

Project Design Phase-I
Proposed Solution

Date	19 October 2022
Team ID	PNT2022TMID01197
Project Name	IOT Based Safety Gadget for Child Safety Monitoring and Notification
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none"> ➤ No child should have to worry about his or her safety and welfare. Unfortunately, millions of children around the world are at risk for violence, abuse, and exploitation. There are several threats to the safety of children, most of which are interconnected. Read on to learn about these specific issues, how they are related to one another, and how they might be alleviated. ➤ Parents cannot know the previous location history of their children to find any lost belongings of them. ➤ Parents can neither contact nor instruct their children when they are far away from them.
2.	Idea / Solution description	<ul style="list-style-type: none"> ➤ Child tracker helps the parents in continuously monitoring the child's location. They can simply leave their children in school or parks and create a geofence around the location. ➤ By continuously checking the child's location notifications will be provided if the child crosses the geofence. Notifications will be sent according to the child's location to their parents or caretakers. The entire location data will be stored in the database.
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> ➤ Security ➤ Economical ➤ 24/7 monitoring ➤ Waterproof ➤ Fast tracking

4.	Social Impact / Customer Satisfaction	➤ Brief and correct information about child.
5.	Business Model (Revenue Model)	➤ Selling the product to child care organizations or centers. ➤ Selling the product via e-commerce.
6.	Scalability of the Solution	➤ Reliable and cost effective.