

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

Date	15 October 2022
Team ID	PNT2022TMID25977
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.

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.

FR No.	Non-Functional Requirement	Description
NFR – 1	<b>Usability</b>	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	<b>Security</b>	Creates a secure environment for children to move around.
NFR – 3	<b>Reliability</b>	Increased reliability towards technology and reduced reliability towards guardians.
NFR – 4	<b>Performance</b>	High performance in terms of simple usage and security.
NFR – 5	<b>Availability</b>	Any time usage backed up by power supply.
NFR - 6	<b>Scalability</b>	High level with increase in performance.