

LITERATURE SURVEY
TEAM ID:PNT2022TMID19289

Team Leader: Manohar R

Team Members: Abi Sankar , Kavın Kumar , Prasanth

S.No	TITLE	PURPOSED WORK	APPARATUS/ ALGORITHM	TECHNOLOGY	MERITS & DEMERITS
1	Development of an Android Application for Viewing Covid-19 Containment Zones and Monitoring Violators Who are Trespassing into it using Firebase and Geofencing.	The primary goals of this project are to notify users whenever they enter a containment zone, update the position of the area on a Google map, alert users when they do, and upload the user's IMEI number to an online database..	<ol style="list-style-type: none">1. Geofencing API2. Firebase API3. Location Tracking4. IMEI Number5. Andriod SDK	Cloud Technology	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 Technology	The Application can include various government organization to help act faster.

S.NO	TITLE	PROPOSED WORK	TOOLS USED/ ALGORITHM	TECHNOLOGY	ADVANTAGES/ DISADVANTAGES
3	Aarogya Setu (COVID-19).	In this study, a methodology is given for displaying current Covid statistics..	<ul style="list-style-type: none"> • Bluetooth • GPS • Digital ID 	<ul style="list-style-type: none"> • Cloud Technology 	At a time user can see Covid-19 total cases, active cases and discharge cases.
4	Tracking the Covid Zone through Geo-fencing technique. - JULY 10 2020	In order to track the Covid Zones and improve and tighten security measures, this study will provide a methodology..	<ul style="list-style-type: none"> • Bluetooth Based Application. • DRDO Netra. • National Intelligence Grid(NATGRID). 	<ul style="list-style-type: none"> • Mobile Network • Cloud Technology 	The major issue with those Bluetooth based application is that tracking can be done only if the enabled the Bluetooth option.

S.No	TITLE	PROPOSED WORK	TOOLS USED/ ALGORITHM	TECHNOLOGY	ADVANTAGES/ DISADVANTAGES
5	A Compact Wearable - IOT(W-IOT) system for Health Safety and Protection of Outgoers in the Post-Lockdown World(COVID-19 Lifeguard).	The primary emphasis of this work is an IOT-based health monitoring system that uses a variety of sensors to measure bodily parameters and issues alerts in case of emergencies..	<ul style="list-style-type: none"> • Spo2 detector. • GPS • Bluetooth Module • GSM Modem 	<ul style="list-style-type: none"> • IOT Technology 	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 essay argues that managing epidemics depends on being able to identify and stop the spread of infectious disorders like Covid-19.	<ul style="list-style-type: none"> • Epidemic Model • Web Scraping • Opportunistic Network(OPP NET) • Web scrapping 	<ul style="list-style-type: none"> • Mobile Computing 	Accurate technologies such as Bluetooth allow for greater selectivity when it comes to quarantining people.

THANK YOU