CPRE/SE/EE 491 Weekly Report 3

Date: 2/13/17

Group Number: Dec1714

Project Title: AR Monitoring System

Client: Andrew Guillemette

Advisor: Dr. Johnny Wong

Team Members/Roles:

Arbaaz Khan (Leader), Nipun Dayanath (Communication), Dheeraj Nalluri (Communication), Sam Altier (Key Idea Holder), Patrick Mosebach (Webmaster), Ben Meis (Key Idea Holder)

Weekly Summary:
We met as a team on Wednesday to discuss permanent meeting dates and helped each other get set up with the software needed on the project.

We met with Andrew on Friday in order to talk over more in-depth the scope of our project and initial approaches we could take.

We met as a team on Sunday in order to set up a Trello board and to populate it with initial tasks. We also discussed various planning topics like how the application will be structured. We talked about security issues and came up with API calls that would be used in our initial user authentication. We started a new sprint with tasks that we would like to be completed by the end of the week. Came up with a list of questions for Johnny Wong.

J Wong
Where is a professional and secure place to host our server?
What system would you recommend for us to use in-cabin (raspi, TI, airhawk)?
Have you worked with raspberry pi?

Guilli
How is in-cabin system powered?
What specific vehicle are we going to be working on?

Pending Issues:
- Obtain hardware schematics for gimble
- Obtain a development server for hosting services

Individual Contributions:

Name	Individual Contributions	Hours this Week	Hours Cumulative
Arbaaz Khan	Meetings, installing software, hardware research	7	17
Nipun Dayanath	Meetings, installing software, setup api framework	6	16
Dheeraj Nalluri	Meetings, installing software	6	19
Sam Altier	Meetings, installing software	6	16
Patrick Mosebach	Meetings, installing software	8	18
Ben Meis	Meetings, installing software, hardware research	9	17

Plan for coming week:

Hardware: Selecting a gimbal. Sketch up basic wiring diagram. We are in the process of researching the right type of mount/gimbal we are going to be using for the camera. The type of mount we are looking for is one the is compatible with a GOPRO camera. While researching we are designing possible layouts for the hardware setup.

Software Dev: Work on getting a login application workin on the hololens and maybe some experiments that use some functionality. Set up development server and git repository. Meet Tuesday at 9:30 at the library to discuss application architecture.

Summary of weekly advisor meeting:
We did not have a meeting with our advisor this past week, however we have set up permanent meeting times with our advisor and company sponsor. This allows for us to properly plan for these meetings and to be able to properly discuss topics and questions.