

## Project Design Phase - II

### Solution Requirements

Date	09 October 2022
Team ID	PNT2022TMID31840
ProjectName	Project - <b>CONTAINMENT ZONE ALERTING APPLICATION</b>
MaximumMarks	4Marks

#### FunctionalRequirements:

Followingarethefunctional requirementsoftheproposedsolution.

FR No.	FunctionalRequirement(Epic)	SubRequirement(Story/Sub-Task)
FR-1	<b>UserRegistration</b>	It can be registered by valid Email id or Phone number
FR-2	<b>UserConfirmation</b>	Verification code can recieved by Registering mail id or phone number
FR-3	<b>Alertmessagevia Notification</b>	By user access of location while entered in the alerted area the notification are send by GPS tracking system and push the grids through mail id.
FR-4	<b>Showinfectedzones</b>	Marked by Geo fencing .
FR-5	<b>Trackalternateroutes</b>	By Google map API or Google dependencies.

#### Non-functionalRequirements:

Followingarethethe non-functionalrequirementssoftheproposed solution.

FR No.	Non-FunctionalRequirement	Description
NFR-1	<b>Usability</b>	GUI is easier to interact with.
NFR-2	<b>Security</b>	The data collected from the user will be stored securely.
NFR-3	<b>Reliability</b>	The user can trust the results and navigate safely.
NFR-4	<b>Performance</b>	Accurate results can be achieveddueto real-time locationsharing.
NFR-5	<b>Availability</b>	Available ifthe network bandwidthofthe userisof good range.
NFR-6	<b>Scalability</b>	The application can be used from anywhere and canalsoimplemented forbothmobileandweb apps forthe userto interact.