

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

Date	12 October 2022
Team ID	PNT2022TMID23042
Project Name	Covid-19 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	Sign in / Login	Register with username, password
FR-2	Profile Registration	Register with username, password, email,vaccination certificate. . This data will be stored in a database.
FR-3	Containment zone display	Display containment zones on map format based on current covid cases in that particular location.
FR-4	Notification	A notification will be intimated through mail while user enters containment zone.
FR-5	vaccination Registration	User can get their e-certificate of the vaccination.
FR-6	Logout	Use logout option.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	The webpage will be designed in such a way that any non-technical user can easily navigate through it . (easy and simple design)
NFR-2	<b>Security</b>	Using of python flask to cloud connect will provide security to the project. Database will be safely stored in DB2.
NFR-3	<b>Reliability</b>	To make sure the application doesn't go down due to network traffic.
NFR-4	<b>Performance</b>	Focus on loading the application as quickly as possible irrespective of the number of user/integrator traffic.
NFR-5	<b>Availability</b>	The application will be available to all users (network connectivity is necessary) at any given point of time.
NFR-6	<b>Scalability</b>	Increasing the storage space of database can increase the number of users. Add some features in future to make the webpage unique and

		attractive.
--	--	-------------