



**WRIST BORNE SAFETY DEVICE
USING GLOBAL POSITIONING SYSTEM AND GLOBAL SYSTEM
FOR MOBILE COMMUNICATION TECHNOLOGIES**

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ABSTRACT

There have been many measures tried in the past to prevent crimes against children such as, kidnapping, sexual harassment, manhandling and bullying but there is no fool proof method in place to prevent them. This project can improve the situation by allowing children to raise the alarm or call the parents apart from giving real time access of the location of the children to the parents. This paper proposes to implement location tracking, location data logging, alarm triggering, SMS transmission and two-way voice call facility using microcontroller, GPS module and GSM/GPRS module, HTTP Server and SQL Database.

KEYWORDS: GPS, GSM/GPRS, Child Tracking, Geofenced, HTTP Server, Authentication, Voice Call, Distress