

PROJECT DEVELOPMENT PHASE

SPRINT-3 CODING

Date	08 November 2022
Team ID	PNT2022TMID09836
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 = "myzpw" 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

    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()
```