FINAL PROJECT CODING

DATE	**18 NOVEMBER 2022**
TEAM ID	**PNT2022TMID49507**
PROJECT NAME	**PROJECT-IOT based safety gadgets for child safety monitoring and notification**

PROJECT FINAL CODING:

```
import time

import sys

import ibmiotf.application

import ibmiotf.device

import random
```

#Provide your IBM Watson Device Credentials

```
organization = "8bchp4"

deviceType = "pdharani"

deviceId = "12345678"

authMethod = "token"

authToken = "12345678"



try:

        deviceOptions = {"org": organization, "type": deviceType, "id": deviceId, "auth-method":
authMethod, "auth-token": authToken}

        deviceCli = ibmiotf.device.Client(deviceOptions)

        #.....



except Exception as e:

        print("Caught exception connecting device: %s" % str(e))

        sys.exit()
```

```
# Connect and send a datapoint "hello" with value "world" into the cloud as an event of type
"greeting" 10 times

deviceCli.connect()



while True:

    #Get Sensor Data from DHT11



    name="pooja"

    #latitude=8.9179987

    #longitude=98.0527826



    latitude=11.004556

    longitude=76.961632



    data = { 'name' : name, 'lat': latitude, 'lon':longitude }
```

```
        #print data

        def myOnPublishCallback():

            print ("Published name = %s " % name, "lat = %s " % latitude, "lon = %s " % longitude, "to
IBM Watson")



        success = deviceCli.publishEvent("IoTSensor", "json", data, qos=0,
on_publish=myOnPublishCallback)

        if not success:

            print("Not connected to IoTF")

        time.sleep(5)



        deviceCli.commandCallback = 'myCommandCallback'




client.disconnect()
```