



# Meeting - 03/07/23

👤 Participants	Ⓒ Gilles Myny 🍰 Kareem Assad Ⓐ Joshua Ⓕ Frank
👤 Created By	Ⓒ Gilles Myny
📄 Type	Professor Meeting
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📅 Date	
📄 Status	

## What did we do last week?

- **Gilles**
  - Reviewed all 950 images in the dataset one by one to remove hurtful data, false annotations, and edit bounding boxes to fit the shape more accurately.
    - Resulted in an accuracy increase:
      - Stop Signs - 50% to 80-90%
      - Yield Signs - 30% to 70-85%
        - Resulted in lower accuracy and detection rates for Red Lights, Green Lights, Amber Lights, and Advanced Green Lights due to a lack in data, all data present is accurate but due to the lighting conditions that vary heavily between videos and colours of the frame of Traffic Lights it is detecting them with less accuracy and less detection rates.
    - Fix: Gather more data from Pi Camera, Cell Phone Camera, and Online Dash Cam Videos to supplement dataset

- **Josh**
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- **Kareem**
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- **Frank**
  - Different ways of evaluating the overall condition of the road.
  - Compare potholes to state of the art.
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## What are we doing this week?

- Pickup the poster board and begin making documents and slides to print and put on Poster Board for Poster Fair
- Begin working on Final Report Draft

## Potential blockers?

- Josh, Frank, and Gilles have informed the SYSC 4120 professor of our conflict between the Poster Fair and a lab session running from 2:30PM to 5:30PM, the professor will make accommodations and inform us soon

## Action items

- ☐ REPORT: compare our results to state-of-the-art models out there
- ☐ REPORT: Mention what didn't work with cable barriers.
  - ☐ Mention in the conclusion not to rely on this system for this.
- ☐ REPORT: Focus on steel beam barricades + Concrete Barricades
- ☐ PRESENTATION: Print out pictures of barricades/signs/cones and try to get mini cones for the RPI demo