

# ROADSIGN NOTIFIER

Objective: To create a system that allows cars to be notified of road signs, speedbumps, barricades, traffic signals etc automatically without the requirement of visual perception.

Advantages:

- Will help make drivers aware of road signs/traffic lights, especially in the event of lack of visibility.
- Will help in implementation of self-driving cars or safety measures like auto brakes.
- Will be able to help accommodate colour-blind drivers.
- Mass implementation will make it easy for cars to detect each other.

Idea: The general idea will involve transmitters attached to all the things on the road we want the driver to know about. Once the driver approaches close to the point of interest, they will be notified of its existence. For example, once the driver approaches a speed limit road sign, a screen installed in the car will immediately show all the details regarding the sign and will also show how long it is valid for (if applicable). Or, they will be told that a traffic light in red state is coming up ahead so they should slow down. The notification will be delivered with an audio cue and a screen message.