

Project Design Phase-I
Proposed Solution Template

Date	5 October 2022
Team ID	PNT2022TMID30282
Project Name	Project - IoT Based Safety Gadget for Child Safety Monitoring & Notification
Maximum Marks	2 Marks

S. No	Parameter	Description
1.	Problem Statement (Problem to be solved)	Now a days due to the digital world, In most of the houses both the parents will be going to work. So, they can't monitor their child in every minute of the 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	For this problem we are plan to create an app which shows the current location of the child through the GPS module. By 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 duration.
3.	Novelty / Uniqueness	We will implement the different alarm system for the different type of situations. Instead of giving the notification it will alert the parents by giving the huge sound so that parents can easily identify. We also implement the sensor which will indicate the good touch and bad touch.
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 anytime from anywhere.
5.	Business Model (Revenue Model)	Selling the product to the parents and childcare academy with a device and six months free subscription for live tracking and notification service so that they will understand the usage of the device. If they like this usage of the device they can pay and get the subscription for different duration and packs. By using this the parents can feel relaxed about their children and can concentrate their works.
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 data base for the use of any emergency purposes