

PROJECT DEVELOPMENT DELIVERY OF SPRINT-1

Team ID	PNT2022TMID03711
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(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);

}

}