Microgarden Project Progress Report 1
Software Project 2

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1 Overview

This progress will focus on rebuild the prototype box and plant more dataset. For now, we plant 7 data sets (since semester 2 has began) and will report them in the progress.

2 During vacation

1. Brought more batch to plant the micro-green more at the same time (devided into 2 scenarios, healthy and spoiled.)

2. Increase intensity of the LED light.

3. Change from open the light 24 Hrs/day to around 16 Hrs.

3 Problem

3.1 Raspberry pi reboots by itself

Metropolitan Electricity Authority has more than 2 electricity generators, when they switch the generators on/off some time there is space period, it makes the voltage drop, that is cause of rebooting.

3.2 Shuffling spoiled and healthy batches

In healthy batches might have some spoiled spout, that is normally they will be, but in spoiled batches, even I set it to be spoiled some of them still look healthy.

4 Future plan

1. Plan and re-scope the project.

2. Install fan (12V DC) on the top of the box for cooling down the whole parts.

3. Create auto-run system in case of any time it reboots itself.