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

Date	Oct 15, 2022
Team ID	PNT2022TMID07010
Project Name	Containment Zone Alerting Application

Functional Requirements:

Following are the functional requirements of the proposed solution.

S No.	FUNCTIONAL REQUIREMENT	SUB - REQUIREMENT (Story / Sub-Task)
1.	User Registration	Registration in the form using Phone number or Email
2.	User Confirmation	Confirmation via Email Confirmation via OTP
3.	Containment Zones	Access to Google Maps via API and using Geo-fence Sketching
4.	Notification Alert System	Continuous GPS tracking and access to notification service.
5.	Alternate routes	Using Google Maps service

Non-functional Requirements:

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

S No.	Non-Functional Requirement	Description
1.	**Usability**	The Application's UI should be easy to use.
2.	**Security**	The data obtained from the user and other relevant details should be securely stored on the server.
3.	**Reliability**	The data shown to the user should be reliable and accurate.
4.	**Performance**	The application should be smooth without any lag and real-time location sharing should be accurate.
5.	**Availability**	The availability of the data from the server should be available without any interruption.
6.	**Scalability**	The application should be available to use from anywhere and anytime.