

Faculty of Engineering

Summer Research Program 2022-2023

Project Title: Smart drone features built around 3D printing

Supervisor(s): Tuck Ng

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Objective

To develop unique and functional physical features into drones using 3D printing so that services vital to regional living can be fulfilled.

Project Details

The COVID 19 pandemic has extensively changed the way in which people plan to live and work. As regional living is becoming more attractive, there is a challenge to ensure how services to these areas can be effectively delivered in a cost effective manner. New technology is being developed, enabling some aspects of these services to be delivered electronically. Yet there is still a need for some physical aspects of service delivery to be fulfilled. Drones coupled with bespoke devices that are created using 3D printing opens up exciting opportunities for this need to be met. This project will allow an imaginative individual to design as well as build some of these solutions.

Prerequisites

The applicant should be pursuing Aerospace, Mechanical or Mechatronics Engineering degrees. Interest in applying engineering principles in a multidisciplinary endeavor will be highly beneficial.

Additional Information

Applicants are encouraged to contact me by email before applying.

