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IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING & NOTIFICATION

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1) Live Location Tracking:

GPS installed in the device is used to trace the contemporary location and we can keep tabs on it through the android app and SMS requests sent from the safety gadget to the parent's phone. The child's precise locations are found by parents through the Wearable gadget which in turn employs Global Positioning System to track real-time locations. The software along with relinquishing it allows you to trace down your wards when they're within Bluetooth limit, it also works when your kids go farther afield. Its adroitness as a tracker is exceptional if you live in densely colonised neighbourhoods like cities.

2) Panic Alert Systems:

The panic alert mechanism on the device is set off during emergencies, the system software involuntarily alerts the parent/guardian by redirecting a text message where expeditious scrutinization is essential for the child during a catastrophe. The alert is also refurbished to the cloud for the motive of app monitoring.

3) Ceaseless Surveillance:

The gadget ensures utmost security and ensures live tracking for their kids. The device instils child safety through smartphones that can track their children's location and give the precise coordinates of the child's location in real-time anywhere. By monitoring the activities the security state of the child is examined.

4) Cloud Database:

The safety device is equipped with GSM and GPS modules for sending and receiving calls, and SMS between the gadget and the parental phones. The system also consists of a Wi-Fi/cellular data module used to implement IoT and send all the monitored parameters to the cloud for android app monitoring on the parental phones. The panic

alert system is used during panic situations alerts are sent to the parental phone, seeking help also the alert parameters are updated to the cloud. The history of the location can be stored in the cloud. The wearable devices should feature the child's exact locations and be updated continuously without being interpreted in the cloud database.

5) Security Implementations:

To activate the alarm and facilitate video recording whenever the emergency button is pressed. We can use the cloud to accumulate the surveillance data of the children. The wifi modules are of assistance in sending the monitoring particulars, the user will be notified with an update if any errors are found, for the efficient functioning of the device.

6) Extensive range monitoring system:

The application aside from conceding you to track down your children when they’re within Bluetooth range, also functions when your kids go farther afield. Its competence as a tracker is outstanding if you live in densely populated areas like cities or big towns. This means you will be able to see the identity of the participating devices and It helps to diminish their vulnerability in harmful situations and also protects the children in emergency situations.