

# PROJECT

## ABSTRACT

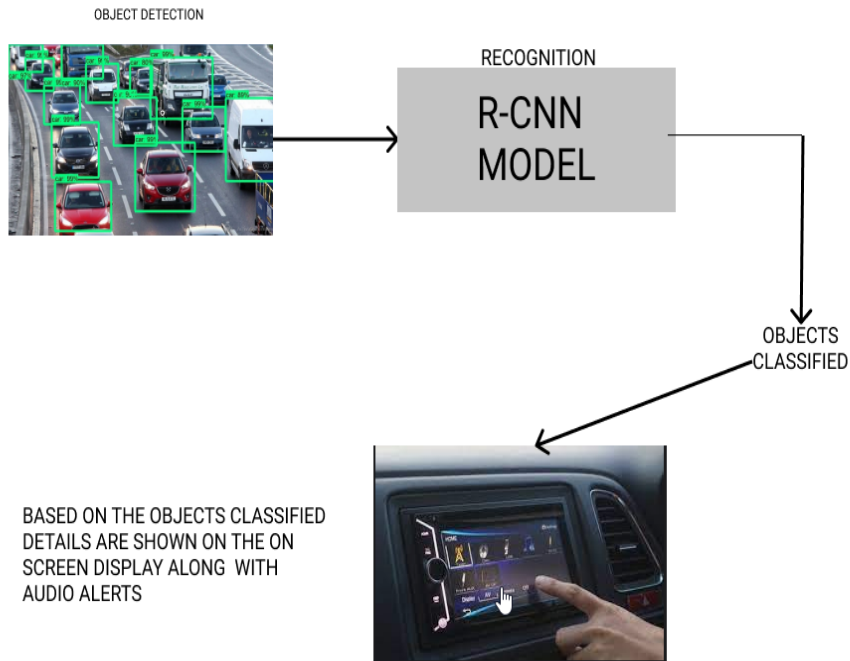
### PROBLEM STATEMENT

Due to increase in population, number of vehicles on the road has increased. Also there is a rush on the road specially at traffic while crossing signals. At traffic signals there is always high chance of accident due to breaking traffic rules by drivers and pedestrians. Therefore to insure safety at road it is important to manage it well and continuously monitor it

### OUR SOLUTIONS

One solution of these problems may be if a system should detect persons walking beside road/ crossing signals, vehicles passing through street, traffic signs such as speed breaker, speed limit, U-turn prohibited than and help driver by converting detected objects into audio signals so that even if driver can not see objects system wolud remind them. This concept can also be used in automatic driving applications. This system can also be used to monitor traffic on the road.

## A BASIC WORK FLOW



## SOFTWARE/TECHNOLGICAL REQUIRMENTS

- 1) Deep learning based image recognition
- 2) Python
- 3) Tenserflow
- 4) html css for front end

## TEAM MEMBERS

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