

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

Date	11 October 2022
Team ID	PNT2022TMID11121
Project Name	IOT BASED DEVICE FOR CHILD SAFETY MONITORING AND 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 Requirements	A smart device will be given to the parents/guardian in order to ensure the safety of the children.
FR-2	User Registration	Manual Registration Through a Website or Gmail
FR-3	User Confirmation	Phone Confirmation Email confirmation OTP authentication
FR-4	Payments options	No payment required
FR-5	Product Delivery and installation	The installation fee will be determined with respect to the circumstances of the children and the parent.
FR-6	Product Feedback	Through a website via Gmail

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Have clear product instructions and a self-explanatory product that is simple to use.
NFR-2	Security	Cloud data must be contained within the network, collapsing to be avoided, Real-time avoidance should be avoided, and the device will be constantly monitored.
NFR-3	Reliability	Hardware is frequently tested.
NFR-4	Performance	The smart device will provide a better user experience and deliver accuracy output.
NFR-5	Availability	All of the functions that the user demands will be provided, depending on the needs of the consumer.
NFR-6	Scalability	The product is based on child safety so it must ensures all types of child safety parameters are true.