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

| Date | 17 October 2022 |
|---|---|
| Team ID | PNT2022TMID21935 |
| Project Name | Project - IOT Based Safety Gadget for Child Safety Monitoring & Notification |
| 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 Form <br> Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Mail <br> Confirmation via OTP |
| FR-3 | User Notification | Notification to registered Mobile number <br> Notification via message |
| FR-4 | User location check | Check through account |

**Non-functional Requirements:**

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

| FR No. | Non-Functional Requirement | Description |
|---|---|---|
| NFR-1 | Usability | Allows parents to keep a track of their child's location and also, help them raise an alarm in case of an emergency. |
| NFR-2 | Security | Creates a secure environment for child to move around. |
| NFR-3 | Reliability | Increased reliability towards technology and reduced reliability towards guardians. |
| NFR-4 | Performance | High performance in terms of simple usage and security. |
| NFR-5 | Availability | Any time usage backed up by power supply. |
| NFR-6 | Scalability | High level with increase in performance. |