PROJECT DEVELOPMENT PHASE

SPRINT-3 CODING

Date	09 November 2022
Team ID	PNT2022TMID33026
Project Name	IoT based safety gadget for child safety 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 = "9o069i"
deviceType = "pravn"
deviceId = "pravn12"
authMethod = "token"
authToken = "pravn07"

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="pravn"
latitude=11.225894
longitude=76.980855

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


#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'


deviceCli.disconnect()
```