

Prize	Entry Name	High-level Pitch
AgriTech	Remote Agriculture Optimisation	Remote Agriculture Optimization (RAO) is a software service which provides optimum irrigation decision for farms in order to reach the maximum yield with least irrigation. This superior performance has been achieved by real time optimization over the whole crop season considering the long term weather condition.
AgriTech	Tiny Octopus Co.	Tiny Octopus Co. is a company rearing octopus larvae to juveniles to supply commercial octopus on-growing aquaculture. Our juveniles are of high quality and available year round which make on-growing octopus culture independent of wild fisheries.
Arts Prize	Cassava plastic bags	Eco-friendly bags that dissolve in water and have a clean and sustainable manufacturing process.
Arts/Creative Arts and Design prize	Socius	Oculus Rift for people with Autism to practice Social Interaction. Using Virtual Reality videos available on a smartphone app they can access an immersive solution to help learn how to more easily make friends, build relationships and overcome social barriers preventing employment and other simple wants in life.
Business School	BallOut	A social-media platform designed for athletes to search for and locate nearby sports events, pick-up games, real-time. Players can create game "requests" set out by different requirements, and those who "match" will be notified and allowed to join - ultimately, removing the hassle in organising for sports.
CAI Prize	The New Zealand Recycling Dictionary	Are you recycling properly? The NZ Recycling Dictionary defines how to best dispose of any item you could come across in your everyday life, using state-of-the-art AI/AR technology to deliver this information in the easiest way possible. The app's mission is to create a more environmentally friendly world,
Chiasma	TestPan	TestPan. Don't pee in the cup, pee in the pan. Find out what your poo can tell you? What better way to evaluate your health and nutrition than by measuring what comes out naturally?
COMMERCIAL	TagMed.ai	A platform fosters the AI healthcare industry by helping AI healthcare startups gain high-quality annotations of anonymized medical data from medical experts in a more accessible, affordable and efficient way.
COMMERCIAL	HAPPY Nappy	The HAPPY Nappy. Never have to change a dirty nappy again. An intelligent nappy, monitoring upcoming bowel movements to let parents and caregivers know what's happening before it happens. Gives a nappy warning before it turns crappy, keeping everyone happy.
COMMERCIAL	StepTED	We are innovating smart compression stockings, designed to continuously and quantitatively detect patient movement after surgery. The stockings will be worn routinely by both elective and emergency surgical patients following an operation, and will prevent against blood clots in the legs (deep vein thrombosis), a life-threatening complication after surgery.
COMMERCIAL	RetroStim	Our interdisciplinary team of surgeons, engineers and entrepreneurs have refined breakthrough nerve stimulation technologies, to tap into a large population of diaper and pad-wearing adults with debilitating and embarrassing gastrointestinal (GI) illnesses. This will be a life-changing, broadly accessible therapy for millions suffering from incontinence.
COMMERCIAL	eMpowder	We endeavour to empower your gut health against self-reported dairy intolerances, by developing a novel Lactose-free Manuka Honey Milk Powder with the added power of Probiotics. Be ready to prepare a delicious easy-to-digest milk drink that offers some unique research-based functional health benefits.

COMMERCIAL	Dana	Dana presents a dynamic placement algorithm for air quality monitoring to enhance the precision and the usefulness of the data recorded by the existing sensors.
COMMERCIAL	Kessler	Kessler is developing a mechanism to quickly and cheaply de-orbit satellites. The aim of the mechanism is to provide companies with an alternative to rocket boosters, saving space and significantly lowering de-orbiting cost. A major goal is to contribute towards slowing the buildup of space debris in Earth's orbit.
COMMERCIAL	Cyber Sentry	Cyber Sentry deploys machine-learning AI to attempt to 'hack' their client's cyber security systems, for the purpose of testing the effectiveness of that security. Cyber Sentry then generates automatic reports for clients pointing out any weak areas or 'holes' in their cyber security.
Comp Sci AI Prize	Tio AI	Tio AI (Te reo: Oyster) is a software platform that optimises the larval rearing of oysters. Using computer vision to assess larval health and IoT sensors to monitor growing conditions Tio AI makes decisions, learns and continuously adjusts the growing system to meet the larval oysters needs.
Comp Sci Cyber Security	WebGuardian	We believe that every internet-connected individual in the world should be able to safely and securely participate online. Our easy to use browser plugin and mobile app automate the steps required to remain secure online, making online security accessible to everyone.
Education	Immersive Virtual Reality Serious Game emergency training system	A customizable Immersive Virtual Reality Serious Game emergency training system which can significantly increase emergency preparedness and decrease casualties and losses, and be applied to every human being.
Engineering	Cure Myopia^TM	Cure Myopia^TM is an evidence-based initiative designed to screen, detect and monitor the treatment of myopia (short-sightedness) among children and young adults through the implementation of Internet of Things (IoT) and smartphone-based application. The streamlined system can be implemented in any optometrist and eye care providers' practices.
Female Founders	Prospero	A smart memory assistant that keeps track of your tasks and guides you to learn and apply memory techniques. Using physiological signals, Prospero proactively initiates practice of the techniques during opportune times where user attention and cognitive load have more bandwidth.
FMHS	PainWatch	Surgery, an already distressing experience for many patients, is worsened by the threat of unbearable pain that follows. Enter the PainWatch. A wearable technology that detects pain and treats it before it happens. By integrating electroceuticals with surgical-grade medical products, postoperative pain may become an issue of the past.
Law Faculty	LapBikes	We convert normal bikes into E-Bikes using motorised components, however, the battery is still the most expensive part. We use drastically reduce the cost of E-bike conversions by using dismantled healthy batteries from broken laptops from repair shops to make a \$500 battery cost only \$20.
Pacific Islander	Magnetic Makeup Board	
PhD Prize	SQL	A new algorithm for producing a variety of nonlinear mappings for machine learning applications. It is a low resource digital circuit with proven mathematical functions. With 14% decrease in power consumption, 40% reduction in area and 21% reduction in delay. Usefulness in very low-end devices with limited hardware capabilities.
PhD prize	Vision Psyence	Glaucoma is the leading cause of irreversible blindness in the world that affects 80 million people. The vision loss starts stealthily in the periphery and if not detected and treated at early stages will lead to complete vision loss. We provide an automatic and easily accessible screening system for glaucoma.

