

/*

Experiment No. : 14

Statement : To make ESP8266 Witty Cloud Development Board as an access point (AP)/hotspot.

Date of Exp. : / /

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*/

```
#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("JioFiber", "7890123456");
```

```
Serial.println();
```

```
Serial.println("WittyBoard started!");
```

```
Serial.println(WiFi.softAPIP());
```

```
server.begin();
```

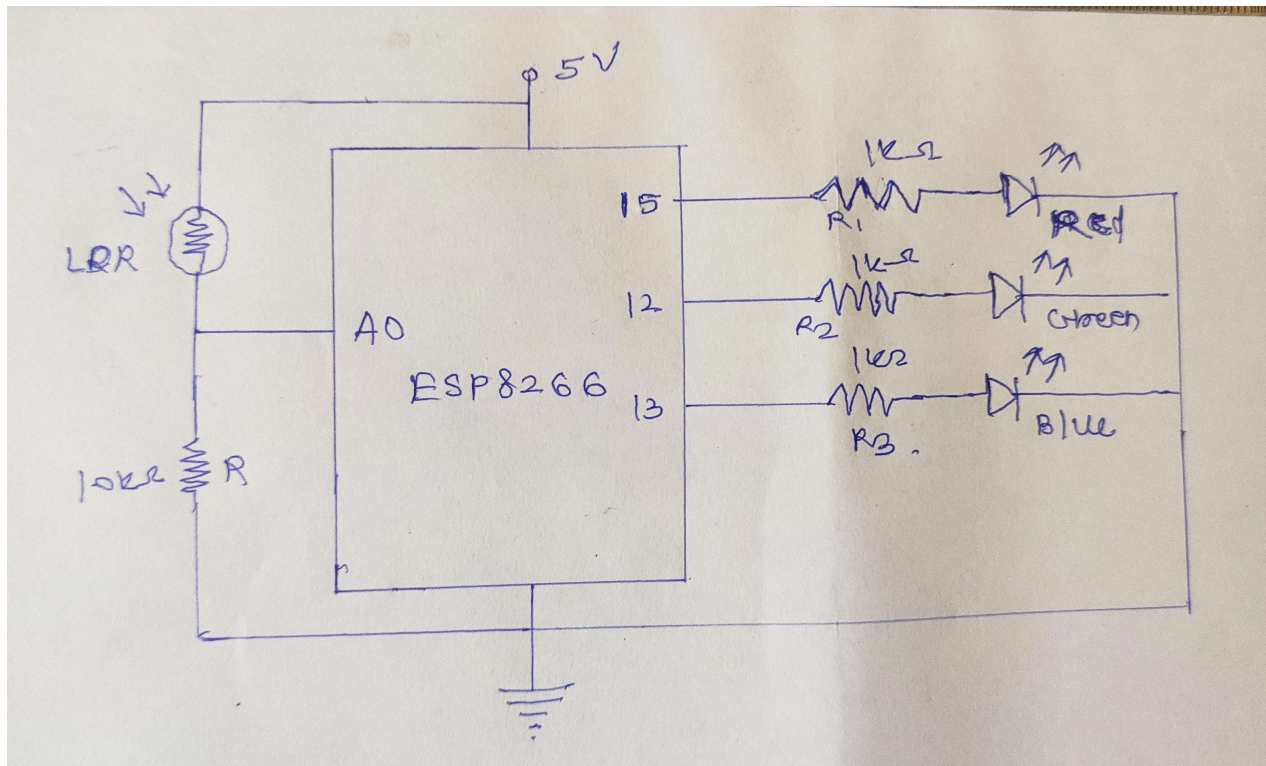
```
}
```

```
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(red,HIGH);  
    if(request=="GET /LedOFF HTTP/1.1")  
        digitalWrite(red,LOW);  
  
    }  
}
```



```

COM5
|
|
|
WittyBoard started!
192.168.4.1
GET / HTTP/1.1
GET / HTTP/1.1
GET / HTTP/1.1
GET / HTTP/1.1
GET / HTTP/1.1
GET / HTTP/1.1
GET /Namaste%20Dunia HTTP/1.1
GET /Namaste%20Dunia HTTP/1.1
GET /Namaste%20Dunia HTTP/1.1

GET /Namaste%20Dunia 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
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 /LedOFF HTTP/1.1

```

Autoscroll ☐ Show timestamp Newline 9600 baud Clear output

