Ahmedabad University

CSE 541 Computer Vision

Instructor: **Mehul Raval**

Progress Report:

Vehicle counting and classification

Week 3

Group Details:

Roll No.	Name of the Student	Name of the Program
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Task performed

- Researched about how to capture frames in a video and use it to detect vehicles
- Also searched about different approaches like using convolutional neural network and etc.
- Found a bunch of libraries that we will use for counting and classification of vehicles

Outcome

- Got ready with libraries that are going to be imported
- Started to write the function in google collab

Task for the upcoming week

- Research about different algorithms for counting vehicles and at the same time classifying them.
- Working on the accuracy of different layers and to short list what layering to implement

References

https://www.sciencedirect.com/topics/computer-science/vehicle-detection
https://www.analyticsvidhya.com/blog/2021/12/vehicle-detection-and-counting-system-using-opencv/
https://towardsdatascience.com/vehicle-detection-and-tracking-44b851d70508