

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

Date	03 October 2022
Team ID	PNT2022TMID08249
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
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Verification	Verification using phone number
FR-4	User Login	<ul style="list-style-type: none"><li>Login using email and password.</li><li>One time login, required whence installing using the app for the first time.</li></ul>
FR-5	Primary Specifies	<ul style="list-style-type: none"><li>Highlight of containment zones in a map interface is to be shown to the user.</li><li>Instant notification delivery on user-entry into a containment zone.</li></ul>
FR-6	Additional Features	<ul style="list-style-type: none"><li>COVID statistics to be shown to the user.</li></ul>

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	<ul style="list-style-type: none"><li>The application should provide a good UI/UX design with seamless navigation across sections of the app.</li></ul>
NFR-2	<b>Security</b>	<ul style="list-style-type: none"><li>Passwords should not be stored by the application.</li><li>Privacy and security of the user must be maintained.</li></ul>
NFR-3	<b>Reliability</b>	<ul style="list-style-type: none"><li>The data provided by the application should be reliable.</li></ul>
NFR-4	<b>Performance</b>	<ul style="list-style-type: none"><li>The system's performance should not be affected by a change in the number of users.</li></ul>
NFR-5	<b>Availability</b>	<ul style="list-style-type: none"><li>The application and its resources must be available at all times.</li></ul>
NFR-6	<b>Scalability</b>	<ul style="list-style-type: none"><li>The application must be extendable to a larger scale of users.</li></ul>