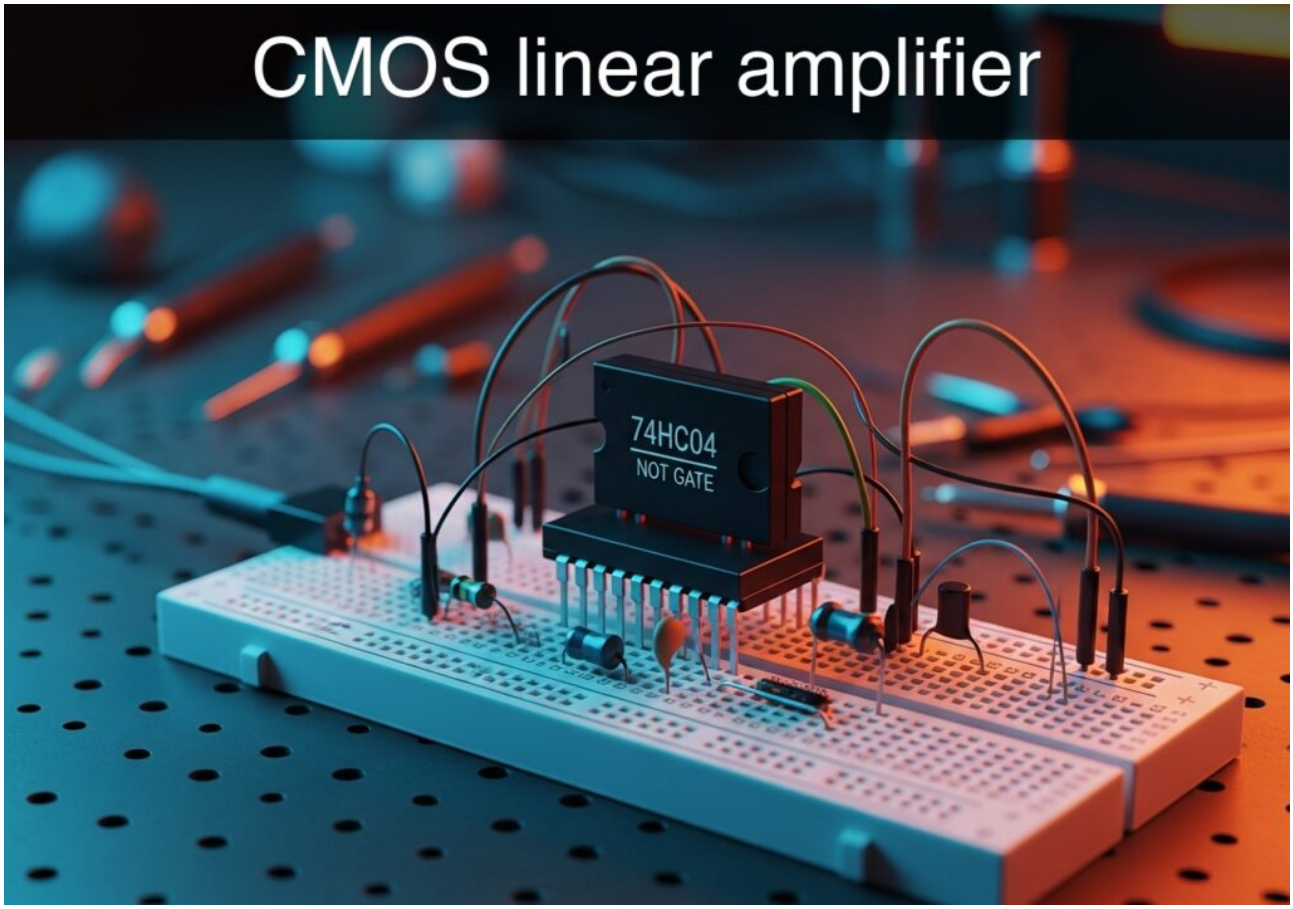
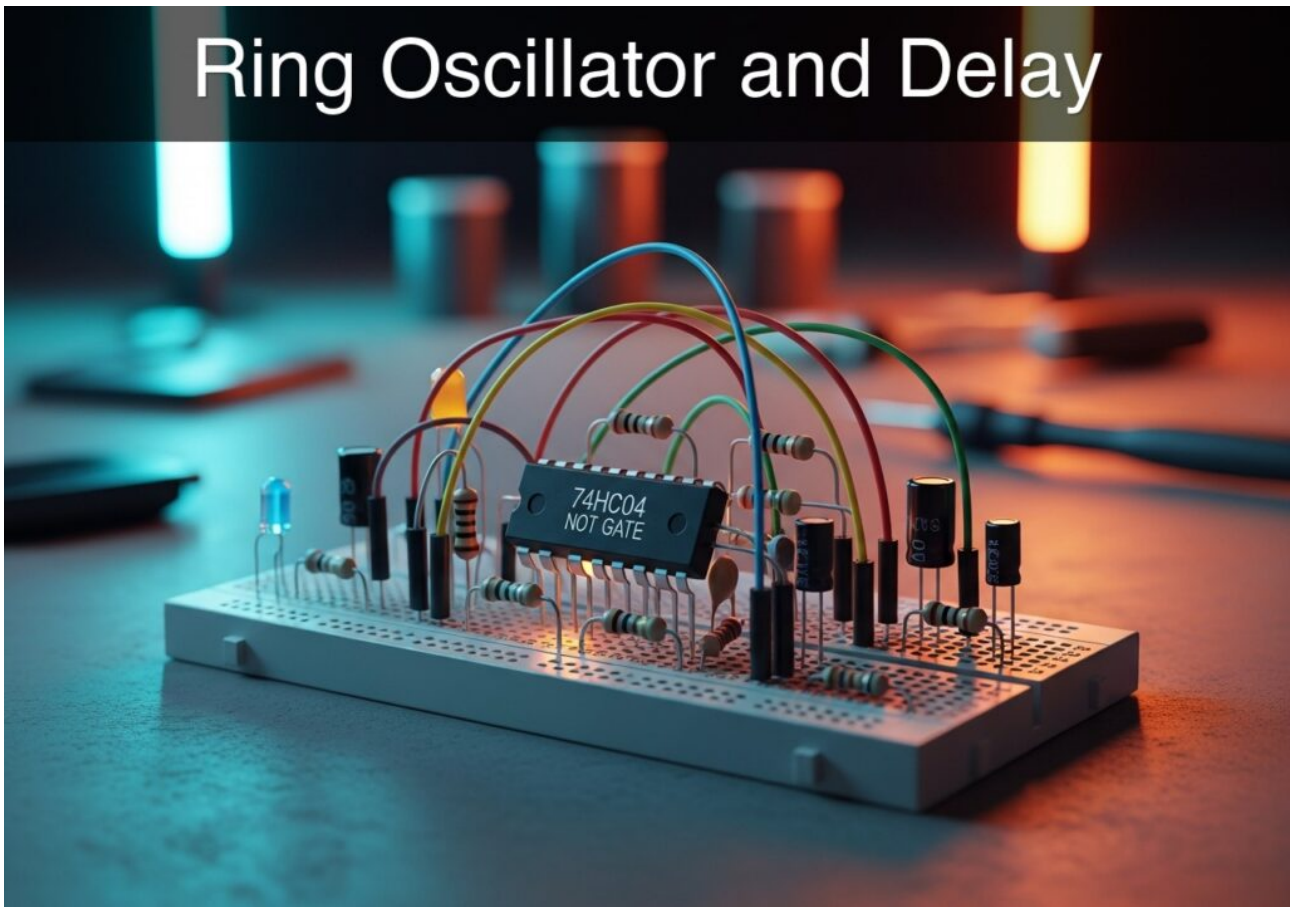
Practical case: CMOS linear amplifier



