Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 14 october 2022 |
| Team ID | PNT2022TMID13904 |
| Project Name | Containment Zone Alerting Application |
| Maximum Marks | 4 Marks |

# Functional Requirements:

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration in the form using Phone number or Email |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | Containment Zones | Access to Google Maps via API and using Geo-fence Sketching |
| FR-4 | Notification Alert System | Continuous GPS tracking and access to notification service. |
| FR-5 | Alternate routes | Using Google Maps service |

# Non-functional Requirements:

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

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The Application’s UI should be easy to use. |
| NFR-2 | **Security** | The data obtained from the user and other relevant details should be securely stored on the server. |
| NFR-3 | **Reliability** | The data shown to the user should be reliable and accurate. |
| NFR-4 | **Performance** | The application should be smooth without any lag and real-time location sharing should be accurate. |
| NFR-5 | **Availability** | The availability of the data from the server should be available without any interruption. |
| NFR-6 | **Scalability** | The application should be available to use from anywhere and anytime. |