

Literature Survey

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S.No	TITLE	PROPOSED WORK	TOOLS USED/ ALGORITHM	TECHNOLOGY	ADVANTAGES/ DISADVANTAGES
1	Development of an Android Application for Viewing Covid-19 Containment Zones and Monitoring Violators Who are Trespassing into it using Firebase and Geofencing.	Android Application shows the location of the containment zones to the usres. It also notifies the user if they enter containmet zone.	<ul style="list-style-type: none"> • RESTful API • Firebase • Location Tracking • IMEI Number 	<ul style="list-style-type: none"> • Machine Learning • Java 	This Application futher tracks the user's location and checks whether its present i the list of identified containmet zones.
2	Application for Covid-19 Real Time Counter.	Efficient way of showing the identified Covid-19 containment zone.Futher more lie maritime and forest safety to prevent user from entering restricted areas.	<ul style="list-style-type: none"> • Machine Learning Algorithm. • Time Series Analysis. 	<ul style="list-style-type: none"> • Data Mining Application. • Cloud Data • Python 	The Application can include various government organization to help act faster.

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3	A Compact Wearable - IOT(W-IOT) system for Health Safety and Protection of Outgoers in the Post-Lockdown World(COVID-19 Lifeguard).	IOT based Health monitoring system using various sensors to measure body parameters and also send an alert in an emergency.	<ul style="list-style-type: none"> • Spo2 detector. • GPS • Bluetooth Module • GSM Modem 	<ul style="list-style-type: none"> • IOT Technology • Python 	The body temperature, heart rate, and oxygen saturation levels have to be monitored regularly.
4	Tracking the Covid Zone through Geo-fencing technique.	This paper is to prepare a methodology to track the Covid Zones, to enhance and tighten the security measures by using Geofence.	<ul style="list-style-type: none"> • Bluetooth Based Application. • DRDO Netra. • National Intelligence Grid(NATGRID). 	<ul style="list-style-type: none"> • Geo-fencing • Mobile Network 	The major issue with those Bluetooth based applicatio is that tracking can be done only if the enabled the Bluetooth option.

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5	Aarogya Setu (COVID-19)	These paper is to proposed a methodology to show the recent Covid statistics.	<ul style="list-style-type: none"> • Bluetooth • GPS • Digital ID 	<ul style="list-style-type: none"> • Geofence Technology. • Contact Tracing 	At a time user can see Covid-19 total cases, active cases and discharge cases.
6	Evaluating how smartphone contact tracing technology can reduce the spread of infectious diseases(COVID-19).	Porpose of work detecting and controlling the diffusion of infectio diseases such as Covid-19 is crucial to managig epidemics.	<ul style="list-style-type: none"> • Mobile Computing • Epidemic Model • Web Scraping • Opportunistic Network(OPP NET) 	<ul style="list-style-type: none"> • Mobile Computing • Source and Network • Digital Epidemiology 	Accurate technologies such as Bluetooth allow for greater selectivity when it comes to quarantining people.

THANK YOU