

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

Date	20 October 2022
Team ID	PNT2022TMID10417
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 a valid phone number or email id.
FR-2	User Confirmation	A verification code can be received by registering a phone number or mail id.
FR-3	Notification Alert	Through phone number or email id if user enters the containment zone.
FR-4	Show Containment Zone	It shows different color virtual boundaries.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Application updates the location of the areas in a Google map which are identified to be the containment zones
NFR-2	Security	The data collected from the user is stored securely.
NFR-3	Reliability	The user can trust the result and navigate safely.
NFR-4	Performance	The accurate result 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 to interact.