

## CODS-T143 (Kushagra Singh)

### Road Accidents-

- ❖ Problem Statement- There is drastic increase in road accidents over the years particularly in India, providing effective solutions to curb such accidents and enhance the safety of the people on the roads.
  
- ❖ Some solutions to ponder upon –
  - Technology has proven a boon in keeping tracks of keeping data and stats about the accidents happening at different sites....so the driver should be immediately informed through a voice message that he has entered a zone which is prone to frequent accidents.
  - A chip should be mandatory to be installed on all cars and an ML based system should keep track of whether they are overspeeding ,is the car running on the wrong side of the lane,whether the car is frequently skipping the signals,3-4 cameras depending on the size of the vehicle should be installed on the exterior of the vehicle which lets the system know whether the car is overtaking from the incorrect side .
  - A camera should be installed on the dashboard of the car and facing the driver primarily on the vehicles such as cabs,autos,transport vehicles which run excessively even in the night.A

warning should be issued if the camera finds out tiredness in the eyes based on ML, too often blinks, phone use or any other distraction such as drinking while driving. The driver should be asked to pull the car over and freshen up and avoid the forbade activities while driving.