ABSTRACT

Child abuse is a pervasive issue that affects millions of children worldwide. In recent years, technology has played an increasingly important role in safeguarding children from harm. The existing system relies on a combination of a heart rate sensor and Wi-Fi or Bluetooth connectivity to monitor a child's well-being and location. While these features provide some level of protection, they have limitations in terms of range. In the proposed system, we integrate a GSM module for long-range distance communication, enabling real-time monitoring and intervention regardless of the child's location. This allows for immediate response in emergency situations, even in areas with limited Wi-Fi or Bluetooth coverage. We incorporate a pulse oximetry sensor to monitor the child's oxygen saturation level and heart rate monitoring, which enables early detection of potential signs of distress. Through the integration of advanced technology, including GSM communication and pulse oximetry sensing, it offers improved monitoring capabilities, enabling swift response to emergencies and proactive intervention to ensure the welfare of children.