Team ID: PNT2022TMID023

Project title: Safety Gadget for Child Safety Monitoring and Notification
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Delivery plan sprint-1

Live Location Tracking:

GPS is installed on gadget to track its current location can be tracked on android app and via SMS request sent from parent phone to safety gadget.

Panic Alert Systems:

Panic alert system on gadget is triggered during panic situation, automatic SMS and voice note recorded for 20 seconds are transmitted to parental phone. The alert is also updated to the cloud for purpose of app monitoring.

Stay Connected Feature:

Stay connected feature is used to trigger voice and pre-defined SMS anytime from gadget to parental phone by just pressing a button and also parent can make SMS and voice to the gadget anytime.

Health Monitoring System:

Health monitoring system is implemented using heart beat sensor, temperature sensor which is updated to the cloud and also can be monitored via app. The current value of sensors can be obtained using SMS request sent to gadget from parent phone.

Gadget Plugged or Unplugged Monitoring:

Gadget plug or unplugged is monitored using contact switch installed on smart gadget, as soon as the device is unplugged, an alert is provided to parent phone via SMS and it is also updated to cloud for app monitoring.

Boundary monitoring system:

This is used to track the safety gadget using the binding gadget by implementing signal strength concept as soon as the safety gadget moves far away from the BLE listener gadget then an alert is provided to itself. Listener device and broad cast device.