PROJECT REPORT – 05-06-2019

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Problem Statement :

* Estimate the traffic flow (density) from input data.
* Find the distance of objects from camera focal lens based on view point.

Workflow:

The flow of the application constructed so far:

Accomplishments till now:

* Till now we are able to subtract the background to extract the foreground
* We are also able to enclose each entity in the foreground in a bounding box

Remaining Work:

* We have to track the entities in the foreground
* We have to categorize the entities in the foreground into separate classes.
* We have to find the distance between the entities
* We have to make recommendations based on the distance estimated

Challenges / Observations:

* Elimination of person shadow and Illumination effect
* Multiple contours detected for the same entity
* Occlusion between vehicles
* Remodifying the threshold part and counting the contours based on the frame
* Converting BGR to RGB instead of Grayscale and observe the if the noise has decreased and if contour detection has become more accurate