

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

Date	21 October 2022
Team ID	PNT2022TMID52822
Project Name	Project – IoT based Safety Gadget for child safety Monitoring and notification
Maximum Marks	4 Marks

TEAM MEMBERS	REGISTER NUMBER
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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 software application
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	IBM Cloud	All details of users are available in the cloud
FR-4	Application	Contains the location tracking details of the child

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	User can avail our application and continuously monitor the location of their children
NFR-2	Security	The user details are stored in the cloud with high encryption and these details are non-shareable
NFR-3	Reliability	Emergency notification along with real-time video will be sent to and display in the parents' mobile apps. Sending of notification if the child is out of location or when the device realizes abnormal conditions/situations.
NFR-4	Performance	Everything will be done quickly. Since it is online, Users can monitor their children without running behind them everywhere.
NFR-5	Availability	Since it is an online application, users can easily avail the app and also it is reliable to use.

NFR-6	Scalability	This idea can also be upgraded by adding some additional features in the future.
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