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

Date	17 October 2022
Team ID	PNT2022TMID28293
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	Registration in the form using Phone number or Email
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Containment Zones	Access 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	User interface is very effective to use when compared with others.
NFR-2	Security	The data collected from the user will be stored securely in the cloud.
NFR-3	Reliability	The user can trust the results from the app and navigate safely
NFR-4	Performance	Accurate results can be achieved due to real-time location sharing and Geofencing.
NFR-5	Availability	Available if the network bandwidth of the user is of good range.
NFR-6	Scalability	This application can be accessed from anyplace and information about the zones are up to date