

PROJECT DEVELOPMENT DELIVERY OF SPRINT-1

TEAM ID	PNT2022TMID26697
PROJECT NAME	REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM

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);  
  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("MONITORING");  
delay(1000);  
    1cd.clear();  
    1cd.setCursor(0,1);  
1cd.print("EVACUATE");  
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);  
    }  
}
```