TEAM ID: PNT2022TMID51722

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);

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);
}
}
```