Ahmedabad University

CSE 541 Computer Vision

Instructor: **Mehul Raval**

Progress Report:

Vehicle counting and detection

Week 1

Group Details:

Roll No.	Name of the Student	Name of the Program
AU1940145	Anar Bhagat	BTech ME
AU1940098	Manan Anjaria	BTech ME

AU1940225	Vedanshee Trivedi	BTech ME
AU1920082	Yuvraj Patel	Bsc CS

Task

- This week we researched different CV projects to short list the number of projects we are interested in implementing.
- We finalized our project
- Conducted research regarding the pros and cons of implementing the project.
- We identified the need of the project
- We researched and explored multiple datasets

Outcomes

- We figured out our approach for to solve our problem
- Found different datasets in order to training our model to classify the vehicles

Task to be performed in the upcoming week

- Finalize the dataset
- Research more regarding the approach that is chosen
- Proceed with report format and create an abstract in order to set a predefined approach for the project and setting an aim to achieve.

Referenced Links

Sullivan, G. D., Baker, K. D., Worrall, A. D., Attwood, C. I., & Remagnino, P. M. (1998, May 19). *Model-based vehicle detection and classification using orthographic approximations*. Image and Vision Computing. Retrieved from https://www.sciencedirect.com/science/article/abs/pii/S0262885697000097

Kazakov, I. (2017, May 29). *Vehicle detection and tracking*. Medium. Retrieved from https://towardsdatascience.com/vehicle-detection-and-tracking-44b851d70508

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