

Ideation Phase

Literature Survey

Date	3 September 2022
Team ID	PNT2022TMID39783
Project Name	Containment Zones Alerting
Maximum Marks	2 Marks

S.NO	Title	Author	Year of Publications	Problem Identify	Techniques used	Drawbacks
1	Application for Covid-19 Real Time Counter	OmkarDhok. et.al,	2022	Prevent trespassing into these zones	APIs from Google like Firebase and Geofencing API are used	Lack of accuracy while in realtime
2	Digital technologies, healthcare and Covid-19: insights from developing and emerging nations	Mukesh Chandra ,et.al,	2021	To know details about cases	Industry 4.0 tools (3D Printing, Artificial Intelligence, Cloud Computing, Autonomous Robot, Biosensor, Telemedicine service, Internet of Things (IoT), Virtual reality, and holography)	Data and material not available
3	Mobile Applications for COVID-19: Benefits, Technologies and Future Research Opportunities	Amel Kosovac , et.al	2021	Monitoring of patients and remote assistance, monitoring and forecasting of the pandemic spreading	Artificial Intelligence	Contact tracing is not available
4	Development of an Android Application for COVID-19 using Firebase and Geo-fencing	Jannai Kode Yashwanth Kumar,et.al	2021	Make people aware of COVID-19 cases updates and also notify them at various situations	mobile application using android studio and made use of Google firebase for the database	Compensating for lose in revenues
5	Information-Based Mobile Application to Tackle COVID-19 Circumstances Coronavirus Disease 2019	Sakhawat Hossain,et.al,	2021	enables healthcare professionals to monitor the status of their patients'health in real-time	Cloud computing, AI	This application cannot provide 100% accuracy in contact tracing

6	EPIDEM: A Mobile Application to Contain Coronavirus Disease 2019	Goetz Robert Uwe Grosche ,et.al,	2020	The use of EPIDEM, lay people can monitor their infection risk for COVID-19 and isolate themselves or get themselves tested when infection risk is high	I-optic Computing	Uneducated people cannot access the user interface
7	COWAR: An Android Based Mobile Application to Help Citizens and COVID-19 Warriors	Tarun Saxena , et.al,	2020	To spread awareness and to help the people of the world amid this COVID-19	Fire base ,cloud computing , AI	But not 100% Accuracy
8	Effective Contact Tracing for COVID-19 Using Mobile Phones: An Ethical Analysis of the Mandatory Use of the Aarogya Setu Application in India	SAURAV BASU	2020	For contact tracing during a pandemic is a legitimate public health intervention	Contact Tracing ,Bluetooth interface ,GPS.	Due to privacy contact tracing is not possible
9	Cluster containment strategy: addressing Zika virus outbreak in Rajasthan, India	Ruchi Singh ,et.al,	2020	A containment strategy inclusive of extensive active surveillance with strong laboratory support, vigorous implementation of vector	Cloud computing , GPS Tracking	Lack of 100% accuracy
10	Development of An Android Application for Viewing Covid-19 Containment Zones and Monitoring Violators Who are Trespassing	Ranajoy Mallik ,et.al,	2019	which can inform people of the Covid-19 containment zones and prevent trespassing into these zones	Android , Geo-fencing · Firebase · Location tracking	There is no proper arrangement of this application

	into It Using Firebase and Geofencing					
11	COVID-19 infection: Disease detection and Mobile Technology	Amar Shankar Mishra , et.al,	2019	which is helpful to detect the disease as well as It can help to aware people stay safe and adopt necessary precaution in some areas	Fire base , cloud computing , GPS Tracking	There are no conflicts of interest
12	COVID-19 Quarantine Monitoring Based on Geofencing Technique	Nawar Alqrnawi ,et.a ,	2019	Introduced as an application to implement a home/local quarantine policy using bracelets that fit the boundaries of smartphone	geofence technology ,GPS&GSM modules and a microcontroller	DATA and materials not available
13	COVID-19 intelligent tracking platform	Samer Ibrahim Mohamed	2019	The app is able to successfully track users and create a statistic of all users registered with their real- time status and show hospitals for users	Tracking, AI , Firebase	There is a bug and cannot provide 100 % accuracy
14	Proximity Tracing Method to reduce Community Spread of COVID 19	Sonia Duggal .et.al ,	2019	An alert SMS is sent to the users individually to take preventive measures	IOT , GPS , firebase	The unavailability of exact data and total dependency is on IMEI number
15	A Review of the Aarogya Setu Digital Contact Tracing Mobile Application of the Government of India in response to the Novel Corona Virus COVID-19	Rian Puri	2019	Helps to track the rapid cluster and community spread of COVID-19	GPS , Bluetooth devices ,AI	It requires gps always ON

