**Containment Alert Zone**

Literature Survey

Survey 1:

Aarogya Setu

Aarogya Setu is a mobile application developed by the Government of India to connect essential health services with the people of India in our combined fight against COVID-19. The app is aimed at augmenting the initiatives of the Government of India, particularly the Department of Health, in proactively reaching out to and informing the users of the app regarding risks, best practices and relevant advisories pertaining to the containment of COVID-19 (Aarogya Setu 2020).

The application is developed by the government of India. It uses contact tracing technology with the help of bluetooth to check if a user comes near a Covid-19 patient.

Survey 2:

CoBuddy-Covid19 tool

CoBuddy-Covid 19 Coronavirus Help Tool-to help stop the spread of Covid 19, get info and help from the Government. The app makes sure that the people quarantined are within their location, communicate directly with them, provide information, and receive alerts if the quarantined are in need of any help. Location tracking and user verification with heat-maps, communication management, notifications and alerts, health tracking and feedback, essential operations management (CoBuddy-Covid19 tool 2020).

The application keeps track of the home quarantined Covid-19 patients and their needs by the concerned authorities.

Survey 3:

CORONTINE

This app is designed to help organisations (including the Government of Meghalaya) to maintain accountability and responsibility towards members and society. The app accomplishes this by monitoring the geographical movements of members and ensuring they are following proper work from home protocol and social distancing policies set by the organisation. Data will not be used for any purpose other than the safety of the members. Members have the right to activate/inactivate location as per their discretion. This app sends coordinates to the server if the user activates location. Users can check in at their home location and will be alerted if they leave the region around home location. Administrator/support cell will also get the list of users who are within the circle or outside the circle. Only authorized admin can access the backend services for the purpose of safety of registered users. App provides an option for the user to recheck in at a new location with the approval from administrator/Unit manager via OTP. App provides more information like emergency contact numbers and similar important information for the users to access in a short time at the hour of need (CORONTINE 2020).

The application provides questionnaire based self-diagnosis, general symptoms and precautionary tips related to Covid-19. It sends alerts to the concerned authorities if the person under home quarantine leaves the location around their home.

Survey 4:

SAIYAM-track and trace together

With the help of Saiyam we can together create an environment of safety and security (SAIYAM-track and trace together 2020).

This application is not directly related to Covid-19. It provides self-restraint to the user during lockdown.

Survey 5:

Prayagraj COVID19 hotspots

With the approval of administration, the COVID19 hotspots data are being collected to serve the community. An initiative from Data Live Technology.

Only the app is published by Facewhiz Technologies (Prayagraj COVID19 hotspots 2020) The application could not be operated.