

**PROJECT TITLE :**

**AREA SPEEDING CHECK**

**TEAM NAME :**

**WE ARE TAMILANS**

**PROJECT ID :**

**8314**

**COLLEGE NAME :**

**VELALAR COLLEGE OF ENGINEERING  
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## **AIM**

To reduce road accidents due to over speeding of vehicle by designing and developing a compact system at low cost.



## CASE STUDY

Indian roads, which account for the highest fatalities in the world, became yet more dangerous in 2015 with the number of deaths rising nearly 5% to 1.46 lakh.

This translates to 400 deaths a day or one life snuffed out every 3.6 minutes, in an expert described as a "daily massacre on our roads".

According to provisional police data provided by states, Uttar Pradesh recorded the maximum number of road deaths (17,666), followed by Tamil Nadu (15,642), Maharashtra (13,212), Karnataka (10,856) and Rajasthan (10,510).



# EXISTING METHODS AND ITS DRAWBACKS

## 1) Radar

separation of vehicle type(car,bus,..) is not possible  
less usage comfortable and high cost

## 2) Ladar

need clear air for operation

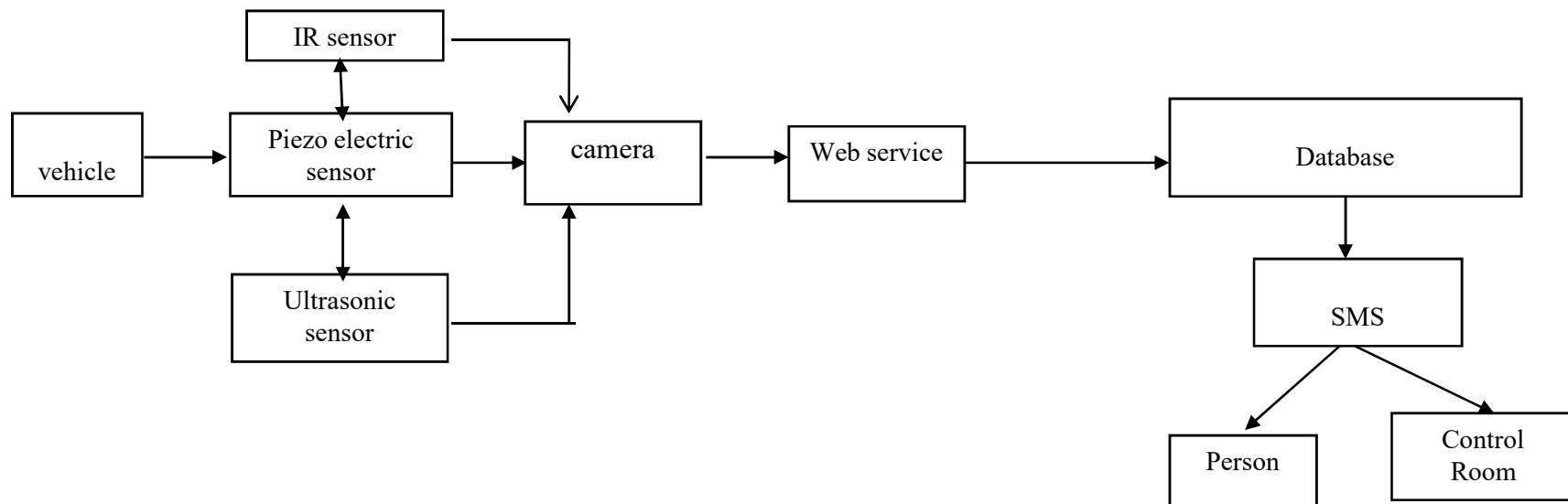


# ADVANTAGES

- Cost Effective
- Various vehicles can be identified easily
- Durability of sensors used here are high
- Easy for implementation

