

Safe Child System Using GPS Tracker

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Abstract: In today's busy and fast-moving world, child safety has become a major concern for parents and guardians. The Safe Child System using GPS is developed to help parents keep track of their child's location at all times in a simple and reliable way. This system uses GPS technology to find the real-time position of the child and displays it on a mobile application. Parents can easily check where their child is, whether the child is going to school, playing outside, or traveling.

The system also provides an alert mechanism to improve safety. If the child moves outside a predefined safe area, such as home or school surroundings, the system immediately sends a notification to the parent. This quick alert helps parents take timely action in case of emergencies or unusual movement. The system is especially useful in crowded places, unfamiliar areas, or during travel.

Overall, the Safe Child System using GPS acts as a virtual safety companion for children. It reduces the risk of children getting lost, increases parental confidence, and ensures peace of mind. By combining technology with safety needs, this system plays an important role in protecting children and supporting parents in their daily lives.

Keywords: Safe Child System, GPS Tracking, Child Safety, NodeMCU, u-blox GPS Module, Real-time Location Tracking, Parental Monitoring, Geofencing, Emergency Alerts, IoT Based System