

PROJECT DESIGN PHASE – II

FUNCTIONAL REQUIREMENTS

DATE	11-11-2022
TEAM ID	PNT2022TMID36623
PROJECT NAME	IoT Based Safety Gadget for Child Safety Monitoring & Notification

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 Gmail
FR-2	User Confirmation	Confirmation via Email
FR-3	User Authentication	User Verification through valid user Id and password
FR-4	User Access	Real Time monitoring of child's location through web portal for authorized users,
FR-5	User Alert	User receives alert notification of child and will be able to track the location
FR-6	Review and feedback	Receive feedback from user

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Easier installation process, and remote monitoring services
NFR-2	Security	Data encryption and cloud security
NFR-3	Reliability	Only authorized users have the access Assured data security
NFR-4	Performance	High accuracy of location Faster response of alert notification
NFR-5	Availability	The user can access the system 24/7 Real time monitoring system
NFR-6	Scalability	The system is scalable even in the case of poor geolocation