

NODEMCU CODE:

```
#define BLYNK_TEMPLATE_ID "TMPLnYieLJ3M"

#define BLYNK_DEVICE_NAME "covid_detect"

#define BLYNK_FIRMWARE_VERSION "0.1.0"

#define BLYNK_PRINT Serial

#define APP_DEBUG

#include "BlynkEdgent.h"

float temp;

int a,count,sp,hb;

WidgetLED led(V1);

void setup()

{

  Serial.begin(9600);

  BlynkEdgent.begin();

  pinMode(D0,INPUT);

  void loop()

  }

  {

    if (Serial.available())

    {

      DeserializationError err = deserializeJson(doc, Serial);

      if (err == DeserializationError::Ok)

      {

        Serial.print("Heartbeat = ");

        hb = doc["count1"].as<int>();

        Serial.println(hb);
```

```
Serial.print("SpO2 = ");
sp = doc["count2"].as<int>();
Serial.println(sp);
Serial.print("Temp = ");
temp = doc["count3"].as<float>();
Serial.println(temp);
}
else
{
Serial.print("deserializeJson() returned ");
Serial.println(err.c_str());
while (Serial.available() > 0)
Serial.read();
}
if(temp>0)
}
{
Blynk.virtualWrite(V6, sp);
Blynk.virtualWrite(V7, hb);
Blynk.virtualWrite(V8, temp);
}
a=digitalRead(D0);
if(a == 0)
{
led.on();
}
```

```
else
{
led.off();
}
BlynkEdgent.run();
}
```