

## Ideation Phase

### Brainstorm & Idea Prioritization

Date	19 September 2022
Team ID	PNT2022TMID35589
Project Name	Containment Zone Alerting application
Maximum Marks	4 Marks

#### Brainstorm & Idea Prioritization:

##### Step-1: Team Gathering, Collaboration and Select the Problem Statement

PROJECT

CONTAINMENT ZONE  
ALERTING APPLICATION

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PROBLEM STATEMENT

to provide information about  
containment zones in a  
particular region by alerting  
people, through continuous  
monitoring of an individual's  
location.

## Step-2: Brainstorm, Idea Listing and Grouping

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### Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

**TIP**  
You can select a sticky note and hit the pencil (switch to sketch) icon to start drawing!

#### Preetha R

location is verified manually  
get an alert voice tone whether it's containment or not  
user location tracked by admin  
for the precise use of location and get prior alert messages.  
open source for all users  
Alerts are notified via sms using mobile number given.  
what if it does not support all devices?  
Containment zones are differentiated by three colors.  
To make the user more aware we can provide Covid status on a laptop screen in Google Map.

#### Aseera Shabana R

OTP generation to verify the user.  
Highlighted zones based on the degree of the infectious zones.  
update the containment section using GPS  
user location updated to database.  
can know about the nearby hospitals  
alerting people 100m before reaching the zone.  
what if location service fails?  
user must keep updated of your app for better reliability of data.  
for the affected person profile user can contact the emergency services.

#### Rahul R

we must monitor both mobile and web apps for service alerts.  
we can send geo type of alert messenger.  
The alert messages should be some interactive.  
Provide correct info of containment zones.  
map integration using google's API  
location parameters are verified and updated.  
Containment zones are stored in database.  
The user location was monitored by the admin.  
gps need not to be turned on everytime.

#### Shagithiya S

24/7 monitoring of affected zone.  
Sms alert only whether it's a containment zone or not.  
User must keep updated of their app for better reliable of data.  
can we send alert message only if it's containment zone.  
what if phone runs out of battery?  
sends alert message through app notification.  
Admin login by user id and password.  
message alert when person enters and exit.  
daily updates on new cases.

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### Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

20 minutes

#### FEATURES

map integration using google's API  
user location tracked by admin  
update containment zones using GPS

#### ISSUES

what if it does not support all devices?  
what if phone runs out of battery?  
what if location service fails?

#### PROS

open source to all users.  
gps need not to be turned on everytime  
can know about the nearby hospitals

#### ALERT USER

alerting people 100m before reaching the zone  
The alert messages should be interactive  
Alerts are notified via SMS using mobile number given.  
Sends alert sms whether it is a containment zone or not

#### ZONE IDENTIFICATION

Containment zones are differentiated by three colors.  
Containment zones are stored in database  
Highlighted zones based on the degree of the infectious zones  
message alert when person enters and exit

## Step-3: Idea Prioritization

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## Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

20 minutes

