

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

Team ID	PNT2022TMID18204
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 Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Temperature sensor	If the temperature of the child exceeds the threshold, then an alert will be sent to parents mail.id.
FR-4	Respiratory Rate sensor	If the respiratory rate of the child exceeds the threshold, then an alert will be sent to parents mail.id.
FR-5	Pulse Rate detection	If the pulse of the child exceeds the threshold, then an alert will be sent to parents mail.id.
FR-6	GPS	The parents can detect their child location.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	This is used for child safety via mail id.
NFR-2	<b>Security</b>	This is used to secure their kids.
NFR-3	<b>Reliability</b>	The parents can save their children from danger.
NFR-4	<b>Performance</b>	It sends notification to the parents when their child is in critical condition.
NFR-5	<b>Availability</b>	Through the development of the child safety, the parents can manage their kids.
NFR-6	<b>Scalability</b>	The project is very much efficient because it is based on IOT.