**WEEKLY REPORT and MEETING AGENDA**

Report #:11 Project Name: Traffic Object/Lane Detection - 2A1

Date:11/27/2022 Prepared by: Khai Nguyen

| Agenda for the weekly meeting |
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| 1. Discuss progress fulfilling final requirements on ROS 2. Testing the model in terms of timing and accuracy. 3. Discuss development of Docker file 4. Ask question about rqt run in vnc. |
| Accomplishments during this period |
| 1. Finished and showed ROS message published 2. Improved documentation of the project through README 3. Fixed bug in output image to have correct detection with more information displayed 4. Progress made on Final Report 5. Continued progress made on Dockerfile 6. Made plans for how to compare accuracy from YOLO and HybridNets |
| Plans for next period |
| 1. Make more progress on the final report 2. Make our ROS node run faster and more accurate 3. Run system to get comparison data of YOLO and HybridNets (on MCity1.bag, cart bag, and small set on BD100k dataset) 4. Update README documentation. 5. Finish dockerfile 6. More testing on running models |
| Project management status |
| 1. Schedule and milestones: Major progress on ROS node, demo status, and final report. 2. Teamwork: good tasks management and pair coding |

| Minutes from previous meeting |
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| * Debugged our codebase to enable roscore to work as intended. * Attempted to make the bounding boxes more apparent to the eye. * Attempted to implement ONNX-HybridNets as alternative option for users. * Learned how to retrieve the accuracy readings to create data comparisons. * Progress made on ROS messages and retrieving evaluation data * Progress made on final report |