**Project Design Phase-II**

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

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID11555 |
| 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.** | **Function Requirement** | **Sub Requirement(Story/Sub-Task** |
| FR-1 | User Registration | Registration through account  Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | User Notification | Notification via message |
| FR-4 | User location check | 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** | Parent keep track of their child location . |
| NFR-2 | **Security** | It is use have a secure environment for the children |
| NFR-3 | **Reliability** | Increased reliability towards technology and reduce  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 |