

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

Date	16 October 2022
Team ID	PNT2022TMID21741
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	Notification	Notified through mobile app
FR-4	User interface	Mobile App: MIT App inventor Able to see location of children when they are out of geolocation.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Accessed Via Mobile App Showing location of child.
NFR-2	Security	Database security must meet Health Insurance Portability and Accountability Act (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 few seconds
NFR-5	Scalability	The process must finish within 3 hours so data is available by 8 a.m. local time after an overnight update