



PRACTICAL REPORT

For IoT Practical



DARSHAN RAMJIYANI (DSP)

DOCS, KSKV Kachchh University

🚦 5.7 – Simple Analog and Digital Input

➔ Arduino Code:

```
const int potPin = 0;
int ledPin = 13;
void setup()
{
    pinMode(ledPin, OUTPUT);
    Serial.begin(9600);
}
void loop()
{
    int val;
    int percent;
    val = analogRead(potPin);
    percent = map(val,0,1023,0,100);
    digitalWrite(ledPin, HIGH);
    delay(percent);
    digitalWrite(ledPin, LOW);
    delay(100 - percent);
    Serial.println(percent);
}
```

➔ **Output / Circuit Diagram:**

