Senior Design Logistics

Alan Trester (EE)
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Zuguang Liu (EE)

September 8, 2020

University of
CINCINNATI

Project Concept

An automatic garden monitoring and care system that utilizes a wireless modular design in order to fit a variety of use cases and scenarios. The system will be able to provide detailed information about garden vital statistics and use this information to automatically care for the plants.

Assigned Tasks

Project tasks are generally broken down below

- Firmware Development & System Architect - Alan Trester
- Hardware Specification - Zuguang Liu
- Frontend Development - Sadie Gladden

Advisors

Dr. Zachariah Fuchs (fuchsze@ucmail.uc.edu)

- Professor for Intro. to Mechatronics
- Knowledge on Embedded System Design, Sensor Fusion, Control systems, etc.

Dr. Carla Purdy (purdyc@ucmail.uc.edu)

- Professor for Embedded Systems
- Knowledge on Microcontroller Design
- Embedded Systems Minor advisor

Confirmation from the advisors are pending

Meeting Times

- 6-8 hours of meeting per week
- Specific meeting time is to be discussed