

## Project Design Phase-II

### Solution Requirements (Functional & Non-functional)

Date	03 October 2022
Team ID	PNT2022TMID12738
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	<b>User Registration</b>	Registration through Form Registration through Gmail
FR-2	<b>User Confirmation</b>	Confirmation via Email Confirmation via OTP
FR-3	<b>Notification</b>	Notification through Mobile Application
FR-4	<b>User Interface</b>	Mobile App – MIT App inventor, which used to see the 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 via Mobile App which give information about the location (i.e.) latitude and longitude of the child
NFR-2	<b>Security</b>	Security of the Database must meet the The Health Insurance Portability and Accountability Act of 1996 (HIPAA) requirements
NFR-3	<b>Availability and Reliability</b>	Once logged in, webpage is available until logging out of the application
NFR-4	<b>Performance</b>	Each page must load within a couple of seconds
NFR-5	<b>Scalability</b>	The process must finish within 3 hours so data is available by 8 a.m. local time after an overnight update