

Project Design Phase-I Proposed Solution Template

Date	1 October 2022
Team ID	PNT2022TMID023
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To help the parents in continuously monitor their children so that they can simply leave their children in school or parks and create a geofence around their location.
2.	Idea / Solution description	<ul style="list-style-type: none"> ➤ We have to continuously monitor the child's location and update the information to the parent or the caretakers using notifications. ➤ Also, we have to oversee the health-related information of the child. ➤ We have to provide the provision for the child to intimate an emergency situation.
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> ➤ If necessary, the parent and the child can communicate by sending voice messages. ➤ Parents can request child's location when required instead of monitoring all the time. ➤ Every one hour the location of the child will be updated to the parent.
4.	Social Impact / Customer Satisfaction	Improved safety index of places, provides freedom for the children with special needs.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> ➤ Selling the product directly to the parents (device + monthly subscription for tracking and notification service. ➤ Selling the product to the childcare centres.
6.	Scalability of the Solution	2G to 3G transition is possible and cameras could be added to the device.

