

```
/*
```

```
Experiment No. : 14
```

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

```
Date of Exp. : xx/xx/xxxx
```

```
Author : Vaishnavi Rath (A-19)
```

```
*/
```

```
#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("ESP8266","anshjain1");

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")

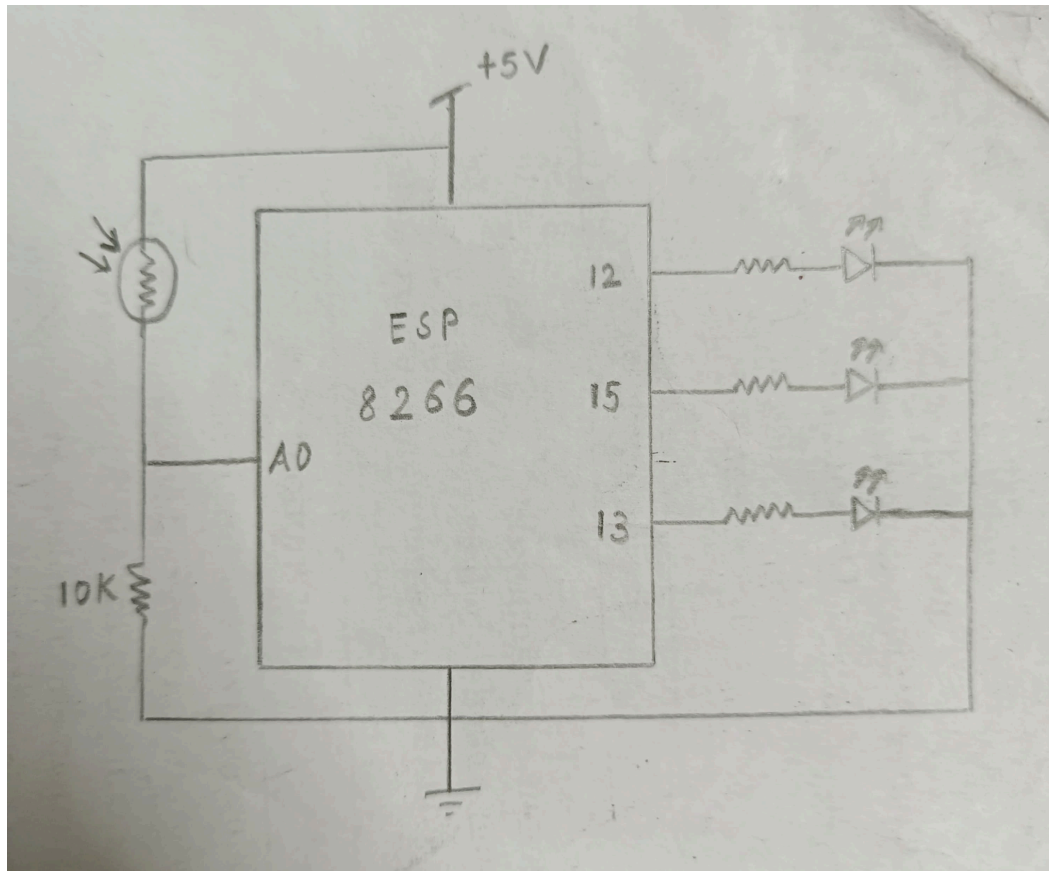
digitalWrite(green,HIGH);

if(request=="GET /LedOFF HTTP/1.1")

digitalWrite(green,LOW);

}

}
```



```

sketch_mar15a | Arduino 1.8.19
File Edit Sketch Tools Help

sketch_mar15a
#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("ESP8266", "anahjain1");
  Serial.println();
  Serial.println("MittyBoard started!");
  Serial.println(WiFi.softAPIF());
  server.begin();
}

void loop() {
  // put your main code here, to run repeatedly:
  client = server.available();
  if (client) {
    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);
  }
}

Done uploading.
sketch_mar15a:sketch_mar15a.ino: No such file or directory
leaving...
hard resetting via RTS pin...
NodeMCU 1.0 (ESP-12E Module), 80 MHz Flash, Disabled (free aborts on com), Disabled, All SDC (others most compatible), 32KB cache + 32KB RAM (balanced), Use pgm_read macros for RAMPROGEM, 4MB FS, 2MB OTA - 1019KB, 2, v2 Lower Memory, Disabled, None, Only Sketch, 115200 on COM9

```

