

Project Design Phase-I
Proposed Solution Template

| | |
|---------------|---------------------------------------|
| Date | 19 September 2022 |
| Team ID | PNT2022TMID38329 |
| Project Name | Containment zone alerting application |
| Maximum Marks | 2 Marks |

Proposed Solution Template:

| 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 | 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. Alerts are sent using the notification service. |
| 3. | Novelty / Uniqueness | After the user logged into the app it will track the user's location and update the database with the current location. Based on the location a Geofence will be created within a 100 meters radius for better usage .In addition to this, it provides alternate routes to reach the destination. |
| 4. | Social Impact / Customer Satisfaction | The application tracks the user's location and provides notification alert if the user has entered a containment zone which helps them to take precaution measures while they are in the zone and also provide alternative routes to reach a destination which will reduce the spread of a disease. |
| 5. | Business Model (Revenue Model) | The Containment Strategy is used to contain people and contain the diseased people within a defined geographic area by early detection of cases, breaking the chain of cases. Awareness are shared through SMS, TV Ads, Newspaper and Radio. This model set outs strong vision in notifying the people about the risk zone. |
| 6. | Scalability of the Solution | This application is user friendly and meets the changing pandemic circumstances as per the location and the severity of the disease. It further provides services to handle the growing amount of infected cases. |