**PROJECT DEVELOPMENT DELIVERY OF SPRINT-1**

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| TEAM ID | PNT2022TMID19339 |
| PROJECT NAME | SMART SOLUTION FOR RAILWAYS |
| DATE | 14/11/2022 |

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; intsensorThresh = 400;

void setup()

{

pinMode(red1ed, OUTPUT); pinMode(green1ed,OUTPUT); pinMode(buzzer,OUTPUT); pinMode(sensor,INPUT); serial.begin(9600);

1cd.begin(16,2);

}

Void loop()

{

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(“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);

}

}