

**Project Design Phase-II**  
**Solution Requirements (Functional & Non-functional)**

Date	18 October 2022
Team ID	PNT2022TMID44152
Project Name	IoT Based Safety Gadget For Child Safety Monitoring & Notification
Maximum Marks	4 Marks

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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 Email Confirmation via OTP
FR-3	User Notification	Notification send to Mobile Number Notification send through message/ call
FR-4	User Location Check	Check through Account

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Allow parents to track their child's location and also monitor them.
NFR-2	<b>Security</b>	Creates a secure environment for children to monitor around
NFR-3	<b>Reliability</b>	Increased reliability towards technology
NFR-4	<b>Performance</b>	High performance in terms of simple usage and security
NFR-5	<b>Availability</b>	Backup power supply
NFR-6	<b>Scalability</b>	Increase in scalability