

Project Design Phase-I
Proposed Solution

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| Team ID | PNT2022TMID03043 |
| Project Name | Containment zone alerting application |
| Maximum Marks | 2 Marks |

Proposed Solution Template:

Project team shall fill the following information in 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 not to enter the affected area using cloud and geofencing by sending notification. |
| 2. | Idea / Solution description | To create an easy-to-use android application to alert the user when they enter a Containment Zone. To provide accurate results and alerting at the exact time when they enter the zone. This is done with the help of integration of Google Maps. |
| 3. | Novelty / Uniqueness | <ul style="list-style-type: none">• 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 application saves people's life from restricting them from entering the Containment zone which saves them from catching the disease. Also shows precautionary measures when they entered the zones |
| 5. | Business Model (Revenue Model) | Can tie up with people with normal and premium charges. <ul style="list-style-type: none">• 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 | The application will be useful for all people from saving their life's from catching the disease by alerting them when they accidentally entered the containment zone. |