PROJECT DESIGN PHASE -II

SOLUTION REQUIREMENTS (FUNCTIONAL &NON-FUNCTIONAL)

DATE	03 OCTOBER 2002
TEAM ID	PNT2022TMID51475
PROJECT NAME	PROJECT-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 REQUIREMENTS	SUB REQUIREMENTS (STORY/ SUB TASK)
FR-1	User Registration	Registration Through Form Registration Through Gmail Registration Through Linedln
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Authentication	Only the authorized person for that product will know ensures security
FR-4	User interface	The inventor able to see the location of children when they are out of geofence will also track the exact information about the children
FR-5	Notificaton	Notified through mobile and email

NON-FUNCTIONAL REQUIREMENTS

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

FR NO.	NON- FUNCTIONAL REQUIREMENT	DESCRIPTION
NFR-1	Usability	Accessed through Mobile App Showing location of child and also other measures to ensure safety like notification .Portable and comfortable to use.
NFR-2	Security	Database security and ensuring the safety of the product while in use.
NFR-3	Reliability	Once logged in, the webpage is available until logging out of the app, and a comfortable platform or creates a good environment for users to use.

NFR-4	Performance	Each page must load with in 4 seconds and database needs to be updated every few seconds and a notification must be sent immediately if seen a change in the child location.
NFR-5	Availability	The data must be available whenever needed and the product should be able to use at any time.
NFR-6	Scalability	The process must be flexible to use at any time and versatile.