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

Date	03 October 2022
Team ID	PNT2022TMID14810
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 Mobile Application or Registration through Web Application
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User login	Setting User ID and password
FR-4	Permission for Accessing the Application	Grant the permission for location,contact,images and media(audio).
FR-5	User information	Entering the information of the child like name,age etc.
FR-6	Permission for sending alarm	Permission should be given to send the live location and an alarm to the family in case of emergency
FR-7	User Authorization levels	Only authorized user can access
FR-8	Security	Notification for identity confirmation is sent via mail

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The device is user-friendly and portable to use.
NFR-2	**Security**	Security of the device should be ensured regularly using a security application
NFR-3	**Reliability**	An update will be given if any bugs or errors are found in the Application.
NFR-4	**Performance**	The device storage capacity and battery performance should be monitored periodically
NFR-5	**Availability**	Device should be available always with fully charged to undergo emergency conditions
NFR-6	**Scalability**	Works good in all conditions