

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

Date	09 November 2022
Team ID	PNT2022TMID50197
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 can see and check the location of the child 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	If can be accessed through mobile application (Latitude and Longitude can be displayed)
NFR-2	Security	Database security must be end to end encrypted.
NFR-3	Reliability and Availability	Once logged in web page is available until the app is closed.
NFR-4	Performance	Each page must load with in 1.5sec.
NFR-5	Scalability	The process must finish within 3 hours so data is available by 8 a.m.