

## المهمة الخامسة

### **Bluetooth beacon**

We are using Bluetooth beacon in two main ways:

- 1- To detect if the visitor has the application on his phone.
- 2- And to keep tracking if any two devices get closer to each other less than the limited area.

### **The first task:**

We need to make a system at the gates to keep adding all visitors to the data of the application, and asking for those who don't have the application to download it, this point is really important to monitor the distance using Bluetooth beacon.

### **The second task:**

keep tracing the location of each device and start announcing the person to let him know that he is too close to someone, I don't recommend any type of sounds like buzzer etc. So, I think the best way is by using lighting control system, this system will direct the light towards who ever trigger it by getting close to someone else.

I will explain the whole system in the next flow chart:

