

**M.A.M.COLLEGE OF ENGINEERING AND TECHNOLOGY
INFORMATION TECHNOLOGY
IBM NALAIYA THIRAN**

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

Team ID : PNT2022TMID45225
Team Size : 4
TITTLE NAME : Child Safety Monitoring And Notification System
DOMAIN NAME : Internet Of Things (IOT)
TEAM LEAD NAME : Priyadharshini M
TEAM MEMBERS NAME : Vijayalakshmi S
Ragavi R
Swetha K
MENTOR NAME : Fathimaa Chandhini

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

Date	01 november 2022
Team ID	PNT2022TMID45225
Project Name	Project – 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
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Notification	Notified via Mobile App
FR-4	User Interface	Mobile App- MIT App Inventor Able to see location of children when they are out of geofence

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Accessed through Mobile App Showing location (latitude and longitude) of child
NFR-2	Security	Database security must meet HIPAA requirements
NFR-3	Reliability and Availability	Once logged in ,webpage is available until logging out
NFR-4	Performance	Each page must load within 2 seconds
NFR-6	Scalability	The process must finish within 3 hours so data is available by 8 a.m. local time after an overnight update