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# LITERATURE SURVEY OF IOT BASED SAFETY GADGET FOR CHILD MONITORING AND NOTIFICATION

**Team Leader:**

MOHAMMED ILHAM KHAN B

**Team Members:**

LOKESH R

KESAVA KUMAR R

POTHIRAJ M

# Paper Title:IoT Based Smart Gadget for Child Safety and Tracking

**Author(s):** N. Manjunatha, H. M. Jayashree, N. Komal , K. Nayana

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# Abstract:

This study focuses on designing a device that can track a child's whereabouts using GPS, as well as providing a panic button on the device to inform the parent calling for assistance over a GSM module. Android parental app is created to control and monitor the gadget at any moment. smart device gadget is constantly coupled to a parental phone that can and use a GSM device to send and receive SMS as well as phone calls. module, a wireless technology is also used on the apparatus which is advantageous to confine the gadget within a monitoring range, When a device leaves the monitoring area, an alert is generated. When activated on a binding device, this aids in maintaining a virtual watchover child. Health monitoring system on gadget checking for parameters like heart beat/pulse rate and temperature is included which can be monitored on parental app. Gadget also monitors whether it is plugged on hand or not using contact switch and alert the parent as soon as it is unplugged.

**Paper Title:** IoT-based Child Security Monitoring System

**Author(s):** Lai Yi Heng,Intan Farahana Binti Kamsin

**Published by & on:** Atlantis Press International B.V 2021

# Abstract:

Children's involvement in crime is on the rise today, which makes people more concerned about child protection. The goal of this research is to suggest an Internet of Things-based smart band for child safety. Data collection techniques include semi-structured interviews and online questionnaires. By providing questions electronically and requiring respondents to submit their responses online, the online survey collects feedback. In a semi-structured interview, the researcher meets the respondents and poses some preset questions while posing others that were not before thought of. A smart band has been proposed to monitor children's safety based on the information obtained. Parents can take action if something goes wrong because they are aware of what is going remotely thanks to this. In the future, this device will be improved by adding features software to create it functions like a phone, including capabilities like messaging, galleries, Google, and YouTube while also enhancing child safety measures.

**Paper Title:** Child Safety Monitoring System Based on IoT

**Author(s):** N. Senthamilarasi

**Published on:**2019

# Abstract:

Approximately 80% of all child abuse cases reported now around the world involve girls, with the other 26% being boys. In this world, a child goes missing every forty seconds. Children are the foundation of any country, thus if their future was threatened, it would have an impact on that country's overall development nation. The emotional and mental stability of the children is impacted by the maltreatment, which in turn destroys their future and career. The things that happen to these defense less kids are not their fault then, parents are in charge of raising their own children. However, given the state of the economy and their desire to put their Parents are compelled to yearn for their children's future and careers. Consequently, it becomes challenging for them to constantly cling to their kids. We have created a setting in our system where this issue can be effectively solved. It enables parents to watch over their kids in real time exactly like they were there with them.as well as concentrating on their own careers without any help from others.

**Paper Title:** Smart IOT Device for Child Safety and Tracking

**Author(s):** M Nandini Priyanka, S Murugan, K N H Srinivas, T D S Sarveswararao, E Kusuma Kumari.

**Published on:** 8 June, 2019

# Abstract:

# The increased number of recorded crimes against children nowadays raises serious concerns about kid safety and tracking. A smart IoT device for child protection and tracking was created with this purpose.is designed to aid parents in finding and keeping track of their children. The system's development board is the LinkIt ONE embedded C programming with a temperature interface, pulse, touch sensors, GPS, GSM, and a digital camera modules. The work is innovative since the system automatically sends an SMS to notify the parent or carrier when something is urgent In an emergency, the youngster needs your care. The characteristics including the child's touch, temperature, and heartbeat results are presented for the parametric analysis using same. Therefore mentioned mechanism guarantees tracking and safety. The child's touch, temperature, and heartbeat are used as parameters for the parametric analysis, and the results are plotted for the same. The aforementioned system makes sure that children.