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

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Date	14 November 2022
Team ID	PNT2022TMID14667
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 Gmail Registration through Mobile number
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Interface	To create geofence and store it in db To show and check the current location of that user
FR-4	Notification	Via SMS contains user's current location
FR-5	SOS Emergency	Inbuilt button will be provided in the mobile app to call the emergency contact

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	To create the geofence and check whether the user is within the geofence, if not. To alert the emergency contact
NFR-2	**Security**	Data security must meet HIPAA requirement
NFR-3	**Reliability**	Accurate data results must be provided at all times
NFR-4	**Performance**	Each button assigned with their own functionalities must provide fast and efficient service to the user
NFR-5	**Availability**	The data collected by the mobile app must be available at any time
NFR-6	**Scalability**	Ability to process and update user's data instantly