

**Project Design Phase-I**  
**Proposed Solution Template**

<b>Date</b>	24 September 2022
<b>Team ID</b>	PNT2022TMID06920
<b>Project Name</b>	IoT based safety Gadget for child safety monitoring and Notification.
<b>Maximum Marks</b>	2 Marks

**Proposed solution:**

Taking the safety of the child into consideration, the child is provided with a device which helps to monitor the location of the child.

<b>S. No</b>	<b>Parameter</b>	<b>Description</b>
1	Problem statement (problem to be solved)	The parent/guardian needs to ensure the safety of their children by receiving notifications about the location of the child so that they can regularly monitor the child's activity.
2	Idea / Solution description	A safety gadget to regularly monitor the child's activity. By creating a Geo-fence, location of the child in safety zone could be seen by the parents. With the help of various sensors, temperature, heart-rate, etc. of the child can also be monitored.
3	Novelty / Uniqueness	Instead of using wifi and Bluetooth, SMS and E-mail is used to share the details of the child. Also various sensors are also used.
4	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"><li>• Children could be regularly monitored.</li><li>• Information is sent to parents via both SMS and E-mail so connectivity will not be a barrier.</li></ul>
5	Business Model (financial Benefit)	Data from the device might be very useful for business involving analysis and detection.
6	Scalability of Solution	As the device has GPS tracker, geo-fence can be created over a wide range.