WEEKLY REPORT and MEETING AGENDA

Report #:   5   Project Name: <u>Traffic Light Detection and Tracking</u>
Date: <u>3/7/23</u> Prepared by: <u>Aaryan Shenoy</u>

Agenda for the weekly meeting

1. Start working on tracking
2. Look into ByteTrack algorithm for object tracking
3. Discuss progress with instructors
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8.

Accomplishments during this period

1. Made draft detection model that detects traffic light color
2. Found our model works well on LISA dataset and has problems with ROS bag files
3. Concluded that the model's problems are caused by higher resolution of ROS bag images
4. Able to access Bag files that can improve dataset and classifications
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Plans for next period

1. Complete Roboflow labeling with ROS dataset
2. Add dependencies to Dockerfile
3. Refine dataset and classification training
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Project management status

1. On track to complete planned items
2. The entire team attended the meeting and are communicating progress effectively
3. No new purchases
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Weekly Report Form. CSCE 482 & CSCE 483

2/28/23

Members present at meeting: Aaryan, Robert, Clayton, Morgan, Max

- Discussed about ROS message output format
- Told that information about the message outputs are linked in our Google Classroom
- We should give bounding box and labels in left to right order in our output
- For first model training, we should use LISA dataset
- For next model training, use half of the ROS bag files and keep other half for testing
- Evaluate model performance on ROS bag files