

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

Date	17 October 2022
Team ID	PNT2022TMID30855
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 Mobile number/ Email
FR-2	User Confirmation	Confirmation via Email / SMS Confirmation via OTP
FR-3	Children information	Child Name, address, Emergency number
FR-4	Location	GPS module, Wi-Fi module
FR-5	Sensors	Temperature, Heart Rate
FR-6	Notification	Crossing Geo fence

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	User-friendly mobile application
NFR-2	Security	Secure cloud data base
NFR-3	Reliability	Water/sweat resistant
NFR-4	Performance	High accuracy and battery life
NFR-5	Availability	Low cost
NFR-6	Scalability	Proper network connection