

Solution Requirements

Date	20 November 2022
Team ID	PNT2022TMID14617
Project Name	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 From Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Notification	Notified via mobile app
FR-4	Detecting Child Location	Detecting Location via app and SMS
FR-5	User Interface	Able to see the exact location of child when they are out of geofence

Non-Functional Requirements:

Following are the non-functional requirements of the proposed solution

FR NO	Non-Functional Requirement	Description
NFR-1	Usability	The mobile app has use in GSM deliver the current location of child's and at time inform the parents
NFR-2	Security	When then children cross the specific area, will get an instant notification to parents and police
NRF-3	Reliability	Once logged in the webpage is available until logging out of the app and easy to use
NRF-4	Performance	The tracking device continuously monitoring the child's location. The notification sends the parents and child entire location stored
NRF-5	Availability	Track when child even in a crowded, when the child removes the device alert the parent automatically on in buzzer
NRF-6	Scalability	The process must be flexible to use at any time and long-life battery