

## **Airport Application powered by Beacons**

People face all the kinds of problem at airport ranging from having trouble to find the right terminal, which terminals to avoid to where to get information about any risks or security troubles in the area. It will be very easy for passengers if they can get solution to all these problems. This can be done by providing IOT based Android application for passengers in which airport authorities will send important notification, and application which will show the path to take which avoids the infected area in case of virus outbreak and generate automatic boarding pass for passengers from single point.

### **Problem:**

Some passengers might miss important announcements at airport due to ignorance and the other problem is that passengers need to wait in a queue in order to generate boarding pass.

### **Problem Solution:**

- When a virus/ bacteria infected patient or other hazardous materials is detected then authorities can notify all passengers about the area to avoid at the airport. And application will show the recommended path to take. We can show details about the virus and show details about symptoms of particular virus when a passenger comes in proximity of the beacon sensor.
- When passenger is in departure area, s/he will get boarding pass in notification and s/he can also check in directly through his/her mobile and no need to wait in queue.
- Airport Authority can quickly guide passengers to their respective terminals.