Project Design Phase-I

Proposed Solution

Team ID	PNT2022TMID32760
Project Name	Containment zone alerting application.

Proposed Solution Template:

S. No	Parameter	Description
1.	Problem Statement (Problem to be solved)	Development of an android application for viewing the covid containment zones and also alerting the users by sending notification not to enter the affected area using cloud and geofencing.
2.	Idea / Solution description	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 individual must be stored in the database .Alerts are sent using the notification service.
3.	Novelty / Uniqueness	- Development of an Android application is necessary which can inform people of the Covid-19 containment zones and prevent trespassing into these zones. - Android application updates the locations of the areas in a Google map which are identified to be the containment zones. - The application also notifies the users if they have entered a containment zone and upload the details of individual in online database.

4.	Social Impact / Customer Satisfaction	The dataset obtained from the application can be used for predictive analysis to determine prone areas and
5.	Business Model (Revenue Model)	- Can tie up with people with normal and premium charges. - The data that is derived can be used in Government sectors. - Can tie up the Government and get profit through that.
6.	Scalability of the Solution	Since the overall process is based on the cloud, manpower and expenditure is reduced.