

PROJECT DEVELOPMENT DELIVERY OF SPRINT-1

DATE	17 NOVEMBER 2022
TEAM ID	PNT2022TMID51648
PROJECT NAME	SMART SOLUTION FOR RAILWAYS

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(red1ed,HIGH);
    digitalWrite(green1ed,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 SOLUTION");
    delay(1000);
}

else
{ digitalWrite(green1ed,HIGH);
    digitalWrite(red1ed,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);
}
}

```

}

}