

WHO IS THE MOST INNOVATIVE STUDENT OF THE NETHERLANDS?

Innovation festival INNOVATE and science magazine Quest present the 8 finalists of the 'Innovatiefste Student van Nederland 2024'. The winner will join a growth trip through Silicon Valley.

Arnhem, Netherlands – Many students are already taking the first steps to make a positive impact on the world during or immediately after their studies. For the fourth year in a row, all students in the Netherlands were invited to enter the 'Innovatiefste Student van Nederland' (in English: The most innovative student of the Netherlands) competition. This annual challenge aims to stimulate young talent and turn innovative ideas into reality. Unique to this challenge are the spectacular prizes: a week-long boot camp for all finalists and, for the winner an all-expenses-paid growth trip through Silicon Valley, made possible by the Ministry of Economic Affairs and Climate and the Ministry of Foreign Affairs.

Out of many entries from all over the Netherlands, a panel of experts selected eight students, based on creativity and innovation (in no particular order).

Silicon Valley trip

Read more about last year's winner's trip to Silicon Valley on page 16.

Find out more

Read more about *De Innovatiefste Student van Nederland* and other activities of INNOVATE at www.innovate.community.



PAVA

Femke Delissen & Tom de Leeuw, VU Amsterdam

PAVA uses WiFi sensors as a monitoring system in elderly care. They use them to remotely measure movement and provide real-time health insights without storing privacy-sensitive data.



AlphaPace

Kas Hogeboom, TU Delft

AlphaPace provides a device to quickly and accurately determine the quality of breakthrough radioactive cancer drugs (radiopharmaceuticals). These drugs will replace chemotherapy and help millions of people.



SimplePark

Lucas Castelein, Fontys

SimplePark connects car park owners with drivers and integrates EV chargers, making more efficient use of infrastructure and energy networks.



Hippotainer

Jort Maarseveen & Tijmen Blok, Wageningen University & Research

The Hippotainer is a plug-and-play complete "vertical farm" in a shipping container. Suitable for sustainable and efficient production of fresh vegetables, regardless of location: from the middle of the city to the middle of the desert.



Pedal Towards Sustainability

Bas Velings, Ilias Lamari & Maarten Putman, HAN University of Applied Sciences

The "Pedal Towards Sustainability" project, in partnership with the Mother Earth Foundation, develops an optimised zero-waste cargo bike with an integrated push cart to help waste collectors and keep the streets of the Philippines clean.



FABBS

Justin van den Hurk, TU Eindhoven

Fast Active Balancing Battery System (FABBS) is a revolutionary battery management system that actively balances the energy in a battery pack, significantly increasing efficiency, capacity and lifespan. This system transforms energy storage systems in various markets worldwide.



IN-DUC

Joep van Heesch, RSM Erasmus University

IN-DUC is developing a technology where induction works on a DC power supply without an inverter, enabling clean and sustainable cooking in places where this is currently a major problem.



ROBO

Team HealthBot, HAN University of Applied Sciences

Robo, the smart social robot, provides companionship to the elderly and assists caregivers and families by providing insight into the user's physical and mood states.