

Project Design Phase-I Proposed Solution Template

Date	16 November 2022
Team ID	PNT2022TMID48118
Project Name	IoT based safety gadget for child safety monitoring & 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)	Nowadays , Child kidnapping and abusing cases are increasing . Parents have no supplementary ideas to monitor their activities. The crisis out-turn of kidnapping can be highly cynical and perpetual, more measures must be taken to protect children against abduction .
2.	Idea / Solution description	In this project, we are going to develop a wearable safety gadget to display the live location of a child at any time on the parent's mobile to set the seal on their safety. 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 are going to implement the gadgets with several features such as sensors technology, availability of internet-connected devices; data analysis algorithms making IoT devices act smart in emergency situation without human interaction
4.	Social Impact / Customer Satisfaction	It will create a safe and secure 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 parents feel their child safe. They can monitor the location from anywhere.
5.	Business Model (Revenue Model)	It is a device with numerous subscriptions for tracking and notification assistance.The gadget can be acquired at an affordable rate.By using this the parents can feel relaxed about their children.

6.	Scalability of the Solution	This methodology can be further enhanced by the installation of the mini camera inside a smart gadget for exemplary security and protection so that a glimpse can be caught on the live footage on the parental phone during panic circumstances. If any conflict arises parents can see some of the attributes like the live location, temperature and heartbeat of the child.
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