**Date - 10/08/2022**

**Attendees –** Achyuth Kolluru, Shane Clanton, Brandon Kieng, Tiffany Peng, Christian Guiang

**Team 315**: **Vision System to Detect Product Loss in Tomato Harvesting**

**Discussion:**

*Discussion of achievements since last reporting.* This section follows the progress of the tasks:

1. Some of our team members went out to another farm to collect more data.
   1. Saw where the camera was going to be mounted on the back of the harvester.
   2. Saw the tomatoes in a different color of soil.
2. Acquired video data from mentor.

Etc…

**Action Items:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Tasks (What)** | **Who** | **Due dates** | **Status:**  **Newly assigned /**  **In-progress / Complete** | **Notes:** |
| Talk with Santosh | All | 10/28 | Completed | We wanted to talk with Santosh on how we should approach our project on developing a model.  We had questions regarding we should have a AWS account or a google collab account or to run the model locally on a computer.  We have concluded that it is best to run it locally but if problems do arise, we will switch to google collab so that everyone can contribute to creating the model. |
| Get night data from mentor | Achyuth and Shane | 10/28 | In-progress | Achyuth and Shane need to meet with the mentor to be able to get the night data that has been collected for the past week.  Once we have night data from mentor, we hope to be able to use at least 5 gigs of the data for our model.  From there we hope to classify a model that is able to identify tomatoes at night. |
| Figure out how to implement Tiny YOLO, which is a real time object detector. Which was created to improve the speed of 2 stage object detectors. | All | 10/28 | In-Progress | We have an understanding as to how to use YOLO but we need to be able to create or own classifications from the collected data that we have. |
| Implement code to  transfer data form  application to  database | Tiffany, Brandon | 10/28 | In-progress | Change the way the excel sheet will be recording data. Now we want to be able to implement a time along with a much more significant tomato count. |
| Finish up lab 4.2 and turn it in by the deadline. | All | 10/28 | In-progress | Make sure we have answered all the questions pertaining to lab 4.2 report. |

**Next steps:**

Specify your plan for the next meeting in this section.

* Get night video data
* Finish classifying tomatoes to be able to create a model.

Etc…