Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	03October 2022
Team ID	PNT2022TMID48366
Project Name	Project – Containment Zone Alerting Application
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	**User Registration**	It can be registered by valid Email id or phone number.
FR-2	**Admin Registration**	It can be update all the containment zone.
FR-3	**User Confirmation**	Verification code can received by registering Email id or phone number.
FR-4	**Alert Message Via 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.
FR-5	**Show Infected Zones**	Marked by Geo fencing.
FR-6	**Track Alternate Routes**	By Google map API or Google dependencies.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	GUI is easier to interact with.
NFR-2	**Security**	The data collected from the user will be stored securely.
NFR-3	**Reliability**	The user can trust the results and navigate safely.
NFR-4	**Performance**	Accurate results can be achieved due to real time location sharing.
NFR-5	**Availability**	Available if the network bandwidth of the user is of good range.
NFR-6	**Scalability**	The application can be used from anywhere and can also be implemented for both mobile and web apps for the user interact.