

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

Team ID	PNT2022TMID32775
Project Name	IOT Based Safety Gadget for Child Safety Monitoring and Notification

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 IP address
FR-2	User Confirmation	Confirmation via OTP
FR-3	Notification	Notified via Mobile Web app –MIT app inventor
FR-4	Database	Create and maintain a database containing user(child's) locations
FR-6	User interface	Mobile app inventor-MIT app inventor Able to see location of children when they are out of range

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The device and its applications are user-friendly. The device is portable and easy to use.
NFR-2	Security	Providing permission for some information can only be decided by the user
NFR-3	Reliability	Webpage gets automatically logout unless signal is not distorted
NFR-4	Performance	Each page must load with minimum time
NFR-5	Availability	Can last as long as backup power supply is available
NFR-6	Scalability	Short term scalability where memory is stored and erased can be scaled to keep records in the future