Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID48980 |
| 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.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Form Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Mail Confirmation via OTP |
| FR-3 | User Notification | Notification to registered Mobile number 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** | 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. |