LITERATURE SURVEY

Development of an Android Application for Viewing Covid-19 Containment Zones and Monitoring Violators Who are Trespassing into it using Firebase and Geofencing.

AUTHOR: Ranajoy Mallik, Amlan Protim Hazarika, SudarshanaGosh Dastidar,Dilip Singh and Rajib Bandyopandhyay

YEAR: July 2020

DESCRIPTION: This Android application updates the locations of the areas in a Google map which are identified to be the containment zones and notifies the users if they have entered a containment zone and uploads the user's IMEI number to the online database .Many tools and APIs from Google like Firebase and Geofencing API are used in this application.

ADVANTAGES: The application has been tested in various locations and has been found to yield accurate results.

DISADVANTAGES: In first reading the application was initiated several times without destroying the application process in the background. In the second reading, the application process was destroyed before taking each reading.

Covid-19 Lifeguard: A Compact Wearable IoT system for health safety and protection of outgoers in the post-lockdown world.

AUTHOR: Gowri Shashank Deo, Chaitanya VijayKumar Mahamuni, Ayushi Mishra

YEAR: DECEMBER 2021

DESCRIPTION: Developing a wearable IoT device for health safety, protection, and risk management system. It includes an electronic face mask, automatic sanitizer dispenser, wearable for health monitoring, and alert on coming in touch with any surface.

ADVANTAGES: This system is beneficial in monitoring the necessary health parameters of the user along with provision for disinfection and touch alert.

DISADVANTAGES: In Future they are going to implement the system in hardware.

Monitoring and sensing Covid-19 Symptoms as a precaution using electronic wearable devices.

AUTHOR: Josephine M.S , Lakshmanan L , Resmi R.Nair , VisuP,Ganesan R , R.Jothikumar.

YEAR: JULY 2020

DESCRIPTION: To Monitor and sense the symptoms of COVID-19 as a preliminary measure using electronic wearable devices .This variability is sensed by electrocardiograms observed from a multi-parameter monitor and electronic wearable.

ADVANTAGES: This was capable of predicting the risk levels of COVID-19 patients with an accuracy of 98% and this cannot be bypassed with other medications.

DISADVANTAGES: It was cost expensive one because more tests have to take to find the result.