

PROJECT DEVELOPMENT DELIVERY OF SPRINT-1

TEAM ID	PNT2022TMID03698
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);  
}  
}
```