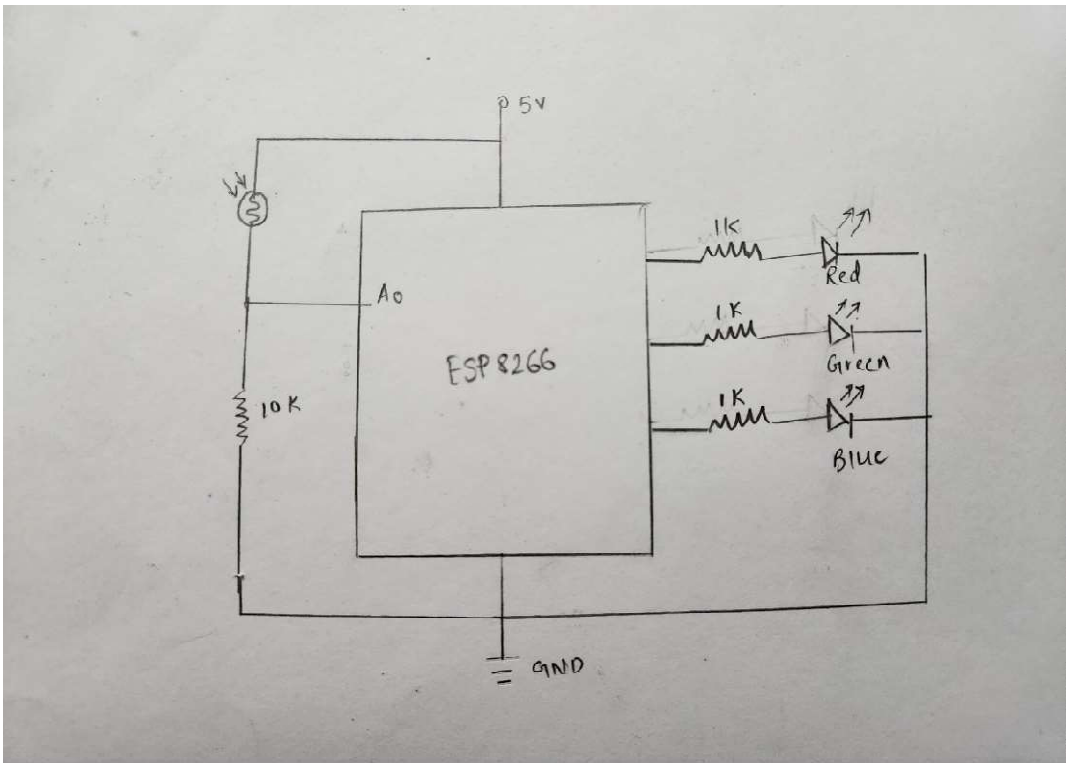
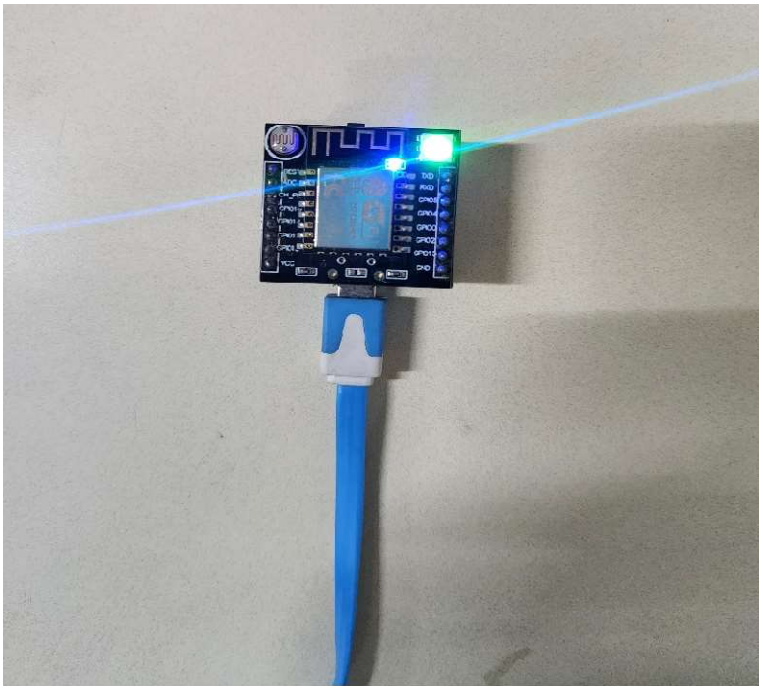
```
/*
Experiment No. :    11
Statement      :    To test all IOs on ESP8266 Witty Cloud Development Board.
Date of Exp.   :    xx/xx/xxxx
Author         :    Mansi Mandhane(A-24)
*/
#define led 2
#define Red 15
#define Blue 13
#define Green 12
#define ldr A0
void setup() {
pinMode(led,OUTPUT);
pinMode(Red,OUTPUT);
pinMode(Blue,OUTPUT);
pinMode(Green,OUTPUT);
Serial.begin (9600);
}
void loop() {
digitalWrite(led,HIGH);
delay(100);
digitalWrite(led,LOW);
```

```
delay(100);
digitalWrite(Red,HIGH);
delay(100);
digitalWrite(Red,LOW);
delay(100);
digitalWrite(Blue,HIGH);
delay(100);
digitalWrite(Blue,LOW);
delay(100);
digitalWrite(Green,HIGH);
delay(100);
digitalWrite(Green,LOW);
delay(100);
Serial.println(analogRead(ldr));
}
```


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




Output
Serial Monitor
Message (Enter to send message to 'NodeMCU 1.0 (ESP-12E Module)' on 'COM5')
New Line
9600 baud
15:37:45.026 -> 170
15:37:45.836 -> 104
15:37:46.604 -> 33
15:37:47.431 -> 29
15:37:48.211 -> 24
15:37:49.036 -> 21
15:37:49.816 -> 134
15:37:50.608 -> 206
15:37:51.422 -> 151
15:37:52.241 -> 140
15:37:53.031 -> 187
15:37:53.822 -> 152
15:37:54.623 -> 15
15:37:55.436 -> 17
15:37:56.234 -> 15
15:37:57.025 -> 18
15:37:57.834 -> 108
15:37:58.636 -> 232
Ln 10, Col 23
NodeMCU 1.0 (ESP-12E Module) on COM5
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