

INTERNET OF THINGS

IoT Based Safety Gadget For Child Safety Monitoring & Notification

Team Members

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Project Design Phase-I Proposed Solution Template

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 family's spent their time for work and social duties but since Children are gift of GOD they need care of family. The current situation of our country is not comfortable for monitoring children in school. With the absence of child monitoring system it is hard to monitor the where about of children.
2.	Idea / Solution description	<ul style="list-style-type: none">• Enable tracking of the child's location and capturing of data remotely such as temperature, pulse, respiratory rate, quality of sleep and many more.• To show the child's actual data with reference values.• Enable sending of notification if the child is out of location or when the device realizes abnormal conditions/situations.• To trigger the alarm and enable automatic video recording whenever the emergency button is pressed. Then, emergency notification along with real-time video will be sent to and display in the parents' mobile apps.• Develop a prototype of IoT wearable smart band connected to parents' mobile apps so that they can monitor the actual condition of children at anytime and anyplace.
3.	Novelty / Uniqueness	To overcome all such problems the recent innovations and technologies are recommended to improve the safety measure on children security. The Smart watches for kids can provide maximum services what parents need to know from their children place. But it can give only main areas which found in the GPS system.
4.	Social Impact / Customer Satisfaction	In our system, we provide an environment where this problem can be resolved in an efficient manner. It makes parents to easily monitor their children in real time just like staying beside them as well as focusing on their own career without any manual intervention.

5.	Business Model (Revenue Model)	one of the most dynamic and exciting developments in information and communications technology is the advent of the Internet of Things (IoT). Although networking technologies have become increasingly ubiquitous over the past two decades, until recently they have largely been restricted to connecting traditional end-user devices, such as mainframes, desktop and laptop computers, and, more recently, smartphones and tablets.
6.	Scalability of the Solution	The proposed system is equipped with GSM and GPS modules for sending and receiving call and SMS between safety gadget and parental phone, the proposed system also consists of Wi-Fi module used to implement IoT and send all the monitoring parameters to the cloud for android app monitoring on parental phone.