

# *A basic algorithm of keeping Social Distancing in crowded areas*



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keeping Social Distancing in crowded areas

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01

## keeping Social Distancing in crowded areas

### Social Distancing :

A set of non-pharmaceutical intercessions or measures expected to avoid the spread of an infectious malady by keeping up a physical separate between individuals and decreasing the number of times individuals come into near contact with each other.





## 02

# THE AIM

The purpose of the *basic algorithm of keeping Social Distancing in crowded areas*

An approach to build a robot that notify those who are not keeping the allowed social distancing in crowded areas to avoid infecting with coronavirus . Applying this method ,individuals who violate the law will receive a warn to follow the allowed distances to achieve the health and safety purposes .



## 03

# The technique

The mechanism of *the algorithm of keeping Social Distancing in crowded areas*

The technique will use :

- **Bluetooth beacons :**

Hardware transmitters class of Bluetooth IOW energy devices that broadcast their identifier to nearby portable electronic devices.

- **Mobile phones :**

Bluetooth beacons get information about a person's location and then send them alerts via mobile.

*The flowchart will clarify this technique further..*

### *Stages of Work :*

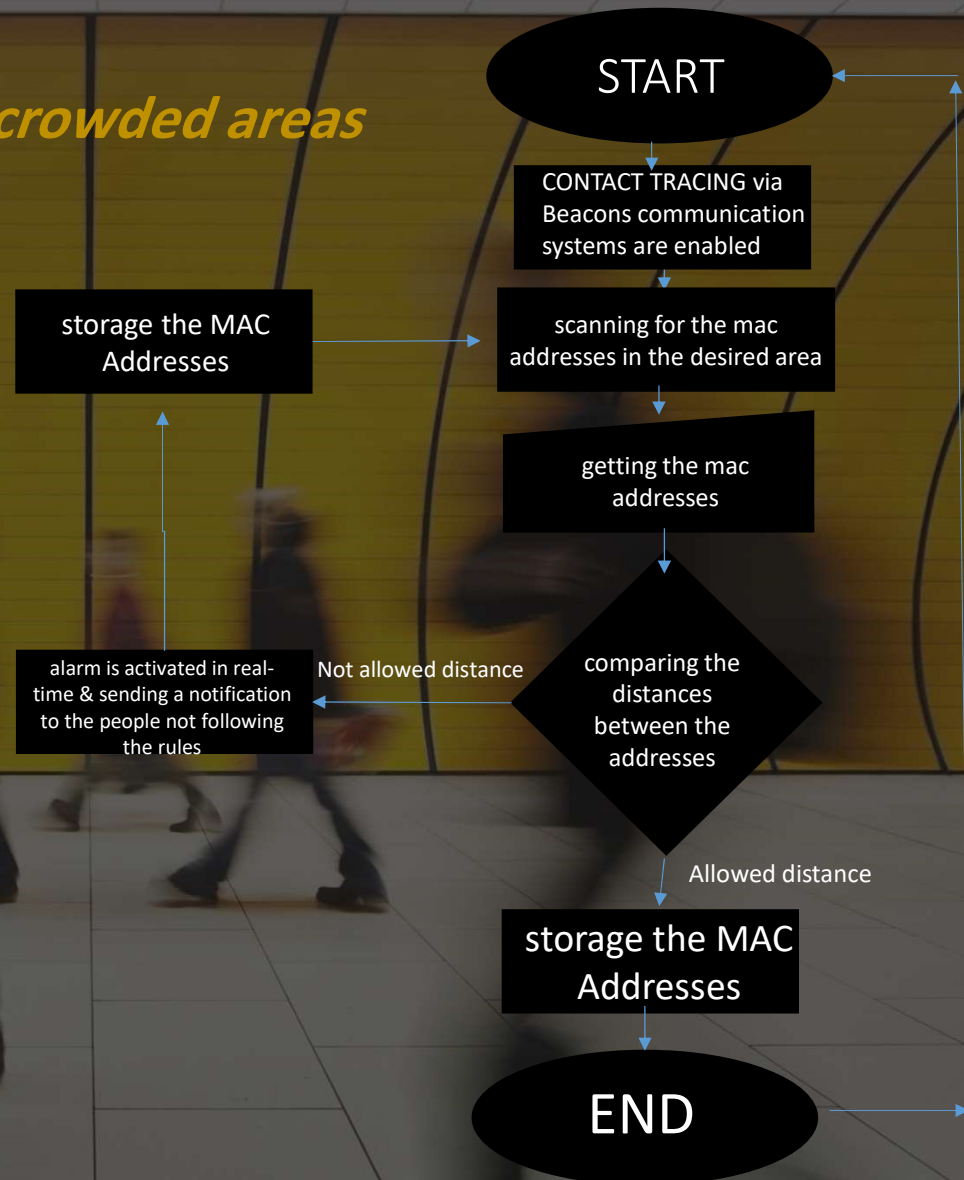
- Beacons broadcast a unique identifies.
- Smart-phones Bluetooth beacons reads the unique identifier.
- Smartphone wakes up the beacon enabled app.
- The app recognizes the beacon through its identifier.
- The app reacts to inform the Bluetooth beacon mac addresses
- The system receives the information.
- If the Social Distancing is exceeded, the relay connected to an optical alarm is activated to inform the individuals .
- then ,this way returns to the first step .

# 03

## keeping Social Distancing in crowded areas

### Flowchart:

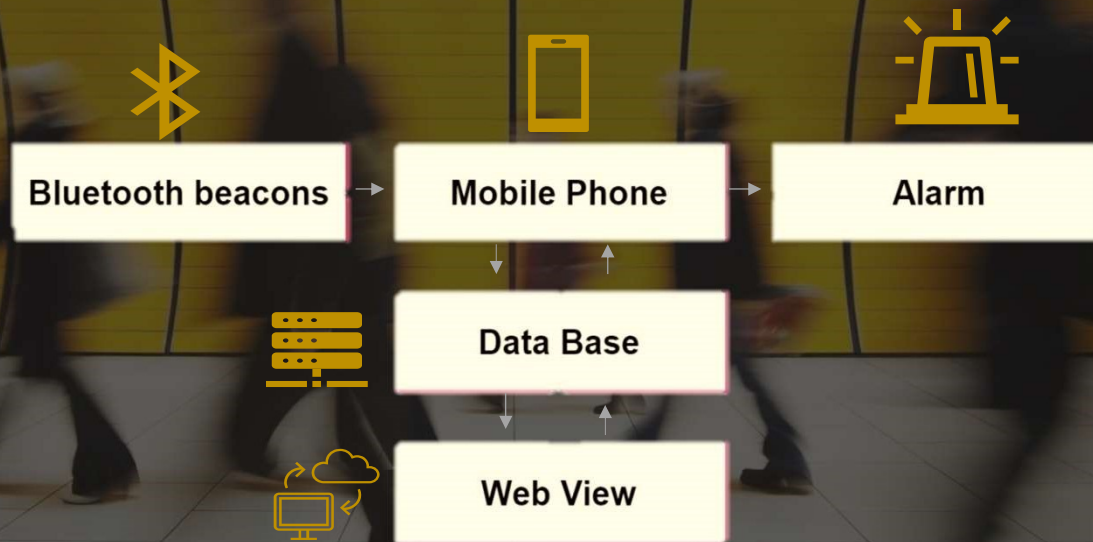
A diagram that represents a workflow or an algorithm of *keeping Social Distancing in crowded areas*





# 04

## Implementation



# THANK YOU



You are Welcome To Contact Me



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