Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID25493
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 proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	In most of the houses both the parents will be going to work. So, they can't monitor their child's activity continuously. In crowded area there is possibility of losing the child it becomes difficult to track the location of the child which makes the parents nervous.
2.	Idea / Solution description	To create an app which shows the location of the child through the GPS module. Create a Geo-fence around the location of the child to continuously check whether the child is within the range of the Geo-fence. If the child crosses the range of the Geo-fence a notification will be automatically generated and will be sent to the parents/caretaker. The notification of the location of the child will be sent to the parents once every fixed amount of time.
3.	Novelty / Uniqueness	Providing different types of notification for different types of situation. The device will automatically send a notification to the parents if it is required from the cloud.
4.	Social Impact / Customer Satisfaction	This will create a safe and peaceful environment for both the parents and the children by making the parents relaxed by knowing the child's location and providing the freedom for children. This device makes the parents to feel at ease about their child's location as they can monitor the location of the child any time from anywhere.
5.	Business Model (Revenue Model)	Selling the product to the parents and childcare centers with a device and three months free subscription for live tracking and notification service. If they like this usage of the device they

		can pay and get the subscription for different duration and packs. By using this device the parents can feel relaxed about their children and can concentrate on their work.
6.	Scalability of the Solution	The continuous tracking of the child's live location and storing the names of the past location the child has visited in a database for the use of any emergency purposes