**SPRINT-1**

**DEVELOP THE PYTHON CODE**

#IBM Watson IOT Platform #pip install wiotp-sdk import wiotp.sdk.device import time

import random myConfig = { "identity": { "orgId": "owxp6u",

"typeId": "ESP-32",

"deviceId":"DHT-22"

},

"auth": {

"token": "Sriravinaa@2001"

} }

def myCommandCallback(cmd):

print("Message received from IBM IoT Platform: %s" % cmd.data['command'])

m=cmd.data['command']

client = wiotp.sdk.device.DeviceClient(config=myConfig,logHandlers=None) client.connect()

while True: latitude=random.uniform(27.2046,125.25) longitude=random.uniform(77.4977,100.1526) binlevel=random.randint(10,100)

if binlevel >= 90: myData={'latitude':latitude,'longitude':longitude,'binlevel':binlevel} client.publishEvent(eventId="status",msgFormat="json", data=myData, qos=0, onPublish=None)

##print("Published data Successfully: %s", myData) print("BIN IS FULL!!!!",myData) client.commandCallback=myCommandCallback time.sleep(2)

else:

print("BIN IS IN NORMAL LEVEL")

time.sleep(2) client.disconnect()



