Team Name: Smart Park

Date of Submission: 10/29/21

Meeting Date & Time: 10/29/21

Meeting Location: GoCreate

Meeting Duration: 60 mins

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

Progress:

The team has began coming together at GoCreate to assemble a working prototype. Alex, Damian, and Phong from the CS side have started to implement software available to our sensor packages. They have also purchased the hardware to test some of the materials and their functionality. Maximillian and Martin have checked and tested some of the software along with them. It is all starting to come together! We’re still considering many options to house and protect the materials. Phong and some of the other CS members have found many solutions from a particular manufacturer that could potentially work. We will order some shells from them to test out soon. Otherwise, we are all now piecing together a unit at GoCreate and the functions will all soon be understood. We are all basically coming together when we can to contribute to the progress of the build.

Damian Avery:

Working on assembling the magnetometer to transceiver. Has utilized magnetometer IDE library at GoCreate with Alex and Phong.

Martin Kariuki:

Working on utilizing the time of flight component to read/decrypt data collected by all the sensors sensors. Has purchased some testing kits for the hardware pieces to be built into the unit(s).

Alexander Chiem:

Assembling the Arduino module. He has gathered different power supplies for the prototype. He is also still monitoring power consumption of transceiver, while helping Damian and Phong on some of the software.

Max Burrell:

Will continue to contribute to everyone’s needs. Has linked up with everyone to view the product and to piece it all together. Will suggest other solutions to potential problems not thought of or brought up at this time.

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 | 12/06/21 | 60% |
| All members (individual) | Block Diagram | 10/31/21 | N/A |
| All members (individual) | Individual Journal | 10/31/21 | 100% |

Plan (future work):

|  |  |
| --- | --- |
| Assignment | Due Date |
| Product Reflection | 11/07/21 |
| Prepare for showcase | 12/06/21 |

Issues:

No issues at this time.

Include the schedule for the next meeting:

Meeting Date & Time: 11/05/21 9:00 AM or 11/07/21 5:00 PM

Meeting Location: John Bardo 262 or GoCreate