

Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID19513
Project Name	Project - IoT Based Safety Gadget for Child Safety Monitoring and Notification
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	In the majority of homes, both parents will be working. So they are unable to constantly watch over their child's activities. In a crowded setting, there is a chance that the child could get lost and it would be challenging to find them, which will worry the parents.
2.	Idea / Solution description	To design an app that uses the GPS module to display the child's position. The child's location should have a Geo-fence set up around it so that it may be checked on a regular basis to see if the child is inside its boundaries. A notification will automatically be created and delivered to the parents or caregiver if the child steps outside the Geo-perimeter. The parents will receive a notification of the child's location once every predetermined period of time.
3.	Novelty / Uniqueness	Different notification methods are provided for various situational circumstances. If a cloud request is made, the device will automatically send a notification to the parents.
4.	Social Impact / Customer Satisfaction	Because the parents will feel more at ease knowing where their children are, and because the kids will have more freedom, a safe and pleasant environment will be created for both the parents and the kids. The ability to track the child's location at any time and from any

		location puts parents at peace regarding their child's whereabouts.
5.	Business Model (Revenue Model)	Providing a gadget and a three-month free subscription to a live tracking and alerting service while selling the product to parents and childcare facilities. If customers enjoy using the device in this way, they can pay to subscribe for a variety of lengths and packages. The parents can feel at ease about their kids while using this technology, allowing them to focus on their work.
6.	Scalability of the Solution	The ongoing monitoring of the child's current location and the recording of the names of previous places visited by the child in a database for use in an emergency.