

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

Date	13 November 2022
Team ID	PNT2022TMID06124
Project Name	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
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Notification	Notified via Mobile app
FR-4	User Interface	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	Access through mobile app to showing location(latitude and longitude) of children.
NFR-2	Security	Database security must meet HIPAA requirements.
NFR-3	Reliability	Log in is must in the app.
NFR-4	Performance	Each page has load in few seconds and it was better performance for user.
NFR-5	Availability	Once login the environment it was update to the information in automatically.
NFR-6	Scalability	It has Most important to the data and Network communication modules.