

```
/*
Experiment No. : 15
Statement : To send data from ESP8266 Witty Cloud
Development Board on ThingSpeak cloud.

Date of Exp. : xx/xx/yyyy
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*/
```

```
#include <ESP8266WiFi.h>
#include <ThingSpeak.h>

#define led 2
#define red 15
#define green 12
#define blue 13
#define ldr A0

WiFiClient client;

long myChannelNumber=2477931;

const char myWriteAPIKey[]="YJKIPGQ6IRDAOYZM";

void setup() {
    pinMode(led, OUTPUT);
    pinMode(red, OUTPUT);
    pinMode(green, OUTPUT);
```

```

pinMode(blue, OUTPUT);

Serial.begin(9600);

WiFi.begin("Jain", "jainansh1");

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);

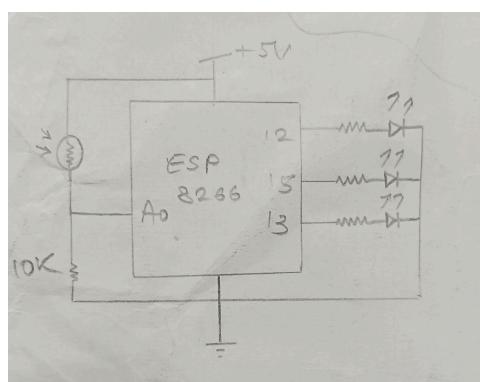
    Serial.println(value);

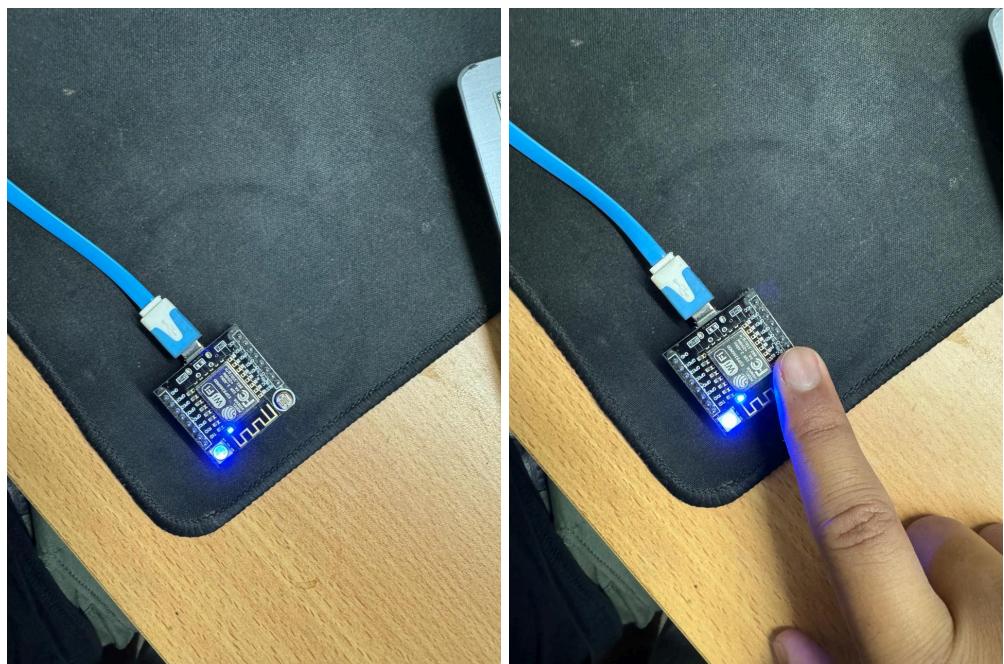
    ThingSpeak.writeField(myChannelNumber, 1, value, myWriteAPIKey);

    delay(2000);

}

```





A screenshot of a terminal window titled "COM9". The window has a "Send" button in the top right corner. The text area displays the following sequence of numbers:

```
207  
213  
206  
205  
17  
9  
15  
17  
207  
210  
197  
29  
29  
14  
50
```

At the bottom of the window, there are several control buttons: "Autoscroll" (checked), "Show timestamp" (unchecked), "Newline" (dropdown menu), "9600 baud" (dropdown menu), and "Clear output".

