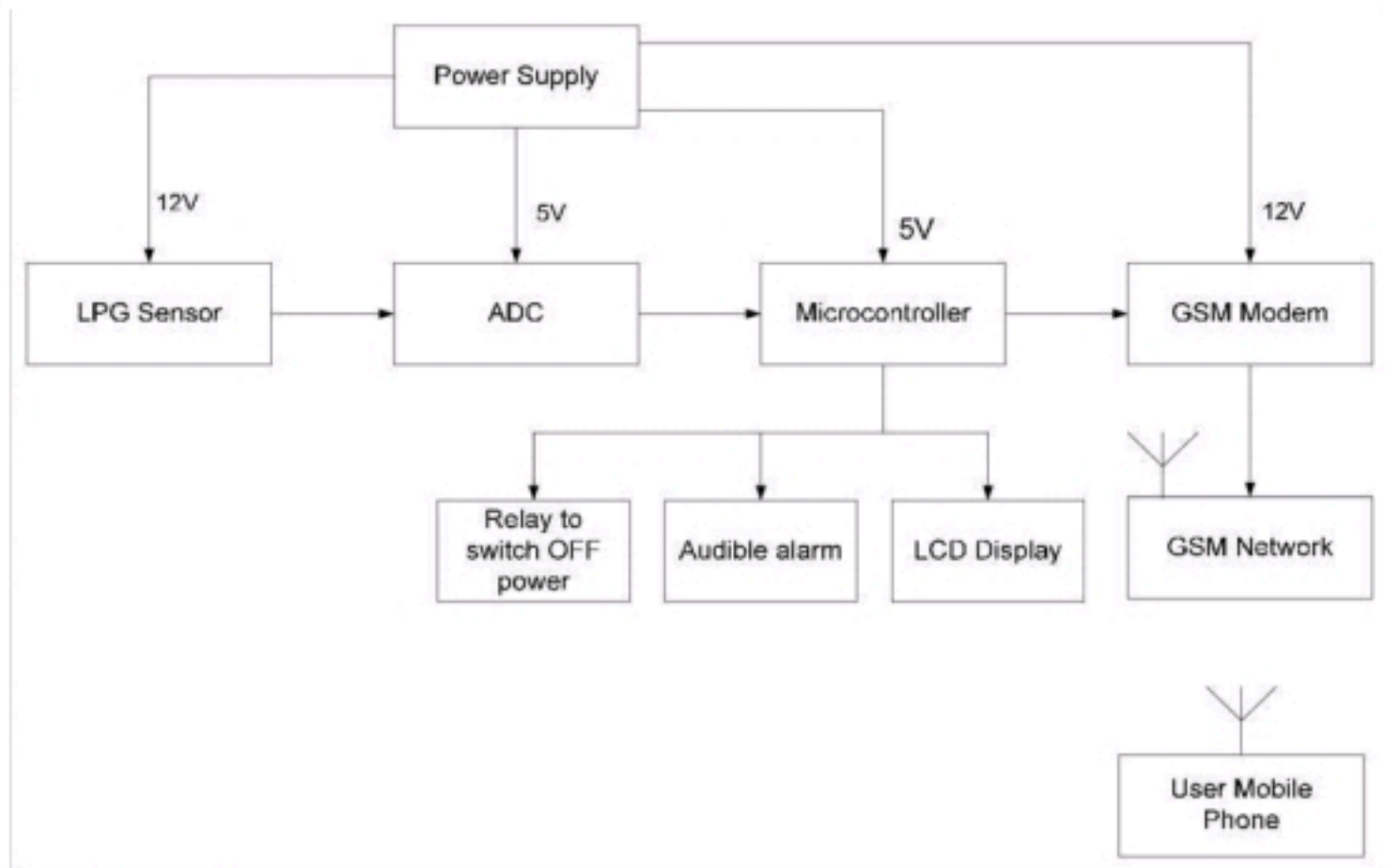


**Project Development phase**  
**Project Development -Delivery of sprint -2**

Team ID	PNT2022TMID50840
Project Name	Gas leakage monitoring and alerting system

**Architecture :**



**Program /Coding :**

sketch\_may14a §

```
void setup ()  
{  
  pinMode (buzzer, OUTPUT);  
  pinMode (smokeA0; INPUT);  
  Serial.begin(9600); //Sets the serial port to 9600  
  Serial.println("Gas sensor is giving you a warning now");  
  delay(1800); //Allows the MQ2 Sensor some time to react  
  noTone(buzzer);  
}  
  
void loop()  
{  
  sensorValue = analogRead(smokeA0); // read analog pin A0  
  
  Serial.print("Sensor Value: ");  
  Serial.print(sensorValue);  
  
  if(sensorValue >320)  
  {  
    Serial.print{" | Smoke has been detected");  
    tone(buzzer,1000,200);  
  }  
  else {  
    noTone(buzzer);  
  }  
  Serial.println("");  
  delay(200); //wait for finish
```

sd\_card\_and\_distance\_using\_ultrasonic

```
digitalWrite(10, LOW);

duration=pulseIn(9, HIGH);
distance=(duration/58.2);
delay(1000);
{
    myFile=SD.open("report.txt", FILE_WRITE);
    if(myFile){
        myFile.print("distance is");
        myFile.println(distance);
        myFile.close();
    }

    Serial.print("distance is ");
    Serial.println(distance);
}
delay(700);
}
```

### IoT:

The Internet of things describes physical objects with sensors, processing ability, software, and other technologies that connect and exchange data with other devices and systems over the Internet or other communications networks.