

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

Date	3 November 2022
Team ID	PNT2022TMID12464
Project Name	Containment Zone Alerting Application
Maximum Marks	4 Marks

**Functional Requirements:**

The following are the functional requirements of the proposed solution.

FR.No.	Functional Requirements	Sub Requirements
F-1	User Registration	Registration through user mobile number.
F-2	User Confirmation	Confirmation via number Confirmation via OTP
F-3	Hospital registration	Registration through form using Hospital ID
F-4	Hospital Entry	Collecting case data and storing it in the Database Doctors for medical consultation.
F-5	Permissions	Location, Storage, Contacts
F-6	Subscription	Taking special care of subscription members and monitoring their day-to-day activity.
F-7	Chat Bot	Minimal medical Suggestions Product sales

### Non-functional Requirements:

The following are the non-functional requirements of the proposed solution.

<b>F.No.</b>	<b>Non-Functional Requirements</b>	<b>Description</b>
<b>NF-1</b>	<b>Usability</b>	People can use this app to track the contaminated zone and take precautions before they are affected while travelling
<b>NF-2</b>	<b>Security</b>	Using “Geofencing technology for location and data encryption” to protect data.
<b>NF-3</b>	<b>Reliability</b>	valid medical suggestions and proper guidance is given in the application.
<b>NF-4</b>	<b>Performance</b>	The geo-fencing algorithm is updated daily and shows the day-to-day updates of the contaminated zones using log scheduling.
<b>NF-5</b>	<b>Availability</b>	Medicinal Recommendations, Test kits, Doctor suggestions in the Contaminated zones are available in applications.
<b>NF-6</b>	<b>Scalability</b>	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.