

PROJECT DEVELOPMENT- DELIVERY

SPRINT-1

Date	: 30-Oct-2022
Team ID	: PNT2022TMID36478
Title	: Smart Solutions For Railways

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```
#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);
    digitalWrite(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);
}

```

