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

Team ID	PNT2022TMID18458
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
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Notification	Notified via Mobile Web app
FR-4	User Interface	Mobile Web App user can create the geofence
FR-5	User Interface	Mobile Web App user able to see location of children when they are out of geofence

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Accessed through Mobile Web app Showing location of the child
NFR-2	Security	Database security must meet HIPAA requirements
NFR-3	Reliability	Once logged in ,webpage is available until logging out of app
NFR-4	Performance	Each page must load with minimum time
NFR-5	Availability	Must be active through out the day and remain active atleast a week for a single charge.
NFR-6	Scalability	The process must finish within 3 hours so data is available in the morning after an overnight update