Team Name: Smart Park

Date of Submission: 10/24/21

Meeting Date & Time: 10/24/21

Meeting Location: Virtual Meeting Duration: 60 mins

|  |  |  |
| --- | --- | --- |
| Team Members | X = Present | Notes |
| Martin Kariuki | x | Virtual attendance |
| Alexander Chiem | x | Virtual attendance |
| Max Burrell | x | Virtual attendance |
| Damian Avery | x | Virtual attendance |

Progress:

We began purchasing and implementing different power sources to be used for each sensor package. The team is discussing current and feasible housing and materials for protection of significant components. The EE side has started figuring out the wiring of the mechanisms in place. In other words, what was previously discussed on the previous weekly minutes is a work in progress as the teams allocate their time to contribute to the build of our prototype. Altogether, we are all starting the assembly process and figuring out when to link up with each other to build a unit to present very soon.

Damian Avery:

Continuing research for how to wire magnetometer to transceiver. Has found a few options utilizing magnetometer IDE library at GoCreate with the rest of the team. Has began to physically assemble the hardware elements gathered with Alex.

Martin Kariuki:

Continuing research on how to utilize time of flight IDE library code to read/decrypt data collected by sensors. He has tested programs with the CS team and Alex Chiem at GoCreate

Alexander Chiem:

Assembling the Arduino module while testing different power supplies gathered for the prototype. He is monitoring power consumption of transceiver. Began working on product at GoCreate on Campus with the CS side of the team. Has began to physically assemble the hardware elements gathered with Damian.

Max Burrell:

Continuing research for packaging of agricultural environments. Different materials or housings that can be used to protect devices from extreme temps for future implementation. Will help build the prototype for presentation, during his days off from his employer this coming week.

Project Tracking (current work): Assignments and activities are to be tracked until completed.

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| --- | --- | --- | --- |
| Team Member | Assignment | Due Date | % Complete |
| All members | Finish Prototype | 10/29/21 | 50% |

Plan (future work):

|  |  |
| --- | --- |
| Assignment | Due Date |
| Packaging | 10/29/21 |
| Prepare for showcase | 10/29/21 |

Issues:

No issues at this time.

Include the schedule for the next meeting:

Meeting Date & Time: 10/31/21 5:00pm

Meeting Location: John Bardo 262