

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

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| Date | 17 October 2022 |
| Team ID | PNT2022TMID45996 |
| Project Name | Project -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 make Registration through Form Registration through Gmail Registration through Linked IN ,Mobile Phone |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP Confirmation via Phone call |
| FR-3 | Track the Location | Track the location through Google map and update and identify the areas of containment zone |
| FR-4 | Affected area | Containment zones were marked using zone colour and people are indicated by geo fencing. |
| FR-5 | Alert Notification | User will get a notification or message if they enter 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. |

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| NFR-2 | Security | User data will be secured. |
| NFR-3 | Reliability | User can trust this application and travel safely. |
| NFR-4 | Performance | By using GPS and Geo fencing it will provide accurate result. |
| NFR-5 | Availability | This will be available for good range of network bandwidth areas. |
| NFR-6 | Scalability | It can be accessed from anyplace at any time. |