

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

IoT Based Safety Gadget For Child Safety Monitoring & Notification

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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 MailConfirmation via OTP
FR-3	User Notification	Notification to registered Mobile numberNotification via message
FR-4	User location check	Check through accounts

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Develop a prototype of IoT wearable smart band connected to parents' mobile apps so that they can monitor the actual condition of children at anytime and anyplace.
NFR-2	Security	Creates a secure environment for child to move around.
NFR-3	Reliability	Increased reliability towards technology and reduced reliability towards guardians.
NFR-4	Performance	High performance in terms of simple usage and security.

NFR-5	Availability	High usage backed up by power supply.
NFR-6	Scalability	increase in performance.