WEEKLY REPORT and MEETING AGENDA

Report #: 6___ Project Name: Traffix Object/Lane Detection - 2A1_____
Date:10/23/2022_____ Prepared by: Pavan Poladi_____

Agenda for the weekly meeting

1. Discuss potential of using ROS support uploaded to HybridNets repository.
2. Discuss progress made thus far.
3. Ask professors if they believe we are on track.
4. Ask questions about CDR document and presentation.
5. Ask about how other teams are doing compared to us.

Accomplishments during this period

1. Discovered that the HybridNets developers have uploaded ROS support using ONNX. This in a very early stage.
2. We got HybridNets to run on sample images correctly through imports found on Pytorch documentation. This is very promising!
3. We finished most of the CRR document.
4. We finished most of the CDR presentation.
5. We created a plan moving forward, where Jason will test new ROS support and rest of us will continue with our original goals and work.

Plans for next period

1. Integrate working HybridNets imports and code in ROS.
2. Made additional progress on the package we are building for easy configuration.
3. Finish CDR document.
4. Finish CDR presentation.
5. Meet to do a couple run throughs of presentation.

Project management status

1. Schedule and milestones: We have learned how to change displayed images in ROS GUI and have working HybridNets code. We are Ready to begin integration.
2. Teamwork: Team is working well and meeting expectations
3. Purchases: N/A

Minutes from previous meeting

- Discussed previous capstone project repository and how it can aid in development.
- Discussed other useful libraries that can aid in development.
- Discussed discovery of pytorch HybridNets import options found in Pytorch documentation.
- Discussed how we were able to add a gray box to ROS's displayed images showing our basic understanding of subscribers and publishers.
- Talked about how we would continue getting the HybridNets model working and adding progress to building a package for our work to be configured.