

## Project Design Phase-I

### Solution Architecture

Date	30 September 2022
Team ID	PNT2022TMID04293
Project Name	Project - Containment Zone Alerting application
Maximum Marks	4 Marks

#### Solution Architecture:

- The app should allow users to register and login. The app will track the user's location and update the database with the user's current location after the user logs in.
- If the user enters the containment zone, he will receive an alert notification from sendgrid.
- Users' data will be stored in a more secure manner to ensure that it is not misused.
- They need to update the containment zone locations in the portal by logging into the app. Within a 100 meter radius, a Geofence will be constructed based on the location. How many people are visiting that zone should be visible to them.
- The app will notify the user once it gets nearing the containment zone.
- Through IBM Watson and other chat-bot services that will be installed for user convenience, customers can give comments about their experiences and any problems they may have encountered.

#### Solution Architecture Diagram:



