PROJECT DEVELOPMENT PHASE

**Project Title**: Smart Solution for Railways **Team ID**: PNT2022TMID42986

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);

}

}