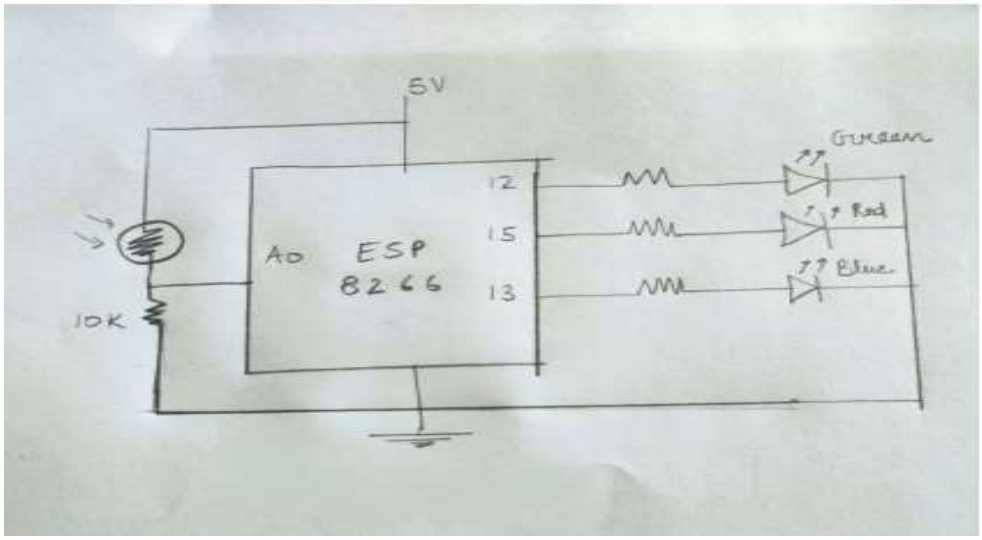
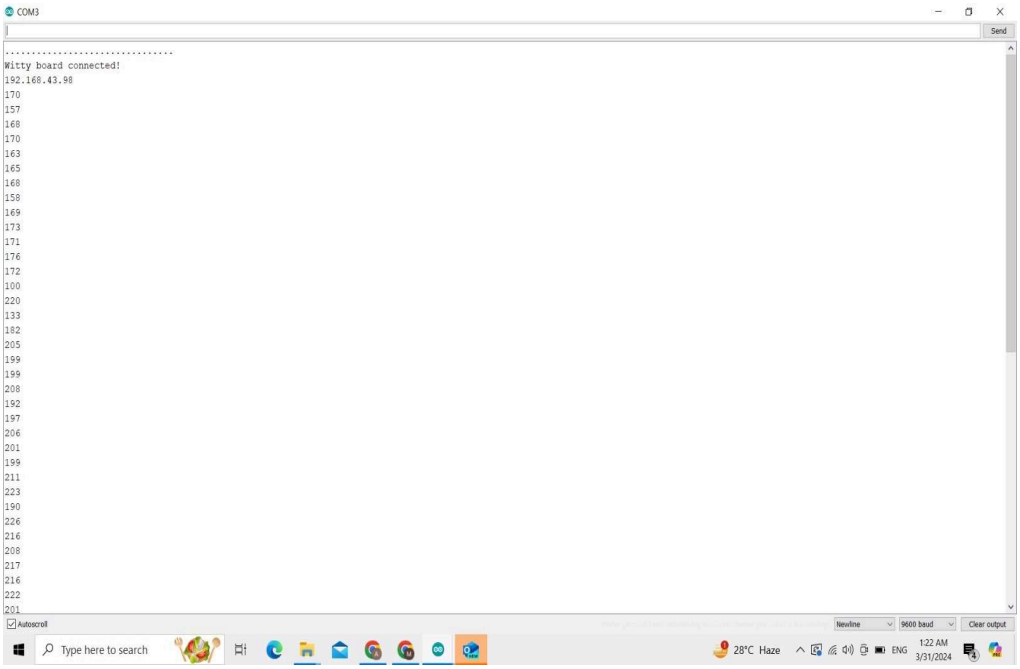
```
/*

Experiment No. :  15

Statement      :  To send data from ESP8266 Witty Cloud Development Board on ThingSpeak cloud.

Date of Exp.   :  xx/xx/xxxx

Author         :  Reva Dhiran (A-10)

*/
```

Code:

```
#include <ESP8266WiFi.h>    //library file for esp8266

#include <ThingSpeak.h>     // Library for ThingSpeak

// Pinout for Witty Board

#define led 2 // Debug LED (tiny blue)

#define red 15 // RGB LED red

#define green 12 // RGB LED green

#define blue 13 // RGB LED blue

#define ldr A0 // Light Dependent Resistor

WiFiClient client;

long myChannelNumber = 2490614;      // Replace with your ThingSpeak channel number

const char myWriteAPIKey[] = "6HMDV8B3T0AFGU47"; // Replace with your ThingSpeak write API key

void setup() {

pinMode(led, OUTPUT);

pinMode(red, OUTPUT);

pinMode(green, OUTPUT);
```

```
pinMode(blue, OUTPUT);
Serial.begin(9600);
WiFi.begin("OPPO A5 2020", "12345678");
while (WiFi.status() != WL_CONNECTED) {
Serial.print(".");
delay(200);
}
Serial.println();
Serial.println("Witty board connected!");
Serial.println(WiFi.localIP());
ThingSpeak.begin(client);
}
void loop() {
int value = analogRead(ldr);
Serial.println(value);
ThingSpeak.writeField(myChannelNumber, 1, value, myWriteAPIKey);
delay(2000);
}
```




COM3
Send
.....
Witty board connected!
192.168.43.98
170
157
168
170
163
165
168
158
169
173
171
176
172
100
220
133
182
205
199
199
208
192
197
206
201
199
211
223
190
226
216
208
217
216
222
201
Autoscroll
Newline
9600 baud
Clear output
Type here to search
28°C Haze
ENG
1:22 AM
3/31/2024