# BATCH NUMBER : B9-3A5E

Project Design Phase-II

**Solution Requirements (Functional & Non-functional)**

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| Date | 15 October 2022 |
| Team ID | IBMSI20220041672 |
| Project Name | IOT based safety gadget for child safety and notification system |
| 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 | Enlistment through account and  through Gmail |
| FR - 2 | User Confirmation | Email confirmation and confirmation by  OTP |
| FR - 3 | User Notification | Notification to registered mobile number via message |
| FR - 4 | User location check | Location check through account |

## 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** | Allows parents to track and assist their child's location. Sound the alarm in an emergency.  . |
| NFR – 2 | **Security** | Creates a secure environment when the child moves around. |
| NFR – 3 | **Reliability** | Increased reliability towards  technology and reduced reliability towards guardians. |
| NFR – 4 | **Performance** | High performance in the sense usage  and security. |
| NFR – 5 | **Availability** | Reliable use of electricity and all time  delivery. |
| NFR - 6 | **Scalability** | High stage with growth in performance. |