DELIVERY OF SPRINT-1

TEAM ID	PNT2022TMID23589
PROJECT NAME	SMART SOLUTION FOR RAILWAYS
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SPRINT-1

```
#include <LiquidCrystal.h>

LiquidCrystal lcd(5,6,8,9,10,11);

int redled = 2; int

greenled = 3;int

buzzer = 4; int

sensor = A0;

int sensorThresh = 400;

void setup()
{
```

```
  pinMode(redled, OUTPUT);

  pinMode(greenled,OUTPUT);

  pinMode(buzzer,OUTPUT);

  pinMode(sensor,INPUT);

  serial.begin(9600); lcd.begin(16,2);

}
void loop()

{

    int analogValue = analogRead(sensor);

    Serial.print(analogvalue);

    if(analogValue>sensorThresh)

    {

      digitalWrite(redled,HIGH);
      digit1Weite(greenled,LOW);
      tone(buzzer,1000,10000);
      lcd.clear(); lcd.setCursor(0,1);
```

```
    lcd.print("RAILWAYS");

    delay(1000); lcd.clear();

    lcd.setCursor(0,1);

    lcd.print("SMART SOLUTIONS FOR RAILWAYS");

     delay(1000);

 }
 else

{

        digitalWrite(greenlad,HIGH);

        digitalWrite(redled,LOW);

        noTone(buzzer);

        lcd.clear();

        lcd.setCursor(0,0);

        lcd.print("SAFE");

        delay(1000);

        lcd.clear();

        lcd.setCursor(0,1);

        lcd.print("ALL CLEAR");
```

```
    delay(1000);
  }
}
```