

Project Design Phase-I

Proposed Solution

Date	25 September 2022
Team ID	PNT2022TMID49482
Project Name	IOT – based Safety Gadget for Child Safety Monitoring and Notification
Team Lead	A.Saranya
Team Mates	Neha N Priyadharsini S Yazhini M
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)	IOT – based Safety Gadget for Child Safety Monitoring and Notification
2.	Idea / Solution description	Using Sound Sensor(if any object or Vehicles) Come it will detect it. REM-Sleeping NREM –Without Sleeping we can monitor the child is Sleeping or not.
3.	Novelty / Uniqueness	For use of blind child by finding their own language alphabet,numbers,letters it will help them to use smart watch. Solar watches if charge is down . Pressing Emergency button audio and video is shared instantly to parent directly through GSM module.
4.	Social Impact / Customer Satisfaction	Child tracker helps parents to monitor the child location. Improved safety index of places, provides freedom for the children with special needs. Parents track their children in real time of the location tracker by GSM.
5.	Business Model (Revenue Model)	Selling the product directly to the parents (Device + monthly Subscription for tracking & Notification Service) Selling the product the childcare centers
6.	Scalability of the Solution	The literature shows that location tracking devices are available in the market, but it does not provide the complete solution to the problem. The solution to this problem is to design an IoT device,which senses the child's location and environment and during emergency, it

		should send the alert to the parents automatically.
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