

# SOLUTION REQUIREMENTS

DATE: 17-10-2022

TEAM ID: P N T 2 0 2 2 D M I D 1 8 9 7 9

TOPIC: IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION.

## 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	<b>Usability</b>	Accessed through Mobile App Showing location (latitude and longitude) of child
NFR-2	<b>Security</b>	Database security must meet HIPAA requirements
NFR-3	<b>Reliability and Availability</b>	Once logged in ,webpage is available until logging out of the app
NFR-4	<b>Performance</b>	Each page must load within 2 seconds
NFR-6	<b>Scalability</b>	The process must finish within 3 hours so data is available by 8 a.m. local time after an overnight update