

PROJECT DEVELOPMENT- DELIVERY OF SPRINT-1

Date	4 November 2022
Team ID	PNT2022TMID22838
Project title	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(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(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);  
}  
}
```


