Ahmedabad University

CSE 541 Computer Vision

Instructor: **Mehul Raval**

Progress Report:

Vehicle counting and classification

Week 2

Group Members:

Roll no	Name	Program

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Task:

● Researched about different datasets and selected a few datasets that fit to our goal of vehicle classification and these datasets contain basic images of vehicles to detect the shape of the vehicle.
● Created mind maps on miro to understand the flow of our approach and to get clarity in the project.
● Viewed different projects and their approach for reference

Outcomes:
● Started to document the approach for the vehicle classification

Task for the upcoming week:
● Research to deal with accuracy of the vehicle classification
● Analyzing the dataset and how to train our model and integrating the dataset and functions that we will create.
● Research about how to deal with moving vehicle on road
● Find different libraries that have to be used in order to implement the project

References:

https://www.kaggle.com/sshikamaru/car-object-detection

https://public.roboflow.com/object-detection/vehicles-openimages
https://etrr.springeropen.com/articles/10.1186/s12544-019-0390-4
https://classes.engineering.wustl.edu/ese205/core/index.php?title=CV_Chess
https://vision.fe.uni-lj.si/cvww2016/proceedings/papers/21.pdf