Techcelerator
Faculty of Engineering & Information Technology

Techcelerator 2022 Demonstration Day was held on 2 Dec 2022 to celebrate the achievement of 2022 cohort. Eight teams (5 prototyping teams and 3 Hacking for National Security - H4NS- teams) presented their prototypes/solutions to the judgers and audiences on the day. The Techcelerator team is immensely proud of the 2022 cohort and their accomplishments over the last 4 months.

There were six Techcelerator Demonstration Day prizes awarded to recognise the outstanding work of 2022 cohort.

The Most Innovative Prototype Award

The award was presented to Microfluidic Solution for Cell-based Therapy, who the judges believe demonstrated the most originality and innovation in their prototype.

Team members: Dorsa Morshedi Rad (CTO)
Majid Ebrahimi Warkiani

"We are developing a low-cost solution for efficient engineering of patients own immune cells to better recognize and attack cancer cells."
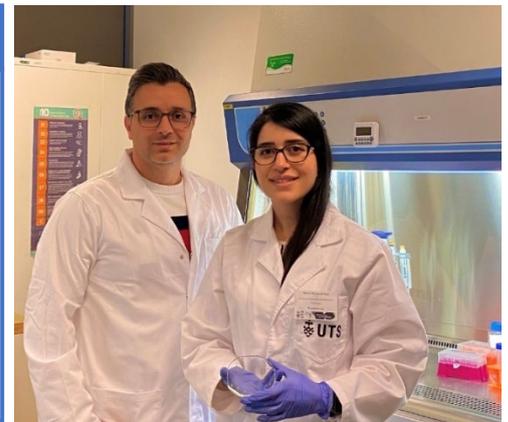
The Most Technically Feasible Prototype Award

The award was presented to Intelligent Scanners, who the judges believe demonstrated the most technically feasible prototype.

Team members: Gitarth Vaishnav (CTO)
Saloni Desai

"Our product is a fully customisable, all in one solution that detects illegal objects from x ray outputs using cutting edge technology, with accuracy up to 90%."

Most Developed Solution Award

The award was presented to H4NS-P1, who produced a solution judged to be highly ready for implementation by the Problem Sponsor.

Team members: Thorne Blackman
Doruk Baran

Australian Defence Force (ADF) Cyber Operators need reusable SSDs that can be zeroized (i.e., permanently delete data and verified) in order to ensure security of classified and sensitive data.

Most Creative Solution Award

The award was presented to H4NS-P2, whose solution the judges believe is the most creative one.

Team members: Christopher Lee
　　　　　　　 Da Cheng Gu
　　　　　　　 Kalia Weate
　　　　　　　 Reece Malanos

Defence representatives need a comprehensive, standardised way to manage technical data and associated intellectual property rights to enable Defence to meet its operational requirements and obligations.
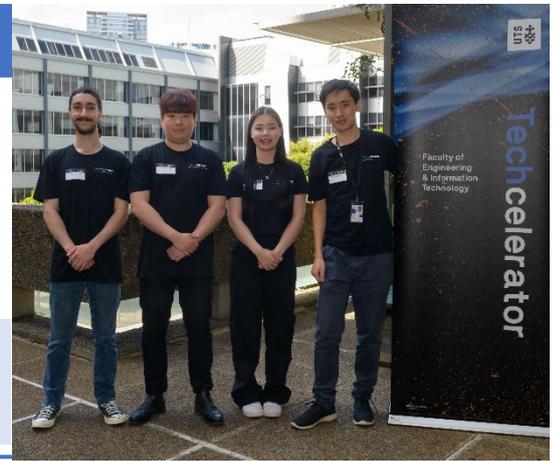
Most Effectively Communicating Team

The award was presented to H4NS-P3, who demonstrated excellent communication skills when interacting with the Problem Sponsor.

Team members: Gaayathiri Shanmugarajah, Jacob Rochecouste, Alexander Harb and Reece Vernon

Australian Defence Space Command (DSpC) need an interoperability tool/framework that allows Defence to exchange space environment information with their Australian civilian counterparts in order to co-develop a national space surveillance enterprise.
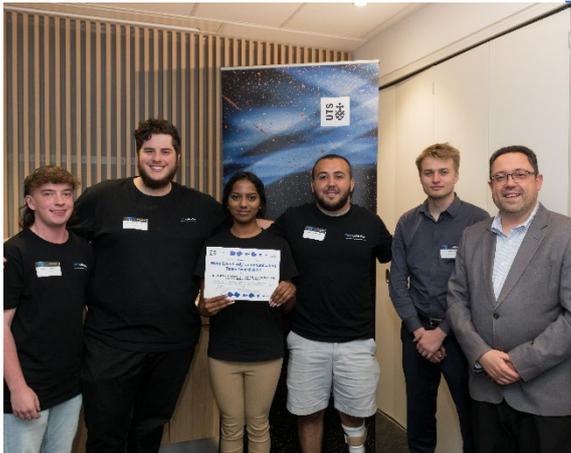
People's Choice Award

The award was also presented to Microfluidic Solution for Cell-based Therapy, who most impresses the Demonstration Day audience.

Team members: Dorsa Morshedi Rad (CTO)
　　　　　　　 Majid Ebrahimi Warkiani

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Learn more about the 2022 Techcelerator teams and their projects @Techcelerator 2022. Follow us @ UTS Techcelerator on LinkedIn. Techcelerator 2023 will come soon!