

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.	This paper mainly focuses on informing people of the covid19 containment zone,updating location of the area in the google map,notifying the user if they entered a containment zone and uploading the users IMEI number to the online database.	<ul style="list-style-type: none">• Geofencing API• Firebase API• Location Tracking• IMEI Number• Andriod SDK	<ul style="list-style-type: none">• Firebase Cloud Firestore• Google Cloud Platform	This application can be used as a tool for creating further social awareness about the arising need of precautionary to be taken by the people of India
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">• Time Series Analysis.• Location Tracking	<ul style="list-style-type: none">• Cloud Data• Python	The Application can include various government organization to help act faster.

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3	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.
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	A Compact Wearable - IOT(W-IOT) system for Health Safety and Protection of Outgoers in the Post-Lockdown World(COVID-19 Lifeguard).	This paper mainly focuses on IOT based Health monitoring system using various sensors to measure body parameters and also sends 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.
6	Evaluating how smartphone contact tracing technology can reduce the spread of infectious diseases(COVID-19).	This paper Porposes the work detecting and controlling the diffusion of infectious diseases such as Covid-19 is crucial to managing epidemics.	<ul style="list-style-type: none"> • Epidemic Model • Web Scraping • Opportunistic Network(OPP NET) • Web scrapping • Mobile computing 	<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