

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

Date	25 OCT 2022
Team ID	PNT2022TMID35146
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	Sub Requirement
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	Usability	Users friendly interface. Easily accessible.
NFR-2	Security	System requires the user to enter a user id and password to access the account.
NFR-3	Reliability	If the band goes out it will accurately define a solution.
NFR-4	Performance	The device will perform extremely well under all conditions.
NFR-5	Availability	If it is proposed it will be easily available to every customer .
NFR-6	Scalability	Once it is easily proposed there will be no hardware updation.