

**Project Design Phase-I**  
**Proposed Solution Template**

Date	28 September 2022
Team ID	<b>PNT2022TMID39082</b>
Project Name	Project - Containment zone Alerting Application
Maximum Marks	2 Marks

**Proposed Solution :**

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	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. Key benefits of the application are monitoring people's activity and alerting them of their safety movements.
2.	Idea / Solution description	<p>The 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 must be stored in the Database using cloud firebase database. Alerts are sent using the notification service.</p> <p>Features of the Application</p> <p><b><i>Admin App (portal):</i></b> Admin can login to the app and update the containment zones locations in the portal. Based on the containment zones locations a Geofence will be created within a 100 meters radius. Admin should be able to see how many people are visiting that particular containment zone.</p> <p><b><i>User App (Mobile App):</i></b> 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. If the user</p>

		is visiting the containment zone he will get an alert notification.
3.	Novelty / Uniqueness	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. This would be helpful for the people who are new to the city.
4.	Social Impact / Customer Satisfaction	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.
5.	Business Model (Revenue Model)	<p>There are many applications currently available in this regard.</p> <p>Our solution, once developed well, has enough possibility to become a good product to save people against the deadly diseases.</p>
6.	Scalability of the Solution	Our proposed solution is very scalable i.e., in future, there are a lot of rooms for evolving our present model by adding new features to enhance our application in the future