

# PROJECT DEVELOPMENT DELIVERY

## SPRINT 1

Assignment Date	8 NOVEMBER 2022
Team ID	PNT2022TMID18987
Project Name	Safety Gadget For Child Safety Monitoring & Notification

**1)Live Location Tracking:** The GPS in the device is used to track the current location, which we can monitor using the Android app and SMS requests sent from the safety device to the parent's phone. Parents can track their child's exact location using the Wearable device, which uses the Global Positioning System to track real-time locations. Along with allowing you to track your children when they are within Bluetooth range, the software also works when they go further a field. Its tracking abilities are exceptional if you live in densely populated areas such as cities.

**2)Panic Alert Systems:** When the panic alert mechanism on the device is activated during an emergency, the system software automatically alerts the parent/guardian by redirecting a text message to the location where prompt examination is required for the child during a disaster. The alert is also sent to the cloud for the purpose of app monitoring.

**3)Ceaseless Surveillance:** The device provides complete security and live tracking for their children. The device promotes child safety by allowing parents to track their children's locations and provide precise coordinates of the child's location in real-time from anywhere. The child's security is assessed by monitoring his or her activities.

**4)Cloud Database:** The safety device includes GSM and GPS modules for sending and receiving calls and SMS messages between the device and the parental phones. The system also includes a Wi-Fi/cellular data module that is used to implement IoT and send all monitored parameters to the cloud for parental phone android app monitoring. The panic alert system is used when there is a panic situation. Are sent to the parental phone, requesting assistance; additionally, the alert parameters are updated in the cloud. The origins of The coordinates can be saved in the cloud. The wearable devices should display the child's precise location and be continuously updated without being interpreted in the cloud database.

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**5)Security Implementations:** When the emergency button is pressed, the alarm is

activated and video recording is enabled. We can use the cloud to collect children's surveillance data. The wifi modules aid in the transmission of monitoring data; the user will be notified with an update if any errors are discovered, ensuring the device's proper operation

**6)Extensive range monitoring system:** The app not only allows you to track your children when they are within Bluetooth range, but it also works when they are further away. If you live in densely populated areas such as cities or large towns, its tracker capabilities are exceptional. This means you'll be able to see the identities of the devices that are participating, which helps to reduce their vulnerability in dangerous situations while also protecting children in emergency situations.