Project Design Phase-II

Solution Requirements (Functional & Non- functional)

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| Team ID | PNT2022TMID12698 |
| Project Name | IoT based safety gadget for child safety and notification system |

# 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 account Registration through Gmail |
| FR - 2 | User Confirmation | Confirmation via Email 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 children 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. |