# Project Design Phase - II

# Solution Requirements

| Date | 15 October 2022 |
|---|---|
| Team id | PNT2022TMID50559 |
| Project Name | Containment zone Alerting Application |
| Maximum marks | 4 marks |

Functional Requirements:

Following are the functional requirements of the proposed solution.

**1)UserRegistration**

It can be registered by valid Email id or Phone number

**2)UserConfirmation**

Verification code can received by Registering mail id or phone number

**3)Alertmessagevia Notification**

By user access of location while entered in the alerted area the notification are send by GPS tracking system and push the grids through mail id.

**4)Showinfectedzones**

Marked by Geo fencing

**5)Trackalternateroutes**

By Google map API or Google dependencies.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

**1)Usability**

GUI is easier to interact with.

**2)Security**

The data collected from the user will be stored securely.

**3)Reliability**

The user can trust the results and navigate safely.

**4)Performance**

Accurate results can be achieved real-time location sharing.

**5)Availability**

Available if the network bandwidth of the user is of good range.

**6)Scalability**

The application can be used from anywhere and can also be implemented for both mobile and web apps for the user to interact.