

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	03October 2022
Team ID	PNT2022TMID48287
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	It can be registered by valid email id or phone number.
FR-2	User Confirmation	Verification code can received by registering email id or phone number
FR-3	Alert message via notification	By user access of location will entered in containment area the notification are send by GPS tracking system and push the grids through mail id
FR-4	Show Infected zones	Marketed by GEO fencing.
FR-5	Track alternative routes	By Google map API or Google dependencies.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	To protect the people do not enter the containment zone.
NFR-2	Security	It is highly securable data to end-to-end encrypted of the user information.
NFR-3	Reliability	The information of user is highly secured and app will protect the containment zone, to alert via message.
NFR-4	Performance	It is very effective performance in alerting people within one second of entering a containment zone.
NFR-5	Availability	In this containment zone app is available in anywhere and anyplace.
NFR-6	Scalability	The scalability of containment zone application will be good and effective.