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

Date	03 October 2022
Team ID	PNT2022TMID15065
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 (HTPAA) requirements
NFR-3	**Reliability**	Once logged in, webpage is available until logging out of the app
NFR-4	**Performance and Availability**	Each page must load within few seconds
NFR-5	**Scalability**	The process must finish within 3 hours so data is available by 8 am local time after an overnight update