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

Date	03 October 2022
Team ID	PNT2022TMID49797
Project Name	Project – 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 Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Authentication	Only the authorized people for that product will know the ensures security.
FR-4	User Interface	The monitor able to see the location of child when they are out of geofence will also track the exact information about the children.
FR-5	Notification	Notified through mobile and mail.
FR-6	Identification	Child can be identified by it's exact location through GPS.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	We can access child location through mobile application. It is portable and comfortable to use.
NFR-2	**Security**	Database security and the safety of the product while in use.
NFR-3	**Reliability**	It creates a good environment for users to use. Once logged in the webpage will available until the log out.
NFR-4	**Performance**	A notification must sent immediately if seen a change in the child's location. Database needs to be updated every seconds.
NFR-5	**Availability**	The data will be available whenever needed.
NFR-6	**Scalability**	The process must be flexible to use at anytime.