

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

<b>Date</b>	23 October 2022
<b>Team ID</b>	<b>PNT2022TMID41116</b>
<b>Project Name</b>	<b>Project – IOT based safety gadget for child safety monitoring and notification</b>
<b>Maximum Marks</b>	4 Marks

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

<b>FR No.</b>	<b>Functional Requirement (Epic)</b>	<b>Sub Requirement (Story / Sub-Task)</b>
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 or message
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.

<b>FR No.</b>	<b>Non-Functional Requirement</b>	<b>Description</b>
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 9am local time after an overnight update