

# Algorithm for Social Distancing

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For Smart Methods



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# What is Algorithm?

Algorithms are not a programming language, but rather the methods of analysis and thinking that you must follow in order to be able to write the code correctly





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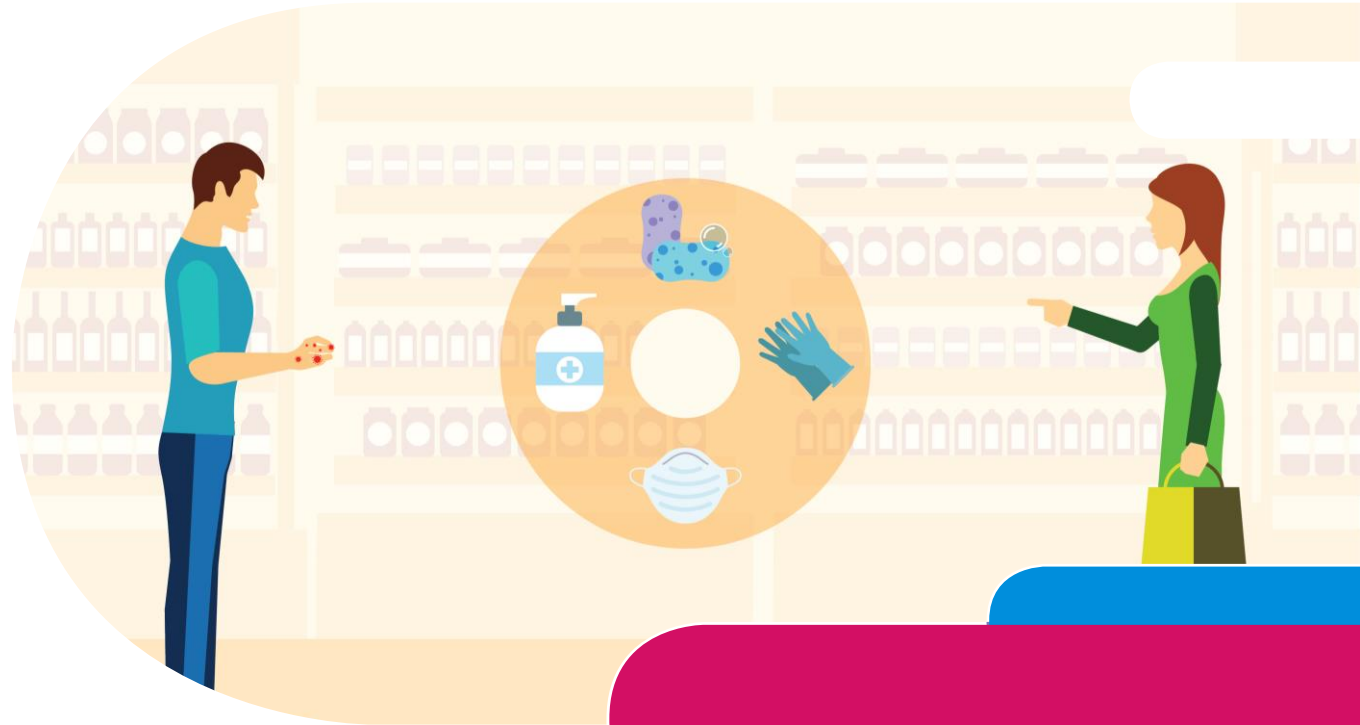
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# Aim

The main goal is to write a robot algorithm

The Aim is to create a robot to be placed in the hall that will sound an alarm when people gather at a location in order to know the importance of social distance.



# Technique



There is more than one technique we can use it, but I mention the most important technique from my point of view:

We will use Bluetooth beacons which is a hardware transmitters a class of Bluetooth low energy devices that broadcast their identifier to nearby portable electronic devices.

