitations of state-of-the-art probabilistic methods, setting new benchmarks in safety, autonomy, and Australia's sovereign capabilities in defence, surveillance, and autonomous technologies.	Engineering and Related Technologies, n.e.c.	University of Technology Sydney	DroneShield Group Pty Ltd	NSW
41696	Industry Researcher	Defining neuronal composition for advancing biological computing	This project will improve biological computers made from brain cells to solve complex problems and support new treatments. It aims to advance healthcare and position Australia as a tech leader.	Biomedical Engineering	University of Wollongong	CClabs Pty Ltd	NSW

