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

Date	31 October 2022
Team ID	PNT2022TMID33996
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	Notification	Notified Via mobile app
FR-4	User Interface	Mobile App-MIT App inventor
		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 App
		Showing location (latitude and longitude) of child
NFR-2	Security	Database security must meet
		HIPAA requirements
NFR-3	Reliability and Availability	Once logged in ,webpage is available until logging
		out of the app
NFR-4	Performance	Each page must load within 2 seconds
NFR-6	Scalability	The process must finish within 3 hours so data is
		available by 8 a.m. local time after an overnight
		update