

Project Design Phase-I
Proposed Solution Template

Date	23 September 2022
Team ID	PNT2022TMID20247
Project Name	Project - IOT Based Safety Gadget for Child Safety Monitoring&Notification
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Child abductors are continually abducting the children from parents/legally appointed guardians to get the ransom/money for their benefit. Where the Parents have no supplementary option but to view the exact scenario of children's intuitions. The crisis out-turn of kidnapping can be highly cynical and perpetual, more measures must be taken to protect children against abduction and its impacts.
2.	Idea / Solution description	<p>Our Smart IOT device for tracking the children is developed to aid parents for detection.</p> <p>In this project, we are going to develop a wearable safety gadget to display the live location of a children at any time on the parent's mobile to set the seal on their safety. The application is to track down the children when they're within Bluetooth range, also functions when the kids go farther afield. Its competence as a tracker is outstanding if you live in densely populated areas like cities or big towns.</p> <p>This means that will able to see the identity of the participating devices and also It helps to diminish their vulnerability in harmful situations and also protects the children in any emergency situations.</p>
3.	Novelty / Uniqueness	<p>The system software involuntarily alerts the parent/guardian by redirecting a text Message.</p> <p>Contrary to other devices, it has plenty of characteristics like the development of sensors technology, availability of internet-connected devices and the data analysis algorithms making IOT devices act smart in emergencies without human intervention.</p>
4.	Social Impact / Customer Satisfaction	Child abduction is a scorching subject all over the world. It is a complex crime that can impair a child's future. Parents should ensure that

		<p>their little ones are secure and are been protected from the menace of injury. In case of situation arises, notifications will be consigned to the Parents so that measures can be done at the apparent time, Via this, Child Safety can be assured and will take the edge off the crime rate.</p> <p>The parent can keep their children Secure with tension-free minded when they are away from them. Precisely predicting the circumstances of the children and swiftly sensing the problems around children will make parents at ease. It will be great helpful to parents who are busy workers not having time to watch over their children, and easy to operate so anyone can handle it.</p>
5.	Business Model (Revenue Model)	<p>In this contemporary market, this would be desired as kids need more protection in the current times. The gadget can be acquired at an affordable rate. Where Our gadget possesses a lot of ingenious attributes and it would be accessible and beneficial to everyone so it is a foundation for a prominent revolution in merchandise. It is a device with numerous subscriptions for tracing and notification assistance.</p>
6.	Scalability of the Solution	<p>This solution could 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 an intricacy arises parents can see some of the attributes like the location, temperature and heartbeat of the child along with living perspective around the children without deterrence.</p>