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

Date	03 October 2022
Team ID	PNT2022TMID00605
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 Form using Mail or Phone number
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Alert message via Notification	GPS tracking and notification services
FR-4	Show infected zones	Geo-fence sketching
FR-5	Track alternate routes	Using Google Maps API

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	GUI is easier to interact with.
NFR-2	**Security**	The data collected from the user will be stored securely.
NFR-3	**Reliability**	The user can trust the results and navigate safely.
NFR-4	**Performance**	Accurate results can be achieved due to real-time location sharing.
NFR-5	**Availability**	Available if the network bandwidth of the user is of good range.
NFR-6	**Scalability**	The application can be used from anywhere and can also be implemented for both mobile and web apps for the user to interact.