

College / University : Sri Venkateswara university college of Engineering

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Project : SISLON

## **Primary Objective of your Idea:**

" My Idea is to prevent the delay of travelling time of ambulance to reach hospital in time.so we can reduce the casualties and save lives"

## **Vision and Scope of your Idea**

Helps in saving human lives and with less cost have high profits

# **Purpose of your Idea – How will your idea solve the problem ?**

I want to solve problems occur in heavy traffic like ambulance stuck in highly dense areas

- we can solve the problem by detecting siren sound and image by setting devices in highly populous areas, high accident prone areas and near traffic lights.
- In case of patient in ambulance, we can detect the ambulance occurrence and send the signal to near traffic police to clear the traffic and make certain sound near traffic light to ensure the way to ambulance.

## **Your App / Product / Web Service Operational Details –** (How will it function / usage)

- we use camera and frequency detecting sensors to detect siren sound and image by that setting devices in highly populous areas, high accident prone areas and near traffic lights.
- We will place devices 10 meters apart from traffic signals and other area to ensure the change of direction in case traffic is more
- The devices detect the siren sound and ambulance light images and send the signal to near traffic police to clear the traffic and make certain sound near traffic light to ensure the way to ambulance.
- In case of traffic will not be normal traffic police or detection device send again another signal to change direction

## **How will you build or develop your idea (POC) ?** (Language used for coding / resources used / reference point / technology adapted etc.)

- We can use camera and sound detection sensor modules for hard ware
- Using Machine learning, We can build object detection and speech recognition software in python using tensorflow frame work
- Collecting data of ambulances sirens and siren sound, we can train and test the datasets
- Signal transmitter uses network(like modem) to send signal to near traffic police or other device to clear traffic using any sound

## SWOT Analysis:

Strength	Weakness
Helps to reduce casualties and save lives	Easy malfunction in case of bad weather
Low cost and high reliability	Works on battery
High flexibility	humidity

Opportunity	Threat
High profits	In cases of multi accidents and other conditions is not favourable to sislon
Increase in in utilization of roads	

## Market need analysis and feasibility of your idea

- With low budget it can save lives of many
- Those few minutes is very precious for human life
- With low budget it can have high profits
- Feasibility is more
- Increases productivity



THANK YOU