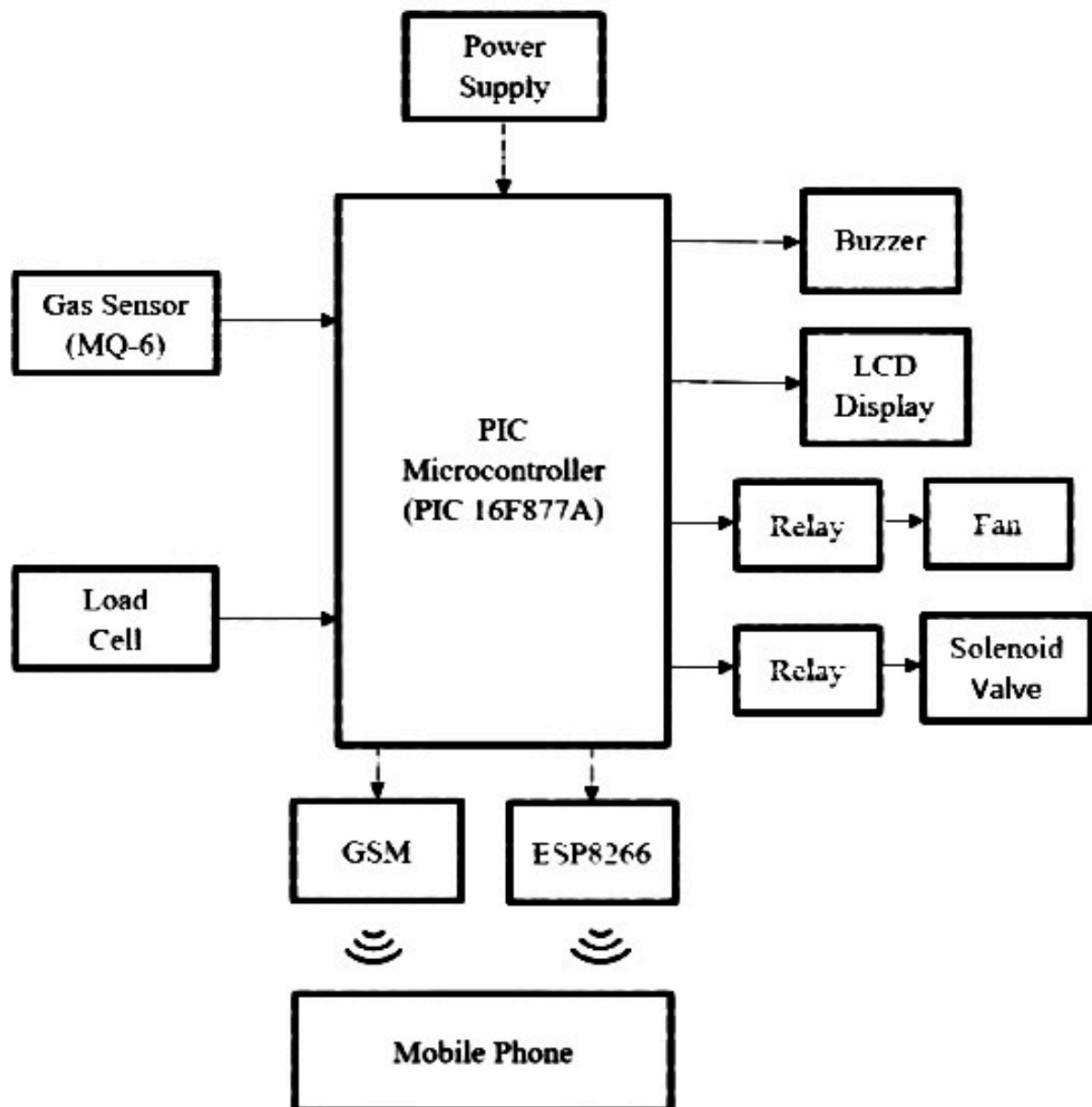


Project Development Phase
Project Development-Delivery of Sprint-1

Team ID	PNT2022TMID50840
Project Name	Gas leakage monitoring and alerting system



Coding:

```
#include  
  
LiquidCrystal lcd(3, 2, 4, 5, 6, 7);  
  
#define lpg_sensor 18  
  
#define buzzer 13  
  
void setup()  
{  
  
  pinMode(lpg_sensor, INPUT);  
  
  pinMode(buzzer, OUTPUT);  
  
  lcd.begin(16, 2);  
  
  lcd.print("LPG Gas Detector");  
  
  lcd.setCursor(0,1);  
  
  lcd.print("Circuit Digest");  
  
  delay(2000);  
  
}
```

```
void loop()
{
  if(digitalRead(lpg_sensor))
  {
    digitalWrite(buzzer, HIGH);
    lcd.clear();
    lcd.print("LPG Gas Leakage");
    lcd.setCursor(0, 1);
    lcd.print(" Alert ");
    delay(400);
    digitalWrite(buzzer, LOW);
    delay(500);
  }
  else
  {
```

```
digitalWrite(buzzer, LOW);
```

```
lcd.clear();
```

```
lcd.print(" No LPG Gas ");
```

```
lcd.setCursor(0,1);
```

```
lcd.print(" Leakage ");
```

```
delay(1000);
```

```
}
```

```
}
```

Software Required:

Python IDLE

System Required:

RAM-Minimum 4GB Processor-Min. Configuration os-Windows /Linux/

MAC