

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

Date	16 October 2022
Team ID	PNT2022TMID01305
Project Name	Project - IoT Based Safety Gadget for Child Safety Monitoring & 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 Form Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Setting Geo-Fence	Set the Perimeter of area for geo-fencing
FR-4	Alert Message	Alert message will be sent to the mobile number when the child crosses the geo-fenced area

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Users friendly interface. Easily accessible.
NFR-2	<b>Security</b>	System requires the user to enter a user id and password to access the account.
NFR-3	<b>Reliability</b>	If the band goes out it will accurately define a solution.
NFR-4	<b>Performance</b>	The device will perform extremely well under all conditions.
NFR-5	<b>Availability</b>	If it is proposed it will be easily available to every customer .
NFR-6	<b>Scalability</b>	Once it is easily proposed there will be no hardware updation.