

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

Team ID	PNT2022TMID13325
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 user mobile
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Hospital Registration	Registration through form using Hospital TD
FR-4	Hospital Entry	Collecting case data and storing it in the Database Doctors for medical consultation.
FR-5	Permission	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 can use this app to track the contaminated Zone and take precautions before they are affected while travelling
NFR-2	Security	Using "Geofencing technology for location and data encryption™ to protect data.
NFR-3	Reliability	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 using log scheduling.
NFR-5	Availability	Medicinal Recommendations, Test kits, Doctor suggestions in the 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

		Also monitoring the movements in pandemic Zones and alerts before they are affected.
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