**OBJECTIVE - Our aim was to 1st detect the traffic light position and then its colour so that the pedestrian whos not able to see the light can get to know the correct time when to cross the road and when to stop.**

**APPROACH-**

**Object detection** is a computer technology related to computer vision and image processing that deals with detecting instances of semantic objects of a certain class (such as humans, buildings, or cars) in digital images and videos. Well-researched domains of object detection include face detection and pedestrian detection.

1st we made a code which could detect the traffic light

After traffic light pole detection the next task was to identify the colour of the traffic light using open CV and python.

**TECHNOLOGIES USED-**

This prototype is made by the use of computer vision technology using open CV, darknet, numpy libraries using python

**APPLICATIONS-**

This project can find its use in the self driving vehicle industry and it can be a vital and useful for the blind people to become self dependent.

**FUTURE ASPIRATIONS-**

In near future we would like to work on the prototype and make an user interface that can be handy and portable to be used in daily life.