

Project Design Phase - II

Solution Requirements

Date	09 October 2022
Team ID	PNT2022TMID00768
ProjectName	Project - CONTAINMENT ZONE ALERTING APPLICATION
MaximumMarks	4Marks

FunctionalRequirements:

Followingarethefunctional requirementsoftheproposedsolution.

FR No.	FunctionalRequirement(Epic)	SubRequirement(Story/Sub-Task)
FR-1	UserRegistration	It can be registered by valid Email id or Phone number
FR-2	UserConfirmation	Verification code can recieved by Registering mail id or phone number
FR-3	Alertmessagevia Notification	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	Showinfectedzones	Marked by Geo fencing .
FR-5	Trackalternateroutes	By Google map API or Google dependencies.

Non-functionalRequirements:

Followingarethethe non-functionalrequirementsoftheproposed solution.

FR No.	Non-FunctionalRequirement	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 achieveddueto real-time locationsharing.
NFR-5	Availability	Available ifthe network bandwidthofthe userisof good range.
NFR-6	Scalability	The application can be used from anywhere and canalsoimplemented forbothmobileandweb apps forthe userto interact.