

SPRINT-I

PROJECT DEVELOPMENT PHASE

DATE	28 OCTOBER 2022
TEAM ID	PNT2022TMID49507
PROJECT NAME	PROJECT-IOT BASED SAFETY GADGETS FOR CHILD SAFETY MONITORING AND NOTIFICATION

PYTHON CODE: FOR ANALYZING THE CHILD IS MISSING

```
import json

import wiotp.sdk.device

import time


myConfig =
{ "identity": {
    "orgId": "hj5fmy",
    "typeId": "NodeMCU",
    "deviceId": "12345"
  },
  "auth": {
    "token": "12345678"
  }
}
```

```

client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)

client.connect()

while True:

    name ="smartbridge"

    #in area location

    #latitude=17.4219272

    #longitude=78.5488783

    #out area location    latitude=17.4219272    longitude=78.5488783
myData={'name':name,'lat':latitude,'log':longitude}
client.publishEvent(eventId="status",msgFormat="json", data=myData,qos=0,onpublish=None)
print("Data published to IBM IOT platform:",myData)

    time.sleep(5)

client.disconnect()

```

PYTHON CODE: TO PREVENT THE CHILD FROM DISTRESS SOLUTION

```

int const PULSE_SENSOR_PIN = 0;

int Signal;
int Threshold = 550;

void setup() {
pinMode(LED_BUILTIN,OUTPUT);
Serial.begin(9600);
}

```

```
void loop() {  
  
    Signal = analogRead(PULSE_SENSOR_PIN);  
  
    Serial.println(Signal);  
    if(Signal > Threshold){  
        digitalWrite(LED_BUILTIN,HIGH);  
    } else {  
        digitalWrite(LED_BUILTIN,LOW);  
    }  
    delay(10);  
}
```

OUTPUT:

