PROJECT DEVELOPMENT PHASE

SPRINT-3 CODING

Date	08 November 2022
Team ID	PNT2022TMID49482
Project Name	IOT based safety gadget child monitoring and notification
Maximum Marks	8 Marks

CODING:

```
import time
import sys
import ibmiotf.application
import ibmiotf.device
import random
#Provide your IBM Watson Device Credentials
organization = "myzpwb"
deviceType = "raspberrypi"
deviceId = "demo123"
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="seetha"
    latitude=9.9179987
    longitude=78.0527826

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

```python
    #print data
    def myOnPublishCallback():
        print ("Published name = %s " % name, "latitude = %s " % latitude, "longitude = %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 = 'myOnPublishCallback'


client.disconnect()
```