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

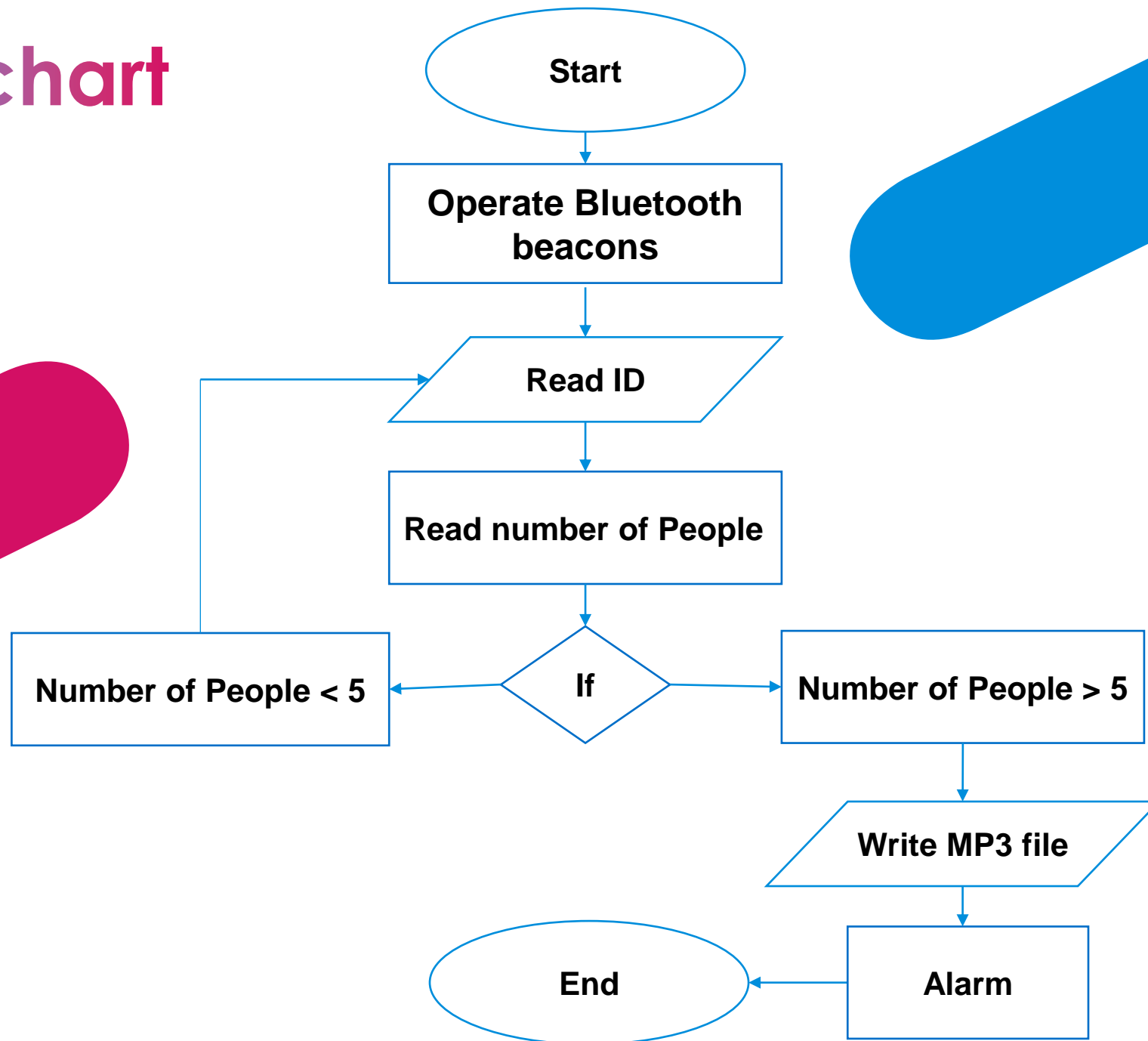




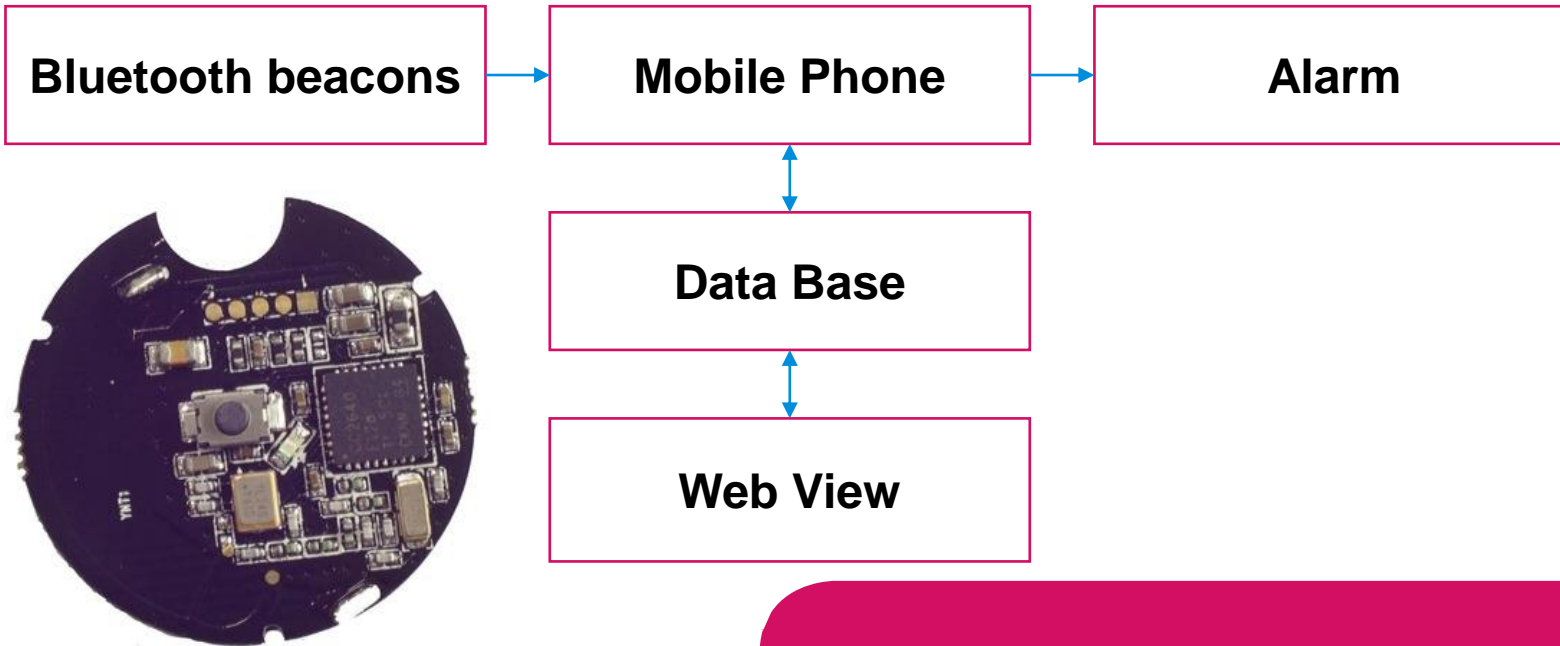
# Meeting Room

The place where the robot will make a sound when people gather in one place

# Flow chart



# How to use The Technique?







# Stages of work

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1. First buy Bluetooth beacons
2. Programming the application on the mobile phone to know the ID number of the Bluetooth beacon
3. Do a Loop to find out then umber of Bluetooth bacon
4. Do if condition if the number at one point is greater than 5 people gives alarm
5. If the number with at one point is less than5 , he will count again
6. If something goes wrong, sends SMS
7. Need Database
8. Good Web view

# THANK YOU!

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