

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

Date	22 October 2022
Team ID	PNT2022TMID34803
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 through Email ID or Phone number
FR-2	User Confirmation	Confirmation via Email or via OTP
FR-3	Location Tracking	Trace the location using Google map API
FR-4	Tracing Containment Zones	Using Geo-fence Sketching
FR-5	Notification Alert System	Using Sendgrid and Notification Services

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 clean and easy to use
NFR-2	Security	User data should be securely stored on the server
NFR-3	Reliability	Most appropriate results can be obtained by using Geofencing and GPS
NFR-4	Performance	User interface is responsive and real time location sharing will be accurate
NFR-5	Availability	Required data should be provided without any interruption while on a good internet connection
NFR-6	Scalability	User friendly and can be used in any environment