

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

Date	03 October 2022
Team ID	PNT2022TMID05117
Project Name	IOT based Safety Gadget for Child Safety Monitoring and 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 Mobile number/ Email
FR-2	User Confirmation	Confirmation via Email / SMS Confirmation via OTP
FR-3	Children information	Child Name, address, Emergency number
FR-4	Location	GPS module, Wi-Fi module
FR-5	Sensors	Temperature, Heart Rate
FR-6	Notification	Crossing Geo fence

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	User-friendly mobile application
NFR-2	<b>Security</b>	Secure cloud data base
NFR-3	<b>Reliability</b>	Water/sweat resistant
NFR-4	<b>Performance</b>	High accuracy and battery life
NFR-5	<b>Availability</b>	Low cost
NFR-6	<b>Scalability</b>	Proper network connection