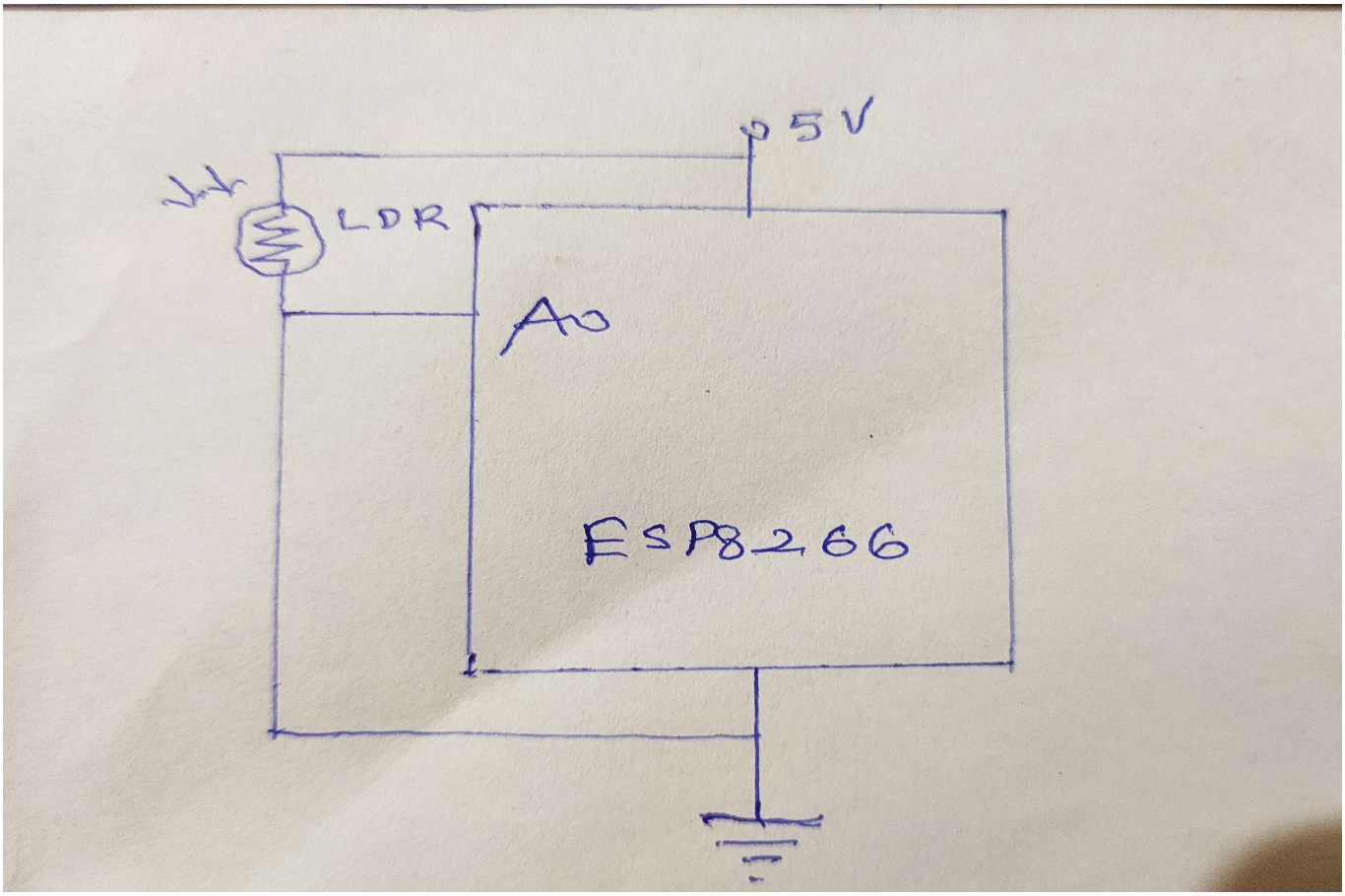
```
/*

Experiment No. :    15


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

Date of Exp.   :      / /

Author         :    Pawan Dilip Sorte (A-12)



*/
#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=2490383;
const char myWriteAPIkey[]="ONMJZ6F6RIN0OPIF";

void setup() {
  // put your setup code here, to run once:
  pinMode(led,OUTPUT);
  pinMode(red,OUTPUT);
  pinMode(blue,OUTPUT);
  pinMode(green,OUTPUT);
  Serial.begin(9600);
  WiFi.begin("POCO X2","7890123456");
  while(WiFi.status() != WL_CONNECTED){
    Serial.print('.');
    delay(200);
  }
  Serial.println();
  Serial.println("witty board connected to wifi");
  Serial.println(WiFi.localIP());
```

```
  ThingSpeak.begin(client);
}

void loop() {
  int value=analogRead(ldr);
  Serial.print("LDR value:");
  Serial.println(value);
  ThingSpeak.writeField(myChannelNumber,1,value,myWriteAPIkey);
  delay(200);
}/*
```

