PROBEM STATMENT

The problems occurring on the road where peoples are not following rules as government cannot reach in every corners.

DESCREPTION

India being a very large country it is really tough to manage the traffic in every place of the country which leads to increase in accident as road rage. It is even tough to manage police team everywhere and installation of traffic signals for local areas will be expensive to a country.

SOLUTION APPROACH

The solution of this problems can be a Bot which is able to read the number plate is able to detect the speed of a vehicle and is able to detect the rush of vehicle of a rode in the distance of 5km we can keep such bots with their charging dock where their is the high volume of vehicles and it will wander around in the area of 5km when it is fully charged. It will take the images who are breaking the rules and over speeding.

Further we can also take it to a point where they will be connected to the database of the transport department and has the access to the data of the area and vehicles and their all details as tax and all, and the image detection will work as driving license checker.

And the tra c police will check all the details given by the bot so no more excuses of rain and sun no more brides a clean and clear system as all the pull over tickets will be paid online.

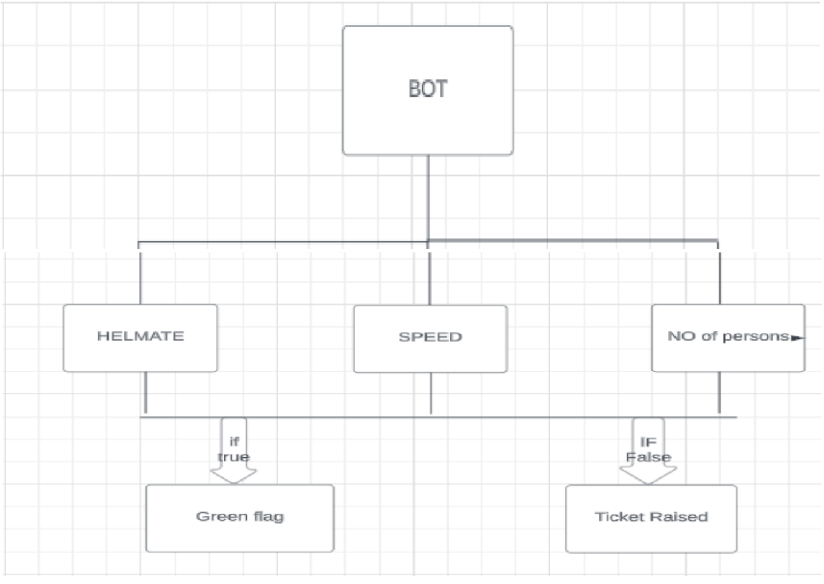
Once we get more advanced we can use humanoid robots to replace the bots who can even pull over the drivers.

TECHNOLOGY STACK.

We are using a robot technology with the concern of government to minimize rode accident and unnecessary loss of the government in the tickets.

A bot of height around 60-70 cm with a camera on top with wheels will move around having a high capacity batteries and wireless GPS connectivity it will check the speed and safety gears and number of peoples on it if it don't matches the statement a ticket will be raised on the bike number. In case if they hide their number plate it'll go back them and take all the image of bike and driver for analysis.

ARCHITECTURE DIAGRAM:


BOT
HELMATE
SPEED
NO of persons
if
true
IF
False
Green flag
Ticket Raised