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

Date	16 November 2022
Team ID	PNT2022TMID48118
Project Name	Project – IoT based safety gadgets 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 Website Registration through Gmail Registration through Application
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Application Installation	Install through play store/App store Install through links
FR-4	Detect the location of the child	Detect the location through web sites Detect the location via app
FR-5	Database	History of location stored in cloud server
FR-6	Notification to User	Notification via Gmail Notification via Message

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The device and its applications are user-friendly. It is portable and easy to use.
NFR-2	**Security**	It gives a sense of assurance to parents about their children's security as the gadget uses GPS and GSM to track their live location.
NFR-3	**Reliability**	It is transportable, Easy to access, and Flexible. The user will be notified with an update if any errors are found, for the efficient functioning of the device
NFR-4	**Performance**	Data Accuracy. Poor performance in Network less area.
NFR-5	**Availability**	It provides the live location details. The site is available on online.
NFR-6	**Scalability**	Camera and sensors are embedded wiith the device for ensuring the safety and security. It provides live footage.