

Project Design Phase-I
Proposed Solution Template

Date	27 September 2022
Team ID	PNT2022TMID14424
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">• Due to the digital world, Now a days the parents will be going to work. So they can't monitor the child activity regularly.• Child kidnappers continue to kidnap children away from their parents or other legal guardians. More precautions must be taken against child abuse, accidents and kidnapping and its effects because the crisis that results from it can be extremely harsh.
2.	Idea / Solution description	<ul style="list-style-type: none">• Create a safe zone around the location of the child to continuously check whether the child is within the range of the safe zone. If the child crosses the safe zone a notification will be generated and the notification of the location of the child will be sent to the parents.• Use of IoT sensors enables to get accurate real time information such as temperature, heart rate, blood pressure and respiratory rate etc..
3.	Novelty / Uniqueness	<ul style="list-style-type: none">• IoT devices respond intelligently in emergencies without the need for human intervention, such as the advancement of sensor technology• It also helps the parents to monitor the health status of the children.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none">• When the children cross the safe zone the alerts message will be sent to the parents• It will be very useful for parents who don't have time to watch their children.• It is simple to use so anyone can use it.

5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> IoT revenue model sit at the heart of business models. They make all difference in considering deployment successful. The gadget is low cost so all parents can buy it. It is comfortable to wear.
6.	Scalability of the Solution	<ul style="list-style-type: none"> It could be improved any further by installing a little camera within a smart device for exceptional security and protection. Technical complexity is one of the greatest IoT scalability issues. By using right technology is paramount to safeguard.