

## **PROJECT DEVELOPMENT DELIVERY**

### **SPRINT-1**

TEAM ID	PNT2022TMID32983
PROJECT NAME	SMART SOLUTION FOR RAILWAYS
DATE	14/11/2022

### **SPRINT-1:**

```
#include <LiquidCrystal.h>

LiquidCrystal lcd(5,6,8,9,10,11);

int redLed = 2; int greenLed = 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);
  lcd.begin(16,2);
}
```

```
Void loop()
{

  int analogValue = analogRead(sensor);
  Serial.print(analogvalue);
  if(analogValue>sensorThresh)
  {
```

```
    digitalWrite(red1ed,HIGH);
    digitalWrite(green1ed,LOW);
    tone(buzzer,1000,10000);
    lcd.clear();
    lcd.setCursor(0,1);
    lcd.print("RAILWAYS"); delay(1000);
    lcd.clear();
    lcd.setCursor(0,1);
    lcd.print("SMART SOLUTION");
    delay(1000);
}

else
{
```

```
    digitalWrite(greenlad,HIGH);  
    digitalWrite(red1ed,LOW);  
    noTone(buzzer); lcd.clear();  
  
    lcd.setCursor(0,0);  
    lcd.print("SAFE");  
    delay(1000);  
    lcd.clear();  
    lcd.setCursor(0,1);  
    lcd.print("ALL CLEAR"); delay(1000);  
}  
}
```