VIVEK RAJEEV
IBM18CS142

I.O.T. LAB ⇒ RGB with LCD

Aim : ~~Display~~ Design a dislday system to print the colour sensed by RGB led

Hardware Required : Arduino Board, Breadboard, LCD, 16X2, RGB LED, Resistor

Code :

```
#include <LiquidCrystal.h>
LiquidCrystal lcd (12,11,5,4,3,2);

void setup()
{
  lcd.begin (16,2);
  pinMode (8, OUTPUT);
  pinMode (9, OUTPUT);
  pinMode (10, OUTPUT);
  lcd.print ("RGB Color Print"); }

void loop()
{
  delay (1000);
  digitalWrite (10, HIGH);
  digitalWrite (9, LOW);
  digitalWrite (8, LOW);
  lcd.print ("RED");
  delay (1000);
  lcd.clear ();
  digitalWrite (9, HIGH);
  digitalWrite (10, LOW);
  digitalWrite (8, LOW);
```

```
lcd.print("BLUE");
delay(1000);
lcd.clear();
digitalWrite (8, HIGH);
digitalWrite (10, LOW);
digitalWrite (9, LOW);
lcd.print ("GREEN");
delay(1000);
lcd.clear();   }
```


GND 12 11 10 9 8   5 4 3 2

PRDUINO

5V GND

LCD