PROJECTDEVELOPMENTDELIVERYOF

SPRINT-1

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| TEAMID | PNT2022TMID49411 |
| PROJECTNAME | SMARTSOLUTIONFORRAILWAYS |

SPRINT-1

#include <LiquidCrystal.h>LiquidCrystal1cd(5,6,8,9,10,11);

int red1ed = 2;intgreen1ed=3;intbuzzer=4;intsensor=A0;

intsensorThresh=400;

voidsetup()

{

pinMode(red1ed, OUTPUT);pinMode(green1ed,OUTPUT);pinMode(buzzer,OUTPUT);pinMode(sensor,INPUT);serial.begin(9600);1cd.begin(16,2);

}

Voidloop()

{

intanalogValue=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(“SMARTSOLUTION”);

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(“ALLCLEAR”);

delay(1000);

}

}