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

Date	17 October 2022
Team ID	PNT2022TMID04739
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 google Form Registration through Email Registration through call using Mobile number Registration in person(face to face registration)
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Notifications	Email and SMS as text message
FR-4	User Interface	Mobile app for parents to track Web interface for useregistrations, record tracking, information and payment

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	When child crosses the geofence,the user or parents or guardian gets the alert message.
NFR-2	**Security**	Database security must meet HIPAA requirements. Extra security protocols and measures are also in place.
NFR-3	**Reliability**	Webpage gets automatically logged out unless password has been saved in the Google account. In case of server crash data gets backed up.
NFR-4	**Performance**	Site gets updated. Speed per transaction depends on the internet strength.
NFR-5	**Availability**	Available world wide, and requires an internet source.
NFR-6	**Scalability**	Short term scalability where memory is stored and erased, can be scaled to keep records in the future.