Project development phase:

Sprint 1:

Team ID	PNT2022TMID11545
Date	02/11/2022
Team Members	Vishnunathan R Chokkar.A Sabari Kumar. G.J Shandosh Balaji. G

Python Script:

```
import wiotp.sdk.device
from time import*
from random import*
myConfig = {
    "identity": {
        "orgId": "dg4pct",
        "typeId": "ESP32",
        "deviceId": "281201"
    },
    "auth": {
        "token": "28122001"
    }
}
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:
    tur = randint(20, 300)
    ph = randint(1, 14)
```

```
    temp = randint(0, 100)
    myData = {'Temperature': temp, 'Turbidity': tur,
'pHvalue': ph}
    client.publishEvent(eventId="status",
msgFormat="json", data=myData, qos=0, onPublish=None)
    print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback
    sleep(6)
client.disconnect
```