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/*
Experiment No. : 13
Statement      : To use ESP8266 Witty Cloud Development Board
as a web server.

Date of Exp.   : xx/xx/yyyy
Author         : Mallika Hariharan(A-15)
*/
```

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

// pins for witty board
#define led 2
#define red 15
#define green 12
#define blue 13
#define ldr A0

WiFiClient client;
WiFiServer server(80);

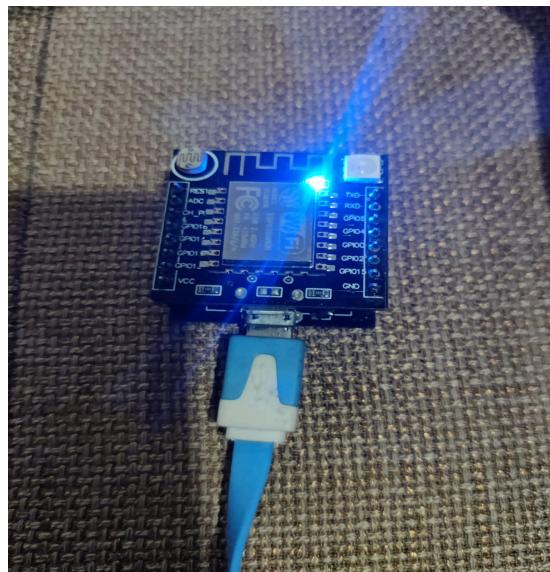
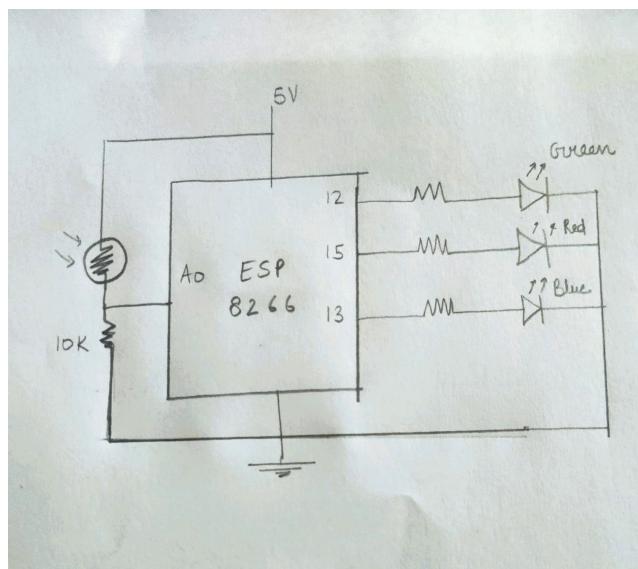
void setup() {
    // put your setup code here, to run once:
    pinMode(led, OUTPUT);
    pinMode(red, OUTPUT);
    pinMode(blue, OUTPUT);
    pinMode(green, OUTPUT);

    Serial.begin(9600);
    WiFi.begin("OPPO A5 2020", "12345678");
    while(WiFi.status() != WL_CONNECTED) {
        Serial.print('.');
        delay(200);
    }
    Serial.println();
    Serial.println("Witty board connected");
```

```
Serial.println(WiFi.localIP());
server.begin();

}

void loop() {
    // put your main code here, to run repeatedly:
    client = server.available();
    if(client == 1){
        String request = client.readStringUntil('\n');
        Serial.println(request);
        request.trim();
        if(request == "GET /ledON/ HTTP/1.1")
            digitalWrite(green, HIGH);
        if(request == "GET /ledOFF/ HTTP/1.1")
            digitalWrite(green, LOW);
    }
}
```



COM3

```
|  
$ zDxSESS :I,hzZS.....  
Witty board connected  
192.168.43.98  
GET / HTTP/1.1  
GET / HTTP/1.1  
GET / HTTP/1.1  
  
GET / HTTP/1.1  
  
GET /ledON HTTP/1.1  
  
GET /ledON HTTP/1.1  
GET /ledOFF HTTP/1.1  
GET /ledOFF HTTP/1.1  
GET /ledOFF HTTP/1.1  
GET /ledOFF HTTP/1.1  
  
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
```