**Delivery plan sprint-1**

**TEAM ID :** PNT2022TMID53603

**PROJECT NAME :** IOT-BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION

* **Live Location Tracking:**

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

* **Panic Alert Systems:**

A panic alert system on the gadget is triggered during a panic situation, and automatic calls and SMS are triggered to the parental phone. The alert is also updated to the cloud for purpose of app monitoring. Fig. 4. Outputs of the panic alert system.

* **Stay Connected Feature:**

The stay connected feature is used to trigger calls and predefined SMS anytime from the gadget to the parental phone by just pressing a button and also parents can make SMS and call the gadget anytime.

* **Health Monitoring System:**

The Health monitoring system is implemented using a heartbeat sensor, and temperature sensor which are updated to the cloud and also can be monitored via the app. The current value of sensors can be obtained using an SMS request sent to the gadget from the parent’s phone. Outputs of the health monitoring system.

* **Gadget Plugged or Unplugged Monitoring:**

Gadget plug or unplugged is monitored using contact

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

* **Boundary monitoring system:**

This is used to track the safety gadget using the binding gadget by implementing the 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 devices and broadcast devices.