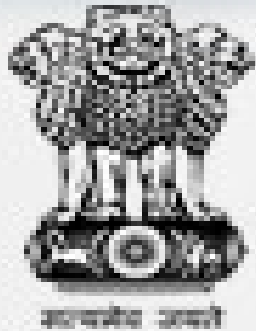
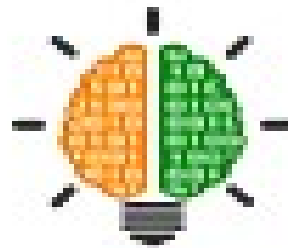




SMART INDIA HACKATHON '17



Ministry of Road Transport and Highways



**SMART INDIA
HACKATHON '17**



World's Biggest Hackathon



Sri Ramdeobaba College of Engineering & Management
NAGPUR





BRAINY GROUND BREAKERS



TEAM LEADER

PAVITHRA. J

TEAM MEMBERS

PAVITHRA. G

PREETHI. R

MEENATCHI. K. V

POORNIMA. T

KEERTHANA. K

MENTORS

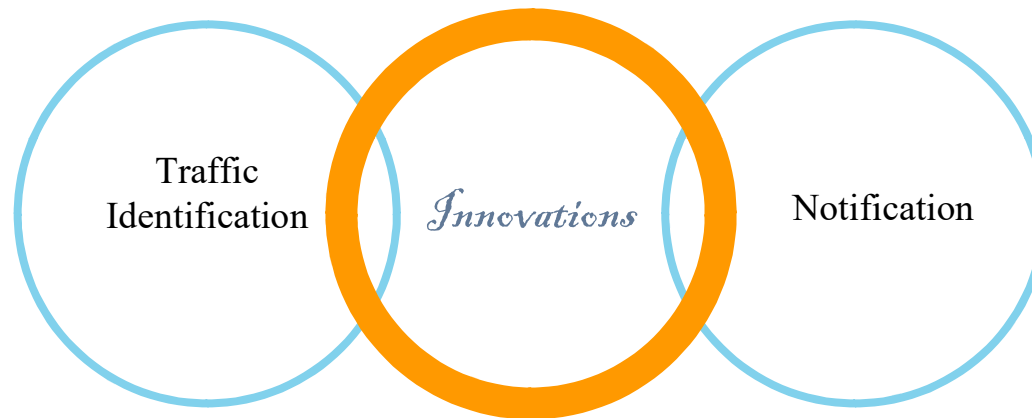
REVATHY. P

BHUVANESWARAN B





PROBLEM STATEMENT



SOLUTION



The solution to the specified problem is :

- ✓ Detecting the Huge traffic using PIR motion sensors.
- ✓ Notifying the traffic to the near by users via GSM module controlled by Raspberry Pi.
- ✓ Real time data are stored in Cloud.
- ✓ Identifying the accidents and intimating to the user through mobile App.
- ✓ Emergency vehicles are operated signal free based on their request through Mobile App.
- ✓ Prediction of traffic for the system users using Big data.

INNOVATION

# OF INNOVATIONS	PURPOSE	TECHNOLOGY USED
#1.	<i>To detect and notify the huge traffic Motion sensors and GSM modules are used. All of these is controlled by Raspberry Pi, which detects the traffic congestion and sends notifications about the traffic to the nearby travelers.</i>	IoT
#2.	<i>Implementing accident alerts and accident notification.</i>	Mobile App
#3.	<i>Analyzing and Predicting the traffic based on the users history.</i>	Big Data
#4	<i>Live data storage</i>	Cloud (AWS)

Benefits to NATION



- ❖ Save fuel .
- ❖ Less Pollution.
- ❖ Smart Travel.

SIGNIFICANCE TO THE MINISTRY



- ❖ Accurate prediction.
- ❖ Accident Notification .
- ❖ Local traffic diversions.
- ❖ Regional language notifications.
- ❖ Priority to Emergency vehicles.



ELEVATOR PITCH

Establishment

No. of Signals = 528
Cost for setting
In One signal } = 10000
Cost for setting
In 528 signals = 52,80,000
Cloud storage = 40/hr
Storage Cost/mon = 28,800

Total Cost = 53,08,800

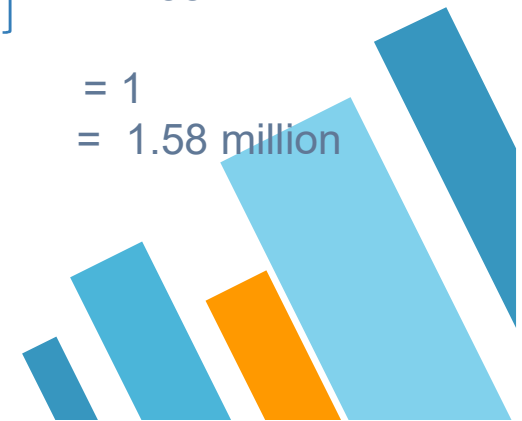
Maintenance

Cloud storage = 30,000

Earnings

No. of population = 7.088 million
No. of users = 2.36 million
Avg. Number
Of users } = 1.58 million

Cost per user = 1
Total profit = 1.58 million





OUR SYSTEM IS EASY

