Child Safety Device With GPS Tracking and Alert Messaging

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Abstract: *Designed to help prevent bullying, violence, and kidnapping. The device integrates various sensors and technologies, including GPS (Global Positioning System), GSM (Global System for Mobile) modules, and an alarm, to offer real-time tracking, emergency alert messaging, live streaming, and the ability to deter potential threats. Through a connected mobile app, the system also provides health monitoring and environmental awareness. The compact, discreet design allows it to be placed in commonly used child belongings, making it ideal for daily use. This approach provides a practical and reliable means of enhancing child safety and reducing the risks associated with kidnapping and child trafficking. The device activates in emergency situations with the press of a single button.*

Keywords: IoT, Child Safety, ESP32 Cam, GPS, GSM, Sensors, Mobile Communications, Smartphone