Driver Warning System

**Main Aim :**

1. Visual Input 🡪 Vocal Output

**Input :**

Video input

* Brake it into frames
* Process the frames
* Apply the algorithm
* Get updated frames
* Output the frames in a single video

**Methods to tackle the problem statement:**

**Part 1 : Traffic Signs, Traffic signal, Crowd detection**

* Collect large data-sets
* Scaling all the pictures to a particular size (n x m)
* Training a model using the datasets using deep learning modules
* Saving the model
* Implementing it in the problem statement

**Part 2:** **Developing a text to speech chatbot**

* Using google text to speech python module (gTTS)
* Making several test outputs and implementing it into our neural network
* Making a GUI or an App or an Website

**Part 3:** **How to collaborate :**

* We can use github to collaborate and change our code from anywhere
* We make our codes into functions and modules and uplode it into github and make a master repo