

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID52022
Project Name	Project – Child Safety Monitoring
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)	More families are now spending time on work and social duties, hence away from their children. This causes increased concerns towards their safety and whereabouts, and has made keeping a track of their activities quite challenging. Crimes against children are increasing Year on Year. To overcome these issues we can access the system without internet and using high-speed server transmission.
2.	Idea / Solution description	The main theme of this work is to develop a child safety device which helps the parents to monitor their children when they are not with them. The device consists of temperature sensor, respiratory rate sensor, pulse rate detection sensor and GPS. So that, the parents get alerted and they can be able to see the location of the children

3.	Novelty / Uniqueness	This scenario not involves by adults only, but also happen to children. Some parents do not have the privilege to send or fetch their children at school. So by the of this system parents can received information if anything happen to their children such as accidents or involved in criminals, the notification is to the parents through their mail id at the instant time.
4.	Social Impact / Customer Satisfaction	Every parent is worried about their children's well-being and safety, often staying awake late at night for taking care of them. This will help parents to know very fast about their children. This inclusion of technology will make the parents very happy.
5.	Business Model (Revenue Model)	. The information indicating children's status, along with reference values will be sent to parents" devices through mail id. If children's actual data is not within the range of reference value, alert notification and some suggestions will be sent to parents' devices. Also, when children leave geofences, notification will be sent to parents' devices.
6.	Scalability of the Solution	This project is very much efficient because it is based on IOT. As the whole process is

		<p>going to be controlled by technology, there will be much less probability of error . As we use GPS tracking system, the location of the children can also be tracked. By using this system we can easily find ,whether their children are far away from the parents location.</p>
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