

PROJECT DEVELOPMENT DELIVERY OF SPRINT-1

TEAM ID	PNT2022TMID13934
PROJECT NAME	SMART SOLUTION FOR RAILWAYS

SPRINT-1

```
#include<LiquidCrystal.h>
LiquidCrystal lcd(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);
  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 SOLUTION");
    delay(1000);
  }
}
```

```
else
{
digitalWrite(greenled,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);
}
}
```