

**Ideation Phase**  
**Define the Problem Statements**

Team ID	PNT2022TMID08657
Project Name	Containment Zone Alerting Application
Maximum Marks	2 Marks

**Problem Statement :**

A problem statement encapsulates a problem that has to be solved or a situation that can be made better. The issue statement identifies the process's current condition and intended state. This program seeks to alert users by continually tracking their locations. Information on the users of containment zones in a certain area. The key benefits of the program include monitoring user activity and alerting them to potential threats. The key benefits of the program include monitoring users' movements and alerting them to safety considerations.

Who does the problem affect?	People who are traveling to places being unaware of COVID Containment Zones.
What is the issue?	if people get into a COVID containment zone, there arises a high risk for them getting into contact with an affected person and thereby it results in the transmission of the disease.
When does the issue occur?	When a healthy person gets into contact with an affected person living in a COVID prone area.
Where does the issue occur?	Getting affected by COVID might occur anywhere. Nonetheless, the risk of getting affected by the disease would be very high in Containment Zones.
Why is it important that we fix the problem?	It is important that we fix the problem that people become aware of Containment Zones and stay away from them to protect themselves from COVID-19
What solution to solve this issue?	An Alerting application that delivers instant alerts whenever a person enters a COVID Containment Zone.

What methodology was used to solve the issue?

Geofencing of Containment Zones,  
Constant location monitoring of the users  
of the application, and instant alert delivery