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

Date	15 October 2022
Team ID	PNT2022TMID45894
Project Name	Containment Zone Alerting Application
Maximum Marks	4 Marks

Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	User can register through Email id or current phone number.
FR-2	User Confirmation	Confirmation can be done by verification code through mail or OTP.
FR-3	Track the location	Trace the trespassers by using Google map API and updates the locations of the area in the Google map which are identified as containment zones.
FR-4	Affected areas are shown	Containment zones were marked using zone colors and trespassers are indicated by geo fencing.
FR-5	Alert notification	By tracking their location using GPS system, notification or message will be send if the user enters the containment zone.

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	User interface is very effective to use when compared with other and improves the efficiency and completeness of the investigation process for COVID-19 cases
NFR-2	**Security**	Data from the user will be secured.
NFR-3	**Reliability**	User can trust the details given by the application and can travel safely.
NFR-4	**Performance**	Most appropriate results can be achieved by using the Geofencing and GPS.
NFR-5	**Scalability**	This application can be accessed from anyplace and information about the zones are up to date.