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

Date	25 October 2022
Team ID	PNT2022TMID52022
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	**Usability**	This is used for child safety via mail id.
NFR-2	**Security**	This is used to secure their kids.
NFR-3	**Reliability**	The parents can save their children from danger.
NFR-4	**Performance**	It sends notification to the parents when their child is in critical condition.
NFR-5	**Availability**	Through the development of the child safety, the parents can manage their kids.
NFR-6	**Scalability**	The project is very much efficient because it is based on IOT.