TEAM ID	PNT2022TMID31175
PROJECT NAME	SMART SOLUTION FOR RAILWAYS

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);

```
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);
    }
 }
```