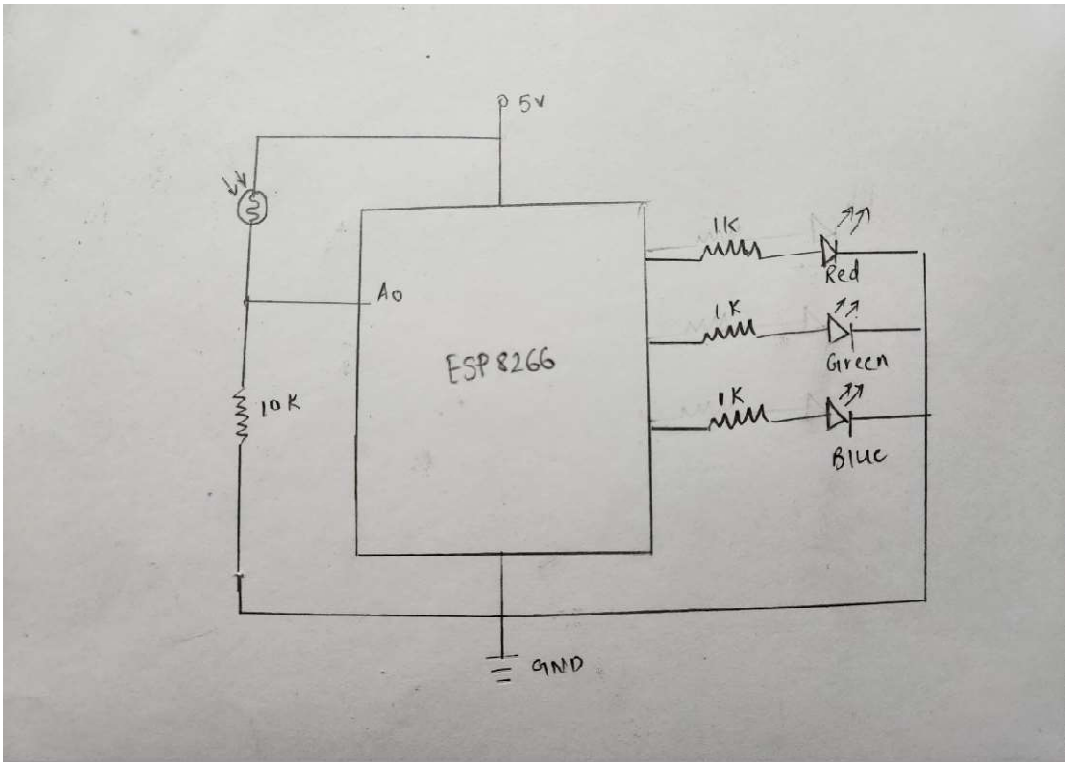
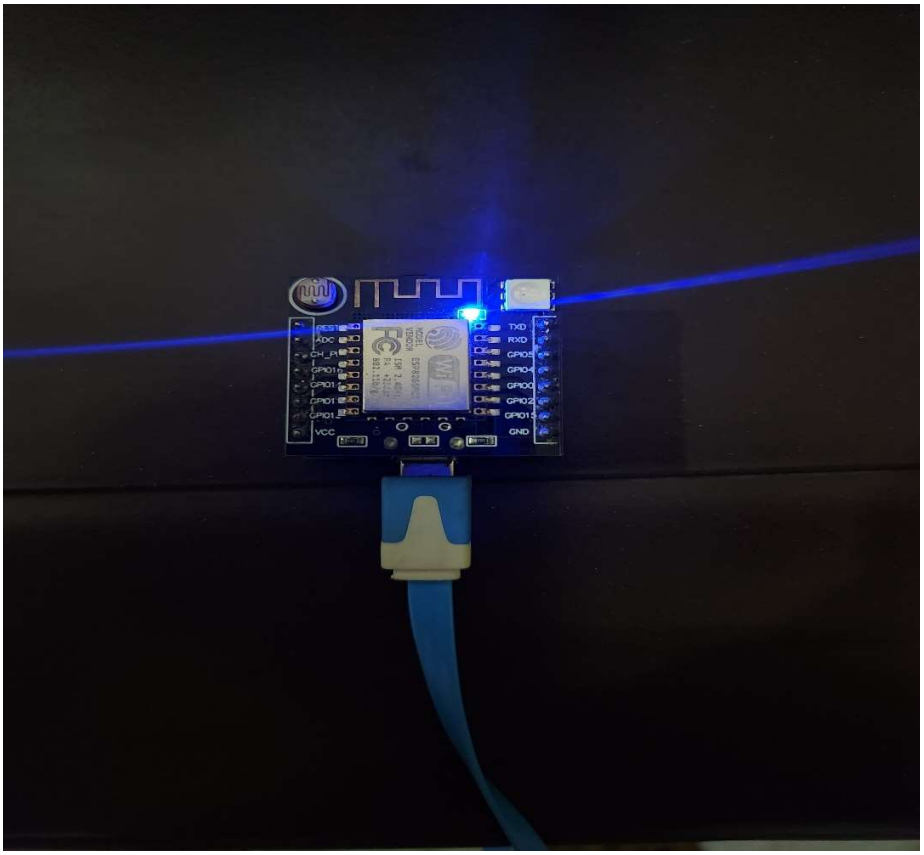
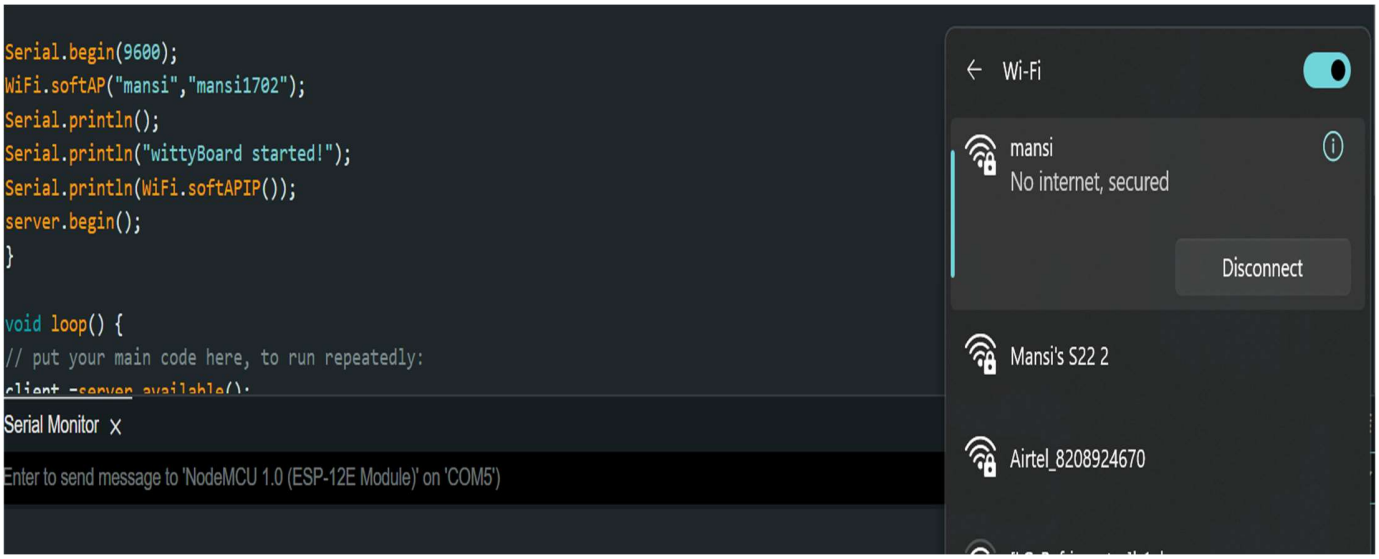
```
/*
Experiment No. :    14
Statement      :    To make ESP8266 Witty Cloud Development Board as an access point (AP)/hotspot.
Date of Exp.   :    xx/xx/xxxx
Author         :    Mansi Mandhane(A-24)
*/
//to make witty board as access point
#include<ESP8266WiFi.h>
#define led 2
#define red 15
#define green 12
#define blue 13
#define ldr A0

WiFiClient client;
WiFiServer server(80);
void setup() {

pinMode(led,OUTPUT);
pinMode(red,OUTPUT);
pinMode(green,OUTPUT);
pinMode(blue,OUTPUT);
```

```
Serial.begin(9600);
WiFi.softAP("mansi","mansi1702");
Serial.println();
Serial.println("wittyBoard started!");
Serial.println(WiFi.softAPIP());
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);
}
}
```


5V
LDR
A0
ESP8266
10K
1K
Red
1K
Green
1K
Blue
GND




Serial.begin(9600);
WiFi.softAP("mansi","mansi1702");
Serial.println();
Serial.println("wittyBoard started!");
Serial.println(WiFi.softAPIP());
server.begin();
}
void loop() {
// put your main code here, to run repeatedly:
Serial Monitor
Enter to send message to 'NodeMCU 1.0 (ESP-12E Module)' on 'COM5')
Wi-Fi
mansi
No internet, secured
Disconnect
Mansi's S22 2
Airtel_8208924670