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

| Date | 07 November 2022 |
|---|---|
| Team ID | PNT2022TMID52335 |
| Project Name | Containment Zone Alerting Application |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|---|---|---|
| FR-1 | User Registration | Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Email |
| FR-3 | User Login | Login the application by entering email & password |
| FR-4 | User Login | Give forget password and verify through email |
| FR-5 | User dashboard | Enter through the Location |
| FR-6 | User Notification | Receive alert message from containment zone |

**Non-functional Requirements:**

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

| FR No. | Non-Functional Requirement | Description |
|---|---|---|
| NFR-1 | Usability | Make use of the user authentication methods available on the smartphone platform in particular as regards access to sensitive information. |
| NFR-2 | Security | The apps should be secure out-of-the-box with settings that are secure-by-default.It is important to design an user-friendly application to avoid security issues due to misconfiguration by user. |
| NFR-3 | Reliability | The Application provides an efficient way of showing the identified Covid-19 containment zones to the users in a Google map.It sends separate notification alerts to the user on entering the containment zone. |
| NFR-4 | Performance | The devices may be running vulnerable software ,and some built-in security functions may not be available. |
| NFR-5 | Availability | The application has been tested in various locations and has been found to yield accurate result. |
| NFR-6 | Scalability | Scalability to the user,The technological requirements of the devices should be kept to the maximum possible and avoid technical capabilities only available on latest technological platforms. |