

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

Date	10 October 2022
Team ID	PNT2022TMID15120
Project Name	Project - IOT Based Safety Gadget for Child Safety Monitoring & Notification
Maximum Marks	4 Marks

**Functional Requirements:**

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.
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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 Registration through LinkedIn
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.

NFR-5	<b>Availability</b>	Any time usage backed up by power supply.
NFR-6	<b>Scalability</b>	High level with increase in performance.