

Project Design Phase - II

Solution Requirements

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| Date | 09 October 2022 |
| Team ID | PNT2022TMID31809 |
| 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 usertointeract. |