Project Development Phase

SPRINT – 3

Date	09 November 2022
Team ID	PNT2022TMID05117
Project Name	IoT based safety gadget for child safety monitoring and notification
Maximum Marks	8 Marks

CODING:

```
import timeimport sys
import ibmiotf.application
import  ibmiotf.device
import  random

#Provide your IBM Watson Device Credentialsorganization = "9o069i"
deviceType = "manimd"
deviceId = "manimd12"
authMethod = "token"
authToken = "main07"

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 DHT11name="mani" 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()
```