

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID35589
Project Name	Project - Containment zone Alerting Application
Maximum Marks	2 Marks

Proposed Solution Template:

The main intention of this app is monitoring people's activity and alerting them of their safety movements. This project aims at building an application that provides information about the containment zones of a particular region by continuously monitoring an individual's location. Location of the individual stored in the Database. Alerts are sent using the notification service

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To solve people's dilemma about the pandemic on the outside of their environment and giving people warning on possible danger. People are found to be the only means for restricting the community transmission. This application is intended to provide information about containment zones in a particular region by alerting people, through continuous monitoring of an individual's location.
2.	Idea / Solution description	<ul style="list-style-type: none">• The main idea is creating app that Tracks live location of the User and alerts User when user trespasses into the contaminated zone or stays in the containment zone .• Location of the individual must be stored in the Database using cloud firebase database. Alerts are sent using the notification service.• The application also notifies the users if they have entered a containment zone and uploads the user's identification number to the online database. <p>Features of the Application</p> <p>Admin App (portal): They should login to the app and update the containment zones locations in the portal.</p> <p>User App (Mobile App): The app should have a user registration and login. After the user logged into the app it will track the user's location and update the database with the current location.</p>

3.	Novelty / Uniqueness	<ul style="list-style-type: none"> • We have deliberately kept it this way as most other proposed apps focus on major authoritative control over monitoring users, having little or no regard for privacy • Based on the number of cases present in the particular zone color code will be allotted for the each affected zones. • User will be able to see the containment zone in a map format and not in the table which only has the containment zone names.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> • It is targeted at the layman and the daily updated content is stored in cloud platform. • The strongest point of this application is that its is completely user based. • This application would make a big impact in reducing the covid cases as well as give people an idea about the disease and the cautionary measures against it. • Provides the daily update on covid cases in that particular region with color code.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> • Introducing premium plan that monitors user health by connecting app with the containment region. • Our solution, once developed well, has enough possibility to become a good product to save people against the deadly diseases.
6.	Scalability of the Solution	<ul style="list-style-type: none"> • The Application is further used for maritime or forest safety to prevent the users from entering users into the restricted areas. • Since the overall process is on cloud, the manpower and the expenditure is reduced. • In this modern world even though the covid pandemic threat is about to end there are high chance of pandemic. • So this application is very useful in the situation and we can use this application in seasonal diseases.