**Project Design Phase-II**

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

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID16946 |
| Project Name | Project –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 reliability towards and reduced reliability towards guardians. |
| NFR-4 | **Performance** | High performance in the sense usage and security. |
| NFR-5 | **Availability** | Relaible use of electricity and all time delivery. |
| NFR-6 | **Scalability** | High stage with growth in performance. |