

# AN INTERDISCIPLINARY APPROACH TO ENGINEERING EDUCATION LED US TO PROTECT OUR BIODIVERSITY.

## Project Team Members

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Mentored by the Innovation and Design Programme (iDP)



Meet SAM, a robot designed to detect invasive plant species in Singapore's green environment to safeguard our local biodiversity.

This remarkable invention is a collaboration by our students from different engineering programmes.

SAM is powered by complex sensors and artificial intelligence. It maps the environment, identifies invasive species, and tags their locations while operating in complex terrains.

At the NUS College of Design and Engineering (CDE), we equip students with the ability to work with others from diverse disciplines to develop innovative solutions to tackle real-world challenges.

With 70 years of engineering excellence, we continue to shape the future with ground-breaking innovations.

Explore the possibilities of engineering robotics and AI, including the new BEng Robotics and Machine Intelligence, at the NUS CDE Open House and be part of the future.



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