PROJECT DEVELOPMENT PHASE
SPRINT-3 CODING

Date	08 November 2022
Team ID	PNT2022TMID25796
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,
"authmethod": 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
```

```python
    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'


client.disconnect()
```