PROJECT DEVELOPMENT DELIVERY OF SPRINT-1

SPRINT-1

```
#include <LiquidCrystal.h>

LiquidCrystal 1cd(5,6,8,9,10,11);

int  red1ed  =  2;

int green1ed = 3;

int buzzer = 4; int

sensor = A0;

int sensorThresh = 400;


void setup()
{
pinMode(red1ed, OUTPUT);

pinMode(green1ed,OUTPUT);

pinMode(buzzer,OUTPUT);
```

```
pinMode(sensor,INPUT);

serial.begin(9600);

1cd.begin(16,2);

}


Void loop()

{

    int analogValue = analogRead(sensor);

    Serial.print(analogvalue);

    if(analogValue>sensorThresh)

    {

      digitalWrite(red1ed,HIGH);

      digit1Weite(green1ed,LOW);

      tone(buzzer,1000,10000);

      1cd.clear();
```

```
    1cd.setCursor(0,1);

    1cd.print("RAILWAYS"); delay(1000);

    1cd.clear();

    1cd.setCursor(0,1);

    1cd.print("SMART SOLUTION");

     delay(1000);
}


 else
{

        digitalWrite(greenlad,HIGH);

        digitalWrite(red1ed,LOW);

        noTone(buzzer);

        1cd.clear();

        1cd.setCursor(0,0);

        1cd.print("SAFE");

        delay(1000);

        1cd.clear();
```

```
    1cd.setCursor(0,1);

    1cd.print("ALL CLEAR"); delay(1000);

  }

}
```