

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

Date	19 October 2022
Team ID	PNT2022TMID24179
Project Name	IOT based safety gadget for child safety monitoring and notification
Maximum Marks	4 Marks

**Functional Requirements :**

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Accessed through Mobile App Showing location (latitude and longitude) of child

NFR-2	<b>Security</b>	Database security must meet HIPAA requirements
NFR-3	<b>Reliability and Availability</b>	Once logged in ,webpage is available until logging out
NFR-4	<b>Performance</b>	Each page must load within 2 seconds

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 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.

NFR-6	<b>Scalability</b>	The process must finish within 3 hours so data is available by 8 a.m. local time after an overnight update
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