

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

Date	16 October 2022
Team ID	PNT2022TMID14424
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	User should register via email
FR-2	User Authentication	The identity of the user is verified
FR-3	User Notification	Notification to registered mobile number
FR-4	Log in to the system	Log in to the system and check the child activity
FR-5	Manage the activity	Then check the child's location
FR-6	Sensors	Temperature, Heart rate etc.
FR-7	Log out	Then log out of the system

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Usability is about effectiveness and efficiency. Our system provides over all satisfaction to the user.
NFR-2	<b>Security</b>	Our security system is to create a secure environment to the children.
NFR-3	<b>Reliability</b>	Our model is reliable because it increased reliability towards technology and reduced reliability towards guardians.
NFR-4	<b>Performance</b>	Using this technology, parent's can monitor their child location and also monitor their child health status.
NFR-5	<b>Availability</b>	The proposed model has suitable recoverability and it is rechargeable.
NFR-6	<b>Scalability</b>	High level with increase in performance and it is one of the main concerns of iot domain.