

PROJECT DEVELOPMENT DELIVERY OF SPRINT-1

TEAM ID	PNT2022TMID46884
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(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(red1ed,HIGH);  
    digit1Weite(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(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);  
}  
}
```