**PROJECT DEVELOPMENT DELIVERY OF  
SPRINT-1**

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| Team ID | PNT2022TMID11445 |
| Project Name | Smart solutions 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); 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);  
}  
}