PhD prize	GastroBlock	There are currently limited therapies for treating gastrointestinal diseases that are underpinned by disordered electrical rhythms. Our team has successfully pioneered ablation techniques to alter the electrical signals of the stomach. We are now poised to develop release GastroBlock as a new clinical therapeutic product.
Property	AirParkr	Air travel is a stressful experience, and airport carparks come at a significant cost. AirParkr connects outgoing travellers with incoming tourists. Users can drive to the airport, park their car for free, and hire it out through the AirParkr platform to tourists on a short-term basis.
Research prize	ProsthetX	ProsthetX is developing a semi-automated Additive-Manufacturing process to create world first prosthetic socket designs, addressing the main pain points of both Amputees and Prosthetists. The process offers a faster, cheaper method of socket creation that creates the worlds first single piece flexible sockets for pain-free unbeatable rapid fit & comfort.
Research prize	Drain Relief	Many surgical and radiological interventions rely on drainage catheters to remove unwanted fluid from the body after procedures. These drains are present for days to weeks depending on the nature of the cavity. Ensuring drain comfort during recovery is a challenge. We have a novel patient comfort solution.
School of Comp Sci Prize	LookUP	LookUP is the next step in the evolution of QnA. It is estimated that one in five people in the world suffers from dyslexia. However, most QnA platforms are completely text-based. LookUP looks to be a medium in which the dyslexic community can effectively collaborate and learn together online.
Science	UpRight	An artificial intelligence powered application and device that can monitor human postures in real time, fast and accurately, helping you, your family, friends to gain optimal health and improve productivity.
Social	Non-contact real-time heart rate measurement for newborn infants	We propose a clinician-friendly device for non-contact and real-time heart rate measurement for newborn infants immediately after birth. Our technology offers a safe, fast, and accurate heart rate determination. This method offers considerable advantages over conventional methods of newborn heart rate determination -- a critical step in newborn resuscitation.
Social	Bounder	Bounder delivers interactive, role-playing audiobooks that encourage children's imagination, creativity and physical play.
Social	Can AI Help	Communication plays a role in all relationships, and is a driver for many problems created. "Can AI Help" is an online relationship mediator that acts as the middleman between two individuals. The software guides the users to find the root of the problem and help users understand each other's perspective.
Social	Kintsugi	Kintsugi aims to use VR to create awareness about mental health illness while teaching people how to support those suffering from mental illness. Our VR games let people experience "firsthand" mental illness, while given positive support. These games will be created by consulting people with firsthand experience and psychologists
Social	Bookify	Combating textbook piracy and ensuring textbooks are accessible to everyone by providing a more convenient platform for students to use and access. Books + Spotify = Bookify
Social	Watchtower	Watchtower is a personalised support system that stores and visualises your individual needs, support mechanisms, and "watcher" feature that alerts friends and whanau when you need support so that you always someone watching over you whenever you need it.

Social	Settle Your Claim	An online platform that aims to encourage participation during Iwi/Hapu voting on Treaty Claims Settlements. It allows communication between the Iwi/Hapu members and the people working to settle a claim. It also allows for voting on settlement offers made by the Crown.
Social	Co-Own	We are providing a unique solution to address the unaffordability of housing in urban areas in order to empower individuals and strengthen communities.
Whiua Ki te Ao!	Maori Lootboxes	To launch tikanga Maori into mainstream culture, Maori lootboxes are monthly packages delivered straight to your door, that contain surprise goods in relation to the theme of the month. Filled with crafts, trinkets, books, and other collectibles, te ao Maori comes alive.