

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

Date	15 October 2022
Team ID	PNT2022TMID49482
Project Name	IOT based safety gadget child 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 Gmail Create an account Follow the instructions
FR-2	User Confirmation	Confirmation via SMS Confirmation via audio and video to mobile.
FR-3	Interface sensor	Interface sensor is set in smart watch of if the child in dangerous sent a alert message to parent.
FR-4	Accessing datasets	Datasets are retrieved from Cloudant DB
FR-5	Mobile application	Alert message is sent but no mobile application

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The Wearble device is used to help the child from critical situation.
NFR-2	Security	We have designed this project to secure the child from the dangerous location.
NFR-3	Reliability	This project will help the parent to monitor the child's location and sends a notification to the parents or guardians.
NFR-4	Performance	IOT devices and sensors are used to indicate the parents through message if the child press the emergency button.
NFR-5	Availability	By developing and deploying resilient hardware and software we can protect the child from dangerous situations.
NFR-6	Scalability	Since this system helps easy to know child exact activities and these are safety too because the parents choosing this type of device for child safety.