

WEEKLY REPORT and MEETING AGENDA

Report #:8 _____ Project Name: Traffix Object/Lane Detection - 2A1 _____
Date:11/07/2022 _____ Prepared by: Pavan Poladi _____

Agenda for the weekly meeting

1. Talk about what we have accomplished thus far.
2. Ask about whether Instructor is happy with our progress.
3. Ask any clarifying questions we have about project success metrics/grading.
4. Talk about what we aim to accomplish this week.
5. Set up times with professor or instructor to get help if needed.

Accomplishments during this period

1. We completed a minimum viable product by being able to successfully run the BDD100K dataset using the HybridNets detection model in the ROS system.
2. We created a step-by-step tutorial/documentation on how to run the image_subscriber.py file which runs HybridNets on ROS.
3. We were all able to set up our new organized environments apart from Viet because his laptop is currently having issues.
4. We made final changes to the CDR document and submitted it.
5. We had a successful CDR presentation and received good feedback.
6. Fixed the color filter differences between ROS and HybridNets models.

Plans for next period

1. Begin Debugging our codebase to enable roscore to work as intended.
2. Add functionality to have output images display on ROS GUI.
3. Make the bounding boxes more apparent to the eye.
4. Try implementing ONNX-HybridNets as alternative option for users.
5. Figure out how to retrieve the accuracy readings to create data comparisons.

Project management status

1. Schedule and milestones: We finally have a minimal viable product as we were able to run the BDD100K dataset using HybridNets on the ROS System.
2. Teamwork: Team is working well but are having to adjust as Viet's laptop is not working.
3. Purchases: No new purchases have been made beyond one Google Collab Subscription (\$10 a month)

Minutes from previous meeting

- There was no team meeting with the professors last week because we had our CDR presentations on Monday October 31st.