

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

Date	29 October 2022
Team ID	PNT2022TMID32971
Project Name	IOT BASED SAFETY GADGET 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 Registration	Registration through Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Authentication	Authentication is a key agreement for data confidentiality
FR-4	User network	Routing security,communication security
FR-5	Notification	Notification through the smart devices
FR-6	Sensor	Wireless sensor,temperature sensor used to tracking 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 based through mobile app showing notification.
NFR-2	Security	To prevent a system from a number of childrens.It identifies the wireless software and protects it from children.
NFR-3	Reliability	The aim is to analyse a product reliability so that customer can avail its utility.
NFR-4	Performance	Performance test can be defined as process that determines how fast the system performsunder a certain load condition.
NFR-5	Availability	Product or services availability based on geographic location.
NFR-6	Scalability	The process must be flexible use at anytime and any location.