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

Date	13 October 2022
Team ID	PNT2022TMID22391
Project Name	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	Registration in the form using Phone number or Email
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Containment Zones	Access to Google Maps via API and using Geo-fence Sketching
FR-4	Notification Alert System	Continuous GPS tracking and access to notification service.
FR-5	Alternate routes	Using Google Maps service

Non-functional Requirements:

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

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