**Project Title: Containment Zone Alerting Application**

**Project Design Phase – I**

**Solution Fit Template**

**Team ID: PNT2022TMID13904**

1.CUSTOMER SEGEMENT (S)

* This is useful for all customers/users since it is health related application and it is mainly used for users who wants to travel to other district or state during pandemic time and for travellers like delivery agents, etc.

2. JOBS-TO-BE-DONE / PROBLEMS

* Detection and recognition of the covid affected areas
* To notify the users if they are about to enter the containment zones
* Cloud computing will give the information in the efficient manner for the users

3.TRIGGERS

* Users can use this application by hearing the positive reviews from the neighbours and they will know about the efficiency and benefits of the app

4. EMOT IONS: BEFORE / AFTER

* Before: user is uncertain about the containment zone and they don’t know whether they are in the correct path.
* After: by using this application, they come to the containment zones and they even alerted if they enter the containment zones so the user will be safe.

5.AVAILABLE SOLUTIONS

* Automatic Notification for individual
* In past, they identified the number of cases that are those who don't know it. Since it is affected by Covid-19

6.COUSTOMER CONSTRAINTS

* Users who know about the technology and the development can use this app more efficiently than who do not know it.

7. PROBLEM ROOT CAUSE

* Helps the user to identify the red zones which helps the user to protect themselves.
* So, it is must to ensure the individual's safety and to decrease the number of cases by alerting them to not get into the red zones.

8.BEHAVIOUR

* Customer can send feedback to the application developers in case of any junk or to improve the features of the application
* The application shows the precautionary measures when they are entered the zone by accident. And it shows the current cases in the particular area.

9.CHANNELS OF BEHAVIOUR

* Through online the customers can easily access the updated zones via mobile phones.
* By using this, they can see and noticed the current affected and death cases also.
* The offline users information are stored locally.

10.YOUR SOLUTIONS

* By using this application we can send a notified themselves when they entered into the contaminated zones by the help of real time location inbuild in the application.
* We can inbuild the facility of giving precautionary measures when they entered into the zone to safe guard themselves.
* We can also update the Number of affected people, recovered people and we can also update the number of death cases, it is more useful to the users to know about the exact situation and data.