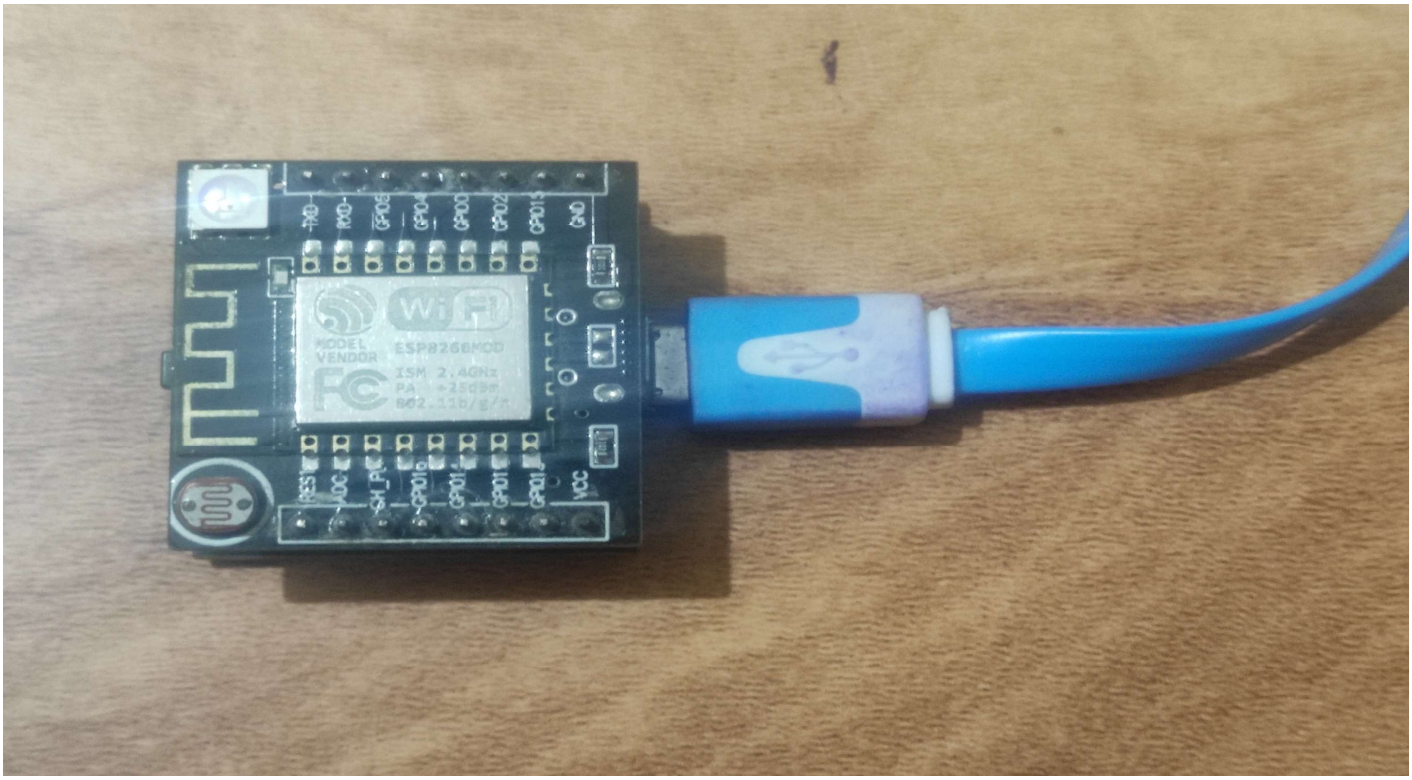


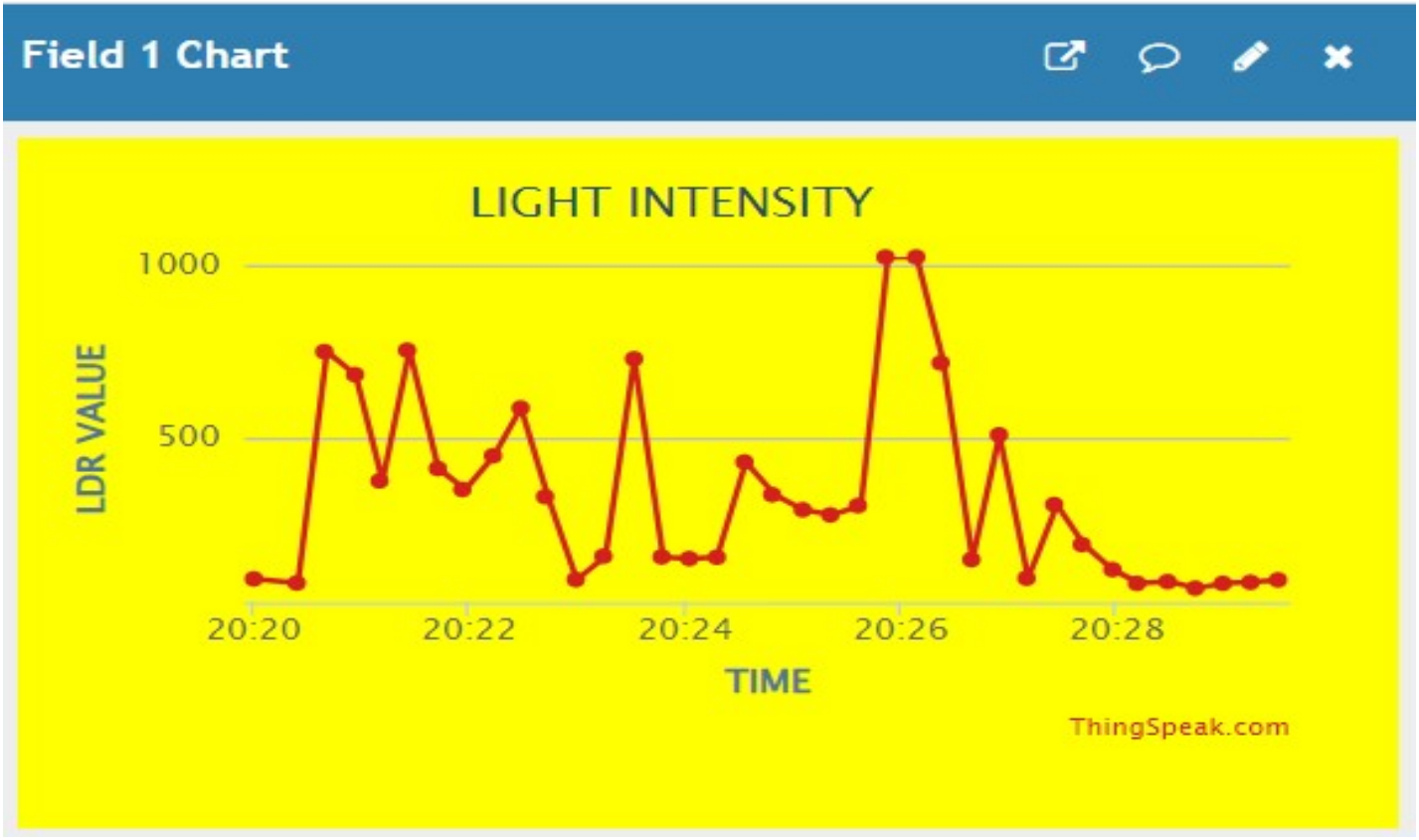
COM5

Send

```
.....................
Witty Board Connected!
192.168.167.151
GET /LedOFF HTTP/1.1
GET /Hello HTTP/1.1
GET /Hello HTTP/1.1
GET /Hello HTTP/1.1
GET /Hello HTTP/1.1

GET /Hello HTTP/1.1
GET /ledON HTTP/1.1
GET /ledON HTTP/1.1
GET /ledON HTTP/1.1
GET /ledON HTTP/1.1
GET /ledON HTTP/1.1

GET /ledON HTTP/1.1

GET /LedOFF HTTP/1.1
```

Autoscroll Show timestamp Newline 9600 baud Clear output


TXD
RXD
GPIO5
GPIO4
GPIO0
GPIO2
GPIO15
GND
Wi Fi
MODEL
VENDOR
ESP8266MOD
ISM 2.4GHz
RESET
VCC
GPIO1
GPIO3
VCC


Field 1 Chart
LIGHT INTENSITY
1000
500
LDR VALUE
20:20
20:22
20:24
20:26
20:28
TIME
ThingSpeak.com