

Project Design Phase-I

Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID04590
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification
Maximum Marks	2 Marks

Proposed Solution Template:

Here is our proposed solution for our problem statement

S.No.	Parameter	Description
1.	Problem Statement	<ul style="list-style-type: none">➤ Nowadays, Child safety is a bigger problem in the society. parents are fear about leaving or allowing their child alone.➤ Since, many people are going for the work, they don't have much time to watch their child. Sometimes, they are thinking about their child even at the work place.
2.	Idea / Solution description	<ul style="list-style-type: none">➤ With the help of IOT, we can solve this problem. The parent can make a Geofence around their required surroundings and the device will send the child's live location.➤ If the child crossed the boundary, then the device will send notification and alert the parent. It also allows them to monitor the current weather condition in the area, where child present.
3.	Novelty / Uniqueness	<ul style="list-style-type: none">➤ At the moment there are several tracking device that helps us to note our children's activity with ease. But, most of them has a limited feature. With the help of our device, the parent can monitor the child live location, current weather condition, if there is any emergency the child can turn on the camera, to show the scenario to their parents and also if the child crossed our designed boundary, the parent receive a notification.

4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> ➤ Even though there are many surveillance in the surrounding areas, we cannot assure that our family members are in a safe zone. ➤ But, this monitoring device will monitor every individual who are all wearing the device. It helps us to decide their members safety. ➤ As a device is small , it is comfortable to wear specific for children and it is user friendly too.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> ➤ Device can be obtained by paying for the IBM cloud/Watson subscription. ➤ It can be either yearly or monthly. ➤ Based on the term of subscription of 5-8% discount shall be made available.
6.	Scalability of the Solution	<ul style="list-style-type: none"> ➤ The future scope of the work is to implement the IoT device, which completely give protection to the child as much as possible and to make a fearless society.