

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

Date	18 October 2022
Team ID	PNT2022TMID50050
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 e-mail id & Mobile Number
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Web Application	Node -Red-Service
FR-4	Configure to Device	IBM Watson IoT Platform
FR-5	Database	RRI & Road Database
FR-6	Python Script	IBM IoT Platform

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	To help parents prevent from child kidnapping
NFR-2	Security	Information sends the parent
NFR-3	Reliability	More Consistency and Dependability
NFR-4	Performance	Provide Safety and Prevent from child kidnapping
NFR-5	Availability	Geofence Technology, video and message facility.
NFR-6	Scalability	To exceed future demand