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

Date	03 October 2022
Team ID	Pnt2022TMID44808
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 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	Once logged in ,webpage is available until logging out
NFR-4	Performance	Each page must load within 2 seconds
NFR-5	Availability	Can be available at all time 24/7
NFR-6	Scalability	The process must finish within 3 hours so data is available by 8 a.m. local time after an overnight update