

# Covid Patient Health Monitoring System

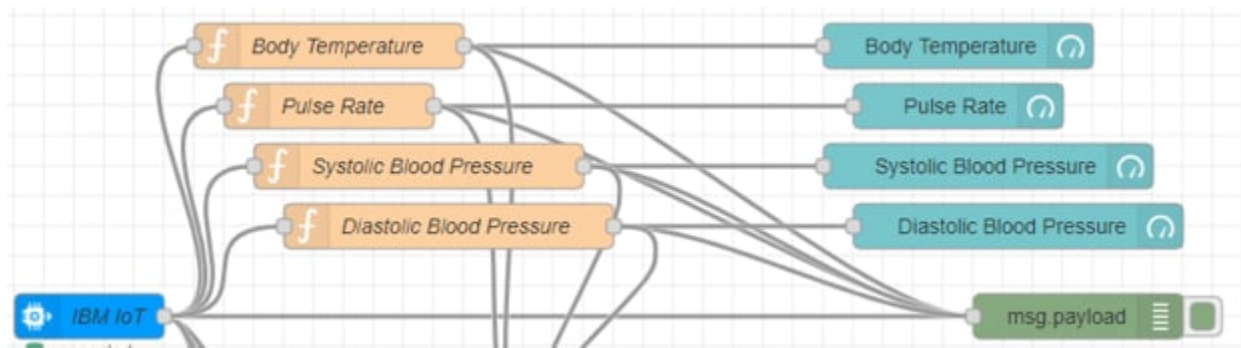
## Features:

- Monitoring the covid patients through the mobile app
- patients are given a wearable device using which they can get body temperature, pulse rate and BP values
- the wearable device will be sending the health parameters to the IBM IoT platform.
- nurse or doctors can monitor their health status even when they are not near the patients through the app
- if the patients health parameters are abnormal they will be alerted with the message notifications.

## CODE:

```
import wiotp.sdk.device import time import random myConfig = {
"identity": {
"orgId": "dalxud",
"typeId": "FIRSTdevice",
"deviceId": "54321",
"auth": 1
"token": "0987654321 "
def myCommandCallback(cmd):
print("Message received from IBM IOT
Platform: %s" % cmd.data[0]) client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None) client.connect()
while True:
bodytemp=random.randint(-20,125) bloodpres=random.randint(0,100)
myData={0:temp,
'humidity':hum} client.publishEvent(eventId="status", msgFormat="json", data=myData,
qos=0, onPublish=None) print("Published data Successfully:
%s", myData) client.commandCallback = myCommandCallback time.sleep(2)
client.disconnect()
```

## NODE-RED:



MIT OUTPUT:

## Patients Health Parameters

**Body Temperature** 99.7

**Pulse Rate** 47

**Systolic Blood Pressure** 114

**Diastolic Blood Pressure** 72