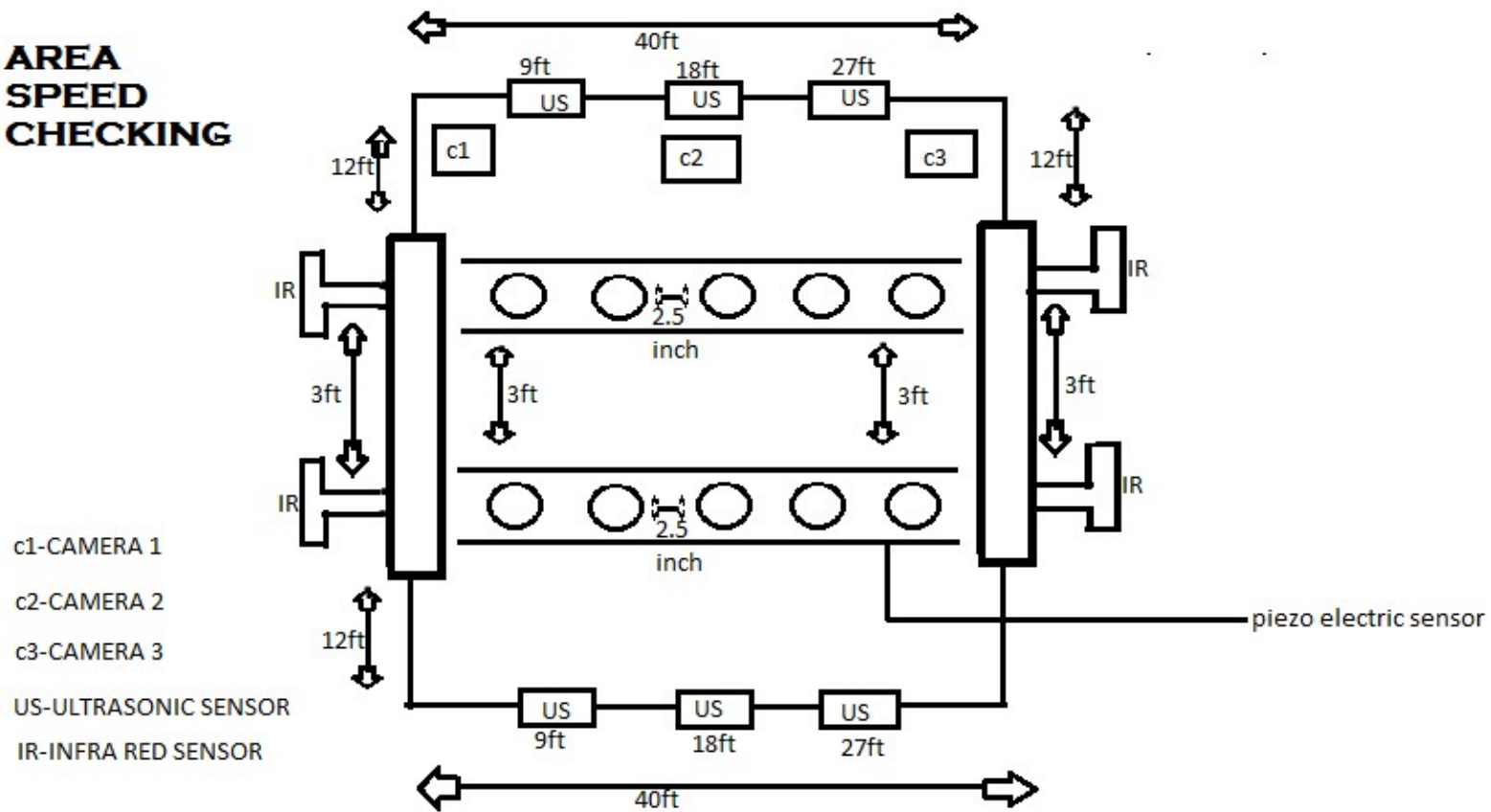


# PROTOTYPE IMPLEMENTATION:



# REAL TIME IMPLEMENTATION PLAN

## AREA SPEED CHECKING



## BUDGET FOR PROTOTYPE MODEL:

COMPONENTS	QUANTITY	PRICE
ARDUINO MEGA 2560	1	1200
PIEZOELECTRIC TRANSDUCER	10	100
IR SENSOR	2	140
ULTRASONIC SENSOR	2	200
1SHEELD+	1	4500
Extras	-	500





## CONCLUSION:

- In previous slide, we have shown the statistical report of accidents that had occurred mainly due to over speed and such accident increase day by day as per the report of Indian ministry of road and transport.
- By implementing the system that we have proposed with the help of Ministry of Road Transport and Highways ,we able to minimize such accidents .

