PROJECT DEVELOPMENT DELIVERY OF SPRINT-1

DATE	17 NOVEMBER 2022
TEAM ID	PNT2022TMID16913
PROJECT NAME	SMART SOLUTION FOR RAILWAYS

SPRINT-1

```
#include <LiquidCrystal.h>
LiquidCrystal  1cd(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);
1cd.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); 1cd.clear();
     1cd.setCursor(0,1);


     1cd.print("RAILWAYS
     ");delay(1000); 1cd.clear();
     1cd.setCursor(0,1);
     1cd.print("SMART SOLUTION");
      delay(1000);

   }

  else
  { digitalWrite(greenlad,HIGH);
      digitalWrite(red1ed,LOW);
      noTone(buzzer);
        1cd.clear(); 1cd.setCursor(0,0);
        1cd.print("SAFE")

        ; delay(1000);

        1cd.clear(); 1cd.setCursor(0,1);
      1cd.print("ALL CLEAR");
      delay(1000);
```

```
    }
}
```