PRACTICAL REPORT

For IoT Practical

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DARSHAN RAMJIYANI (DSP)

DOCS, KSKV Kachchh University

❖ 6.06 - Getting Input from Sensors

Respond to vibration; for example, when a door is knocked on.

Arduino Code:

```cpp
const int sensorPin = 0;
const int ledPin = 13;
const int THRESHOLD = 100;

void setup()
{
   pinMode(ledPin, OUTPUT);
   pinMode(sensorPin, INPUT);
}

void loop()
{
   int val = analogRead(sensorPin);

   if (val >= THRESHOLD)
   {
      digitalWrite(ledPin, HIGH);
      delay(100); // to make the LED visible
   }
   else
      digitalWrite(ledPin, LOW);
}
```

Circuit Diagram / Output:

DARSHAN RAMJIYANI