

**NALAIYA THIRAN**  
**PROJECT DEVELOPMENT PHASE**

**SPRINT 3**

|              |                                                                        |
|--------------|------------------------------------------------------------------------|
| Date         | 17 November 2022                                                       |
| Team ID      | PNT2022TMID03493                                                       |
| Project Name | Project – Personal Assistance for senior citizens who are self-reliant |

**PYTHON CODE FOR MEDICINE AND TIME:**

```
import json
import wiotp.sdk.device
import time
import random

myConfig = {
    "identity": {
        "orgId": "3eqctu",
        "typeId": "medicine",
        "deviceId": "0002"
    },
    "auth": {
        "token": "123456789"
    }
}

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

for i in range(0,20):
    tablet=["Paracetamol","Aspirine","Azithral","Asthalin","Sinarest"]
    medicinetime=[12.00,1.00,2.00,3.00,5.00,18.00,20.00,7.00]
    name = "ALEXA"
    medicine=random.choice(tablet)
    medicinetime=random.choice(medicinetime)
    mydata = {'Patient Name': name, 'Medicine Name': medicine, 'Time': medicinetime}
    client.publishEvent("IoTSensor", "json", data=mydata, qos=0, onPublish=None)
    print("Data published to IBM IOT platform :", mydata)
    time.sleep(5)
    client.disconnect()
```



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| >                                                                           | <input type="checkbox"/>            | 0002        | Disconnected | Nodered | Device            | Nov 17, 2022 8:20 PM |       |
|-----------------------------------------------------------------------------|-------------------------------------|-------------|--------------|---------|-------------------|----------------------|-------|
| >                                                                           | <input type="checkbox"/>            | 1234        | Disconnected | NodeMCU | Device            | Nov 13, 2022 8:33 PM |       |
| ▼                                                                           | <input checked="" type="checkbox"/> | Nodered_1   | Connected    | Nodered | Device            | Nov 17, 2022 8:42 PM | → ... |
| Identity   Device Information   Recent Events   State   Logs <span>×</span> |                                     |             |              |         |                   |                      |       |
| Showing Raw Data   No Interfaces Available                                  |                                     |             |              |         |                   |                      |       |
| Property                                                                    |                                     | Value       | Type         | Event   | Last Received     |                      |       |
| NAME                                                                        |                                     | ALEXA       | String       | event_1 | a few seconds ago |                      |       |
| MEDICINE NAME                                                               |                                     | PARACETAMOL | String       | event_1 | a few seconds ago |                      |       |

1 Simulation running