

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

Date	13 October 2022
Team ID	PNT2022TMID06857
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 Form Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Authentication	Confirming if the email id and password combination is correct
FR-4	User Verification	Sending the verification mail whenever the account is logged in
FR-5	Diverse Connectivity	Wi-Fi, LTE
FR-6	Compliance requirements	The solution complies with related regulations

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	<ul style="list-style-type: none">Users can easily navigate its interface.Users can easily determine what a feature is and what it can do
NFR-2	Security	<ul style="list-style-type: none">Systems require users to create accounts to access applications that store information and display profilesThe application will not grant access until the user creates a strong password.
NFR-3	Reliability	Highly reliable functions with the same or similar efficiency after extensive use.
NFR-4	Performance	The device performs well i.e. features of a system are functioning well based on what a developer predicted.
NFR-5	Availability	Platforms must offer exceptionally high availability
NFR-6	Scalability	Platform is fully able to support a small, initial implementation, but also able to scale out as our business needs grow.