Team Name: Collaboration Team

Date of Submission: 09/26/2021

Meeting Date & Time: 09/26/2021 3:00 pm

Meeting Location: Virtual (Microsoft Teams) and Physical

Meeting Duration: 60 minutes

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

Progress:

Team accomplishments for the week: On 09/19/2021, we all came together to express the information we researched. We grouped up with another team of five computer science majors, who are doing the software side of things along with myself, to do it all as a mass project. Coach will be having high expectations, considering since he is fine with both teams working on the project. We concluded that the best application will be through magnetometers and inductive loop technology, much like traffic light technology.

We also found out that other organizations have applied this idea already. Thus, now is the goal to make refinements to it and to apply it in areas that don’t have it utilized, and at an effective cost. We’re more than likely going to apply it with our local universities in Kansas first, if we succeed, since that demographic doesn’t utilize it for their parking lots. We all still believe that we can succeed, and it will be a great deal of hard work. We all believe it will be worth it though.

Otherwise, we are all individually busy, but we all have each other’s schedules and progress into the project. No manual has been started. We do have a prototype that we’re currently working on. Some of us have gathered hardware components and will be piecing that together for a prototype, or test subject, as soon as possible.

Individual contributions:

Damian Avery:

Gathered a great portion of the research. He found out that there are organizations that have utilized the idea. However, their products are expensive from what he has found out. The goal now is to build at an effective cost, while making it better than competitors.

Martin Kariuki:

Gathered a great portion of the research. He found out that the idea/technology already existed, though Damian found the competitors. Also, he has found and ordered hardware elements to the project so he’ll have our supplies very soon.

Alexander Chiem:

Essentially the same exact thing as everyone else. He has also ordered some of the hardware elements to help relieve the cost incurred on Martin.

Max Burrell:

Has only proposed ideas and has submitted some of the work for the group. I’ll be awaiting everyone when it’s time for me to program or to help physically build the prototype.

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

|  |  |  |  |
| --- | --- | --- | --- |
| Team Member | Assignment | Due Date | % Complete |
| All Members | Project Proposal, resources to utilize | 09/12/2021 | 100% |
| All Members | Individual Journal(s), Research, Prototype Build | 10/01/2021  10/08/2021 | 65% |

Plan (future work):

|  |  |
| --- | --- |
| Assignment | Due Date |
| Individual Journal | 09/26/2021 |
| Project Planning Paper | 09/26/2021 |
| Individual Journal | 10/03/2021 |
| Midterm presentation | 10/01/20201  10/08/2021 |

**Issues:**

Work and Job conflicts with some members (but we’ll get it done).

**Include the schedule for the next meeting**:

Meeting Date & Time: 10/03/2021 1:00pm-TBD

Meeting Location: Microsoft Teams and/or John Bardo Center at Wichita State University