Team Name: Smart Park

Date of Submission: 11/14/21

Meeting Date & Time: 11/14/21

Meeting Location: JB 262

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 | Physical attendance |
| Damian Avery | x | Physical attendance |

Progress:

The team is continuing the assembly of our working prototype. Alex, Damian, and Phong have implemented software to our sensor packages, though we’re still having some complications from what we’ve learned from the code generated for the sensors. The purchased hardware has full functionality, for their intended purposes, and is pieced together in an insulated casing that houses all the components. Everyone is now testing and tweeking the product for our show casing soon. The power solution is built in the unit, though it may not be the only option for the product since we’re still considering other options that may possibly be better, especially regarding thr maintenance of the unit, and the likelihood of extended time and use of it. Otherwise, we are all now just getting ready to propose the product at the show case, and finalizing our prototype. Next semester, the goal is to have a final and complete build, that’s completely functional, so we can produce many of them for interested clients and applicants.

Damian Avery:

Finalizing the assembly of the magnetometer to a transceiver.

Martin Kariuki:

Finalizing the utilization of the time-of-flight component to read/decrypt data collected by all of the sensors.

Alexander Chiem:

Finalizing the assembly of the Arduino module. He has also utilized the best possible power component for the unit, at this time. He is finalizing some of the software elements along with Damian, has helped Martin with finalizing the time-of-flight component.

Max Burrell:

Helping everyone’s needs currently. No additional ideas incorporated but is also piecing the unit together with everyone.

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 | 12/03/21 | 75% |
| All members (individual) | Individual Journal and Personal Product Reflection | 11/14/21 | 100% |

Plan (future work):

|  |  |
| --- | --- |
| Assignment | Due Date |
| Individual Work Package | 11/14/21 |
| Prepare for showcase | 12/03/21 |
| Second Semester Work Statement | 12/10/21 |

Issues:

No issues at this time.

Include the schedule for the next meeting:

Meeting Date & Time: 11/17/21 1:00 PM or 11/18/21 5:00 PM

Meeting Location: JB 262 or GoCreate