

Problem statement 4

Vision based automatic detection of accidents on highways:

Background:

Surveillance cameras are capturing movement of vehicles on highways and are being monitored by operators in the central monitoring station. Watching the screen continuously by operators is a tiresome task for 24/7 operations. So, when accidents occur on the highways, , they go unnoticed.

Challenge: To devise an automatic accident/incident detection system and to generate SMS messages and be sent to the concerned personnel in real time without any human intervention.

Data sets references: Kaggle data set

Evaluation parameters:

Understanding the problem statement	10 pts
Methodology adopted	20 pts
Generating data sets	20 pts
Code efficiency	20 pts
Demonstration of the results	20 pts
Feasibility of building prototype	10 pts
Total	100 points