Team Name: Smart Park (EE)

Date of Submission: 04/24/22

Meeting Date & Time: 04/17/22 5:00pm

Meeting Location: John Bardo Center

Meeting Duration: 30 mins

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

Progress:

The last bits are getting finished up (gateway operating, sensor package analysis, and power system operation). We have requested assistance from the Smart Park CS (Paulina) to help us with some of the coding (Arduino, gateway, and parking data) since we only have 2 working packages and will not be able to have representative data at a larger scale.

Damian Avery:

We will be testing the entire system (Sending data from the sensors, through the gateway, and make it to the final destination) on Tuesday since the power system needed to be completed.

Martin Kariuki:

I am continuing to collect data form the sensors. I purchased some 1mm thick plexi to see if this will help in receiving a cleaner output for the Time of Flight sensor.

Alexander Chiem:

I have the power system and got it connected. I only have a small amount of actual power consumption, since I am running into an Arduino particular issue where the battery and USB can NOT be connected. This prevents me from monitoring the output as I monitor the actual power consumption.

Max Burrell:

I am continuing my power system independent research.

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

|  |  |  |  |
| --- | --- | --- | --- |
| Team Member | Assignment | Due Date | % Complete |
| Alex Chiem | Collecting power consumption values. | 04/30/2022 | 10% |
| Damian Avery | Testing the entire system. | 04/30/2022 | 70% |
| Martin Kairuki | Sensor Data Collection | 04/30/2022 | 90% |
| Max Burrell | Power System Research Continuation | 04/30/2022 | 90% |

Plan (future work):

|  |  |
| --- | --- |
| Assignment | Due Date |
| Full operation of system | 04/30/22 |
| Create housings for the Packages | 05/07/22 |
| Conclusion to the Sensor Package | 04/30/22 |

Issues:

We currently have no issues.

Include the schedule for the next meeting:

Meeting Date & Time: 05/01/2022 5:00pm

Meeting Location: John Bardo Main Lobby