PRACTICAL REPORT

For IoT Practical

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5.10 – Simple Analog and Digital Input

➔ **Arduino Code:**

```
long warningThreshold = 1200;

long criticalThreshold = 1000;

const int batteryPin = 0;

const int ledPin = 13;

void setup()

{

        pinMode(ledPin, OUTPUT);

}

void loop()

{

        int val = analogRead(batteryPin);


        if( val < (warningThreshold * 1023L)/5000)

                flash(val) ;

}


void flash(int percent)

{

        digitalWrite(ledPin, HIGH);

        delay(percent + 1);

        digitalWrite(ledPin, LOW);

        delay(100 - percent );

}
```

➔ Output / Circuit Diagram:

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