

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

Date	19 October 2022
Team ID	PNT2022TMID23726
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 while entered in the alerted area the notification are send by GPS tracking system and push the grids through mail id.
FR-4	Show Infected Zones	Marked by Geofencing.
FR-5	Track alternate 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	GUI is easier to interact with.
NFR-2	Security	The data collected from the user will be stored securely.
NFR-3	Reliability	The user can trust the results and navigate safely.
NFR-4	Performance	Accurate results 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.