

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

Date	15 th October 2022
Team ID	PNT2022TMID13786
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 through Form. Registration through Gmail. Registration through Twitter.
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Hospital registration	Registration through form Registration through Hospital ID
FR-4	Hospital Entry	Collecting case data and storing it in the Database Doctors for medical consultation Monitoring the premium subscription members
FR-5	Permissions	Location, Storage, Contacts
FR-6	Subscription	Taking special care of subscription members and monitoring their day-to-day activity.
FR-7	Chat Bot	Minimal medical Suggestions Product sales

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	People who travel all day can use this app to track the contaminated zone and take precautions before they are affected.
NFR-2	Security	Using “Blockchain technology for location and data encryption” to protect data from getting into the wrong hands.
NFR-3	Reliability	Wrong medical recommendations and fake news will be avoided valid medical suggestions and proper guidance is given in the application.
NFR-4	Performance	The geo-fencing algorithm is updated daily and shows the day-to-day updates of the contaminated zones.
NFR-5	Availability	Medicinal Recommendations, Test kits, Doctor suggestions, and Updated Contaminated zones are available in applications.
NFR-6	Scalability	Users are provided with medical services online and giving awareness to people by giving therapeutic medicines and monitoring user movements in pandemic zones and alerts before they are affected.