

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

Date	15 <sup>th</sup> October 2022
Team ID	PNT2022TMID08153
Project Name	Project – Containment Zone Alerting Application
Maximum Marks	4 Marks

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

<b>FR No.</b>	<b>Functional Requirement (Epic)</b>	<b>Sub Requirement (Story / Sub-Task)</b>
<b>FR-1</b>	<b>User Registration</b>	Registration through Form Registration through Gmail Registration through Twitter
<b>FR-2</b>	<b>User Confirmation</b>	Confirmation via Email Confirmation via OTP
<b>FR-3</b>	<b>Hospital registration</b>	Registration through form Registration through Hospital ID
<b>FR-4</b>	<b>Hospital Entry</b>	Collecting case data and storing it in the Database Doctors for medical consultation Monitoring the premium subscription members
<b>FR-5</b>	<b>Permissions</b>	Location, Storage, Contacts
<b>FR-6</b>	<b>Subscription</b>	Taking special care of subscription members and monitoring their day-to-day activity.
<b>FR-7</b>	<b>Chat Bot</b>	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.