

# PROJECT DESIGN PHASE – I

## PROPOSED SOLUTION

DATE	24.09.2022
TEAM ID	PNT2022TMID35229
PROJECT NAME	Containment Zone Alerting Application
MAXIMUM MARKS	2 Marks

### PROPOSED SOLUTION:

S.NO.	PARAMETER	DESCRIPTION
1.	Problem Statement (Problem to be solved)	To create an application to monitor and alert users when they enter Covid containment zones and provide information about the same.
2.	Idea / Solution description	Create an easy-to-use mobile application to alert the user when they enter a Covid containment zone by using their location and creating geofences(radius about 100m) for the containment zones. When the users' location is within any of the geofence, an alert is sent immediately to the user. This is done with the help of Google Maps by integrating with the application. Also, provide information about the containment zones.
3.	Novelty / Uniqueness	Efficient community surveillance. Contact tracing Report generation about the areas that are in high risk of being converted into covid hotspots based on the nearby containment zones.
4.	Social Impact / Customer Satisfaction	Reduces the risk of spreading of the disease by actively providing information about the containment zones. Alerts the user when they enter any containment zone which reduces their risk of getting in contact with the virus. Also shows preventive measures for the disease.
5.	Business Model (Revenue Model)	Organizations can pay money and get report(includes travel history, contact history to containment zones, history of infections, etc.,) of their employees by providing appropriate details and employees' consent. Donations from volunteers.
6.	Scalability of the Solution	The application works good even when the number of containment zones increase and the number of users increase.