**SOURCE CODE**

#define BLYNK\_TEMPLATE\_ID           "TMPL3-Q8eF0Sb"

#define BLYNK\_TEMPLATE\_NAME         "loadcell"

#define BLYNK\_AUTH\_TOKEN            "Oq4u2eH0YmUlunb2cp5voa5d8G2cnPAK"

#define BLYNK\_PRINT Serial

#include <HX711.h>

#include <Servo.h>

#include <ESP8266WiFi.h>

#include <BlynkSimpleEsp8266.h>

char ssid[] = "Muj-Exam";

char pass[] = "Muj@4321";

HX711 scale(D5, D6);

Servo servo;

BlynkTimer timer;

BLYNK\_WRITE(V3){

  servo.write(param.asInt());

}

void setup()

{

  // Debug console

  Serial.begin(115200);

  Serial.begin(9600);

  scale.begin(D5, D6);

  scale.set\_scale();

  scale.tare();

  Blynk.begin(BLYNK\_AUTH\_TOKEN, ssid, pass);

  pinMode(D0, OUTPUT);

  digitalWrite(D0, LOW);

  servo.attach(D4);

  pinMode(D1,OUTPUT);

}

BLYNK\_WRITE(V1) {

  int ledState = param.asInt();

  digitalWrite(D0, ledState);

}

void loop()

{

  Blynk.run();

  scale.set\_scale(520000);

  float weight = scale.get\_units(5);

  Blynk.virtualWrite(V0, weight);

  Serial.print("Weight: ");

  Serial.print(weight);

  Serial.println(" KG");

  if(weight>=1.000){

    servo.write(180);

  }

  else{

    servo.write(0);

  }

  if(weight>=2.00){

       digitalWrite(D1,HIGH);

  }

  else{

    digitalWrite(D1,LOW);

  }

}