GAS LEAKAGE MONITORING&ALERTING SYSTEM FOR INDUSTRIES

IBM NALAIYATHIRAN

PROJECT DEVELOPMENT PHASE

SPRINT 1:

TITLE	GAS LEAKAGE MONITORING & ALTERING SYSTEM FOR INDUSTRIES
DOMAIN NAME	INTERNET OF THINGS
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CODE:

```
#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(redled, OUTPUT);
pinMode(greenled,OUTPUT);
pinMode(buzzer,OUTPUT);
pinMode(sensor,INPUT);
Serial.begin(9600);
lcd.begin(16,2);
```

```
 }
void setup()
{
pinMode(redled,OUTPUT);
pinMode(greenled,OUTPUT);
pinMode(buzzer,OUTPUT);
pinMode(sensor,INPUT);
Serial.begin(9600);
Lcd.begin(16,2);
}

void loop()
{
int analogValue = analogRead(sensor);
Serial.println(analogValue);

if (analogValue  > sensorThresh)
{
digitalWrite(redled,HIGH);
degitalWrite(greenled,LOW)l
tone(buzzer,1000,10000);
lcd clear();
lcd.setCursor(0,1);
lcd.print("ALERT")L
delay(1000);
lcd.clear();
lcd.setCursor(0,1);
lcd.print("EVACUATE");
}
```