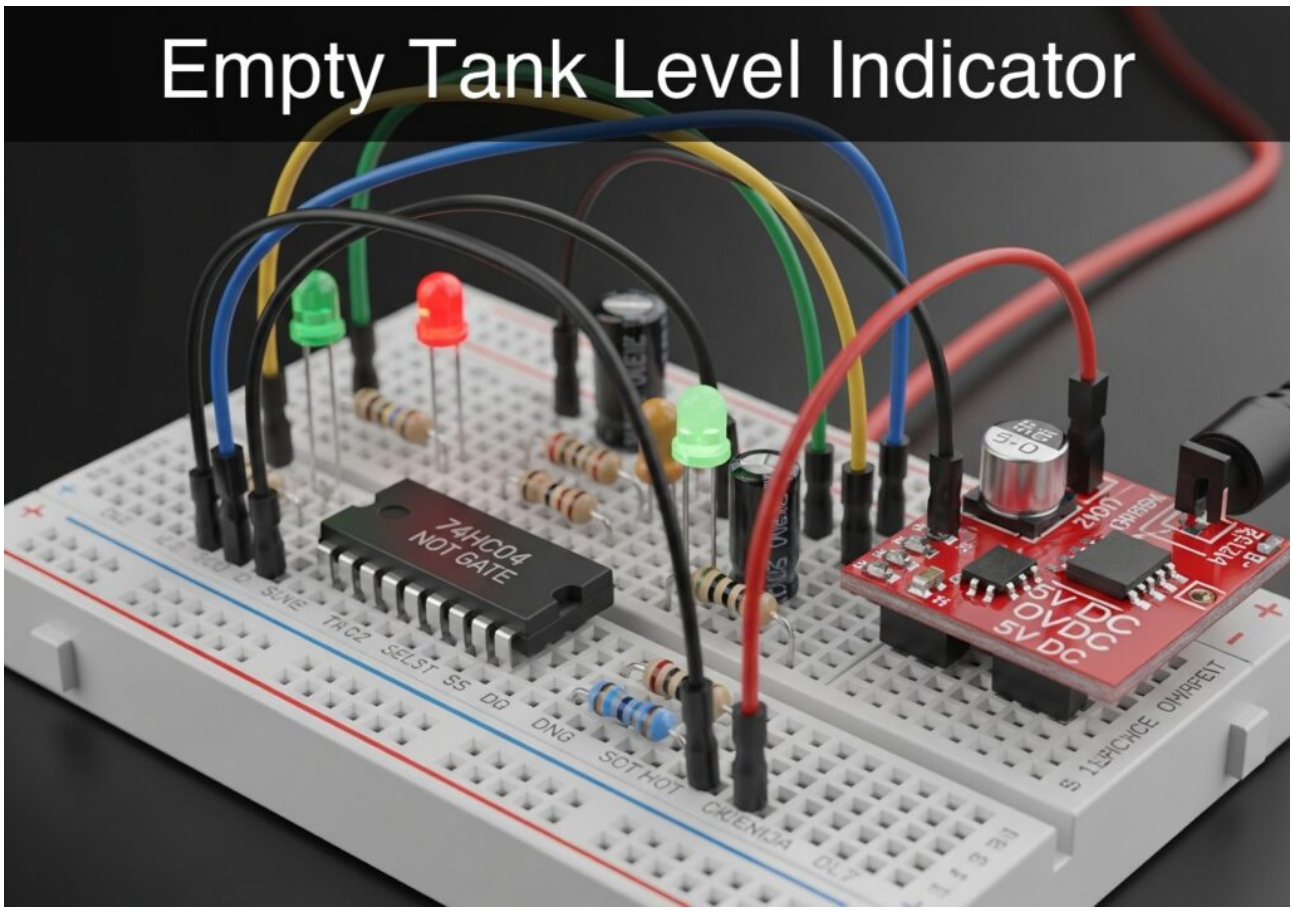
Explore Digital Electronics by configuring a NOT gate as a Class A linear amplifier. Build the circuit to observe measurable AC signal gain and self-biasing.

Practical case: Ring Oscillator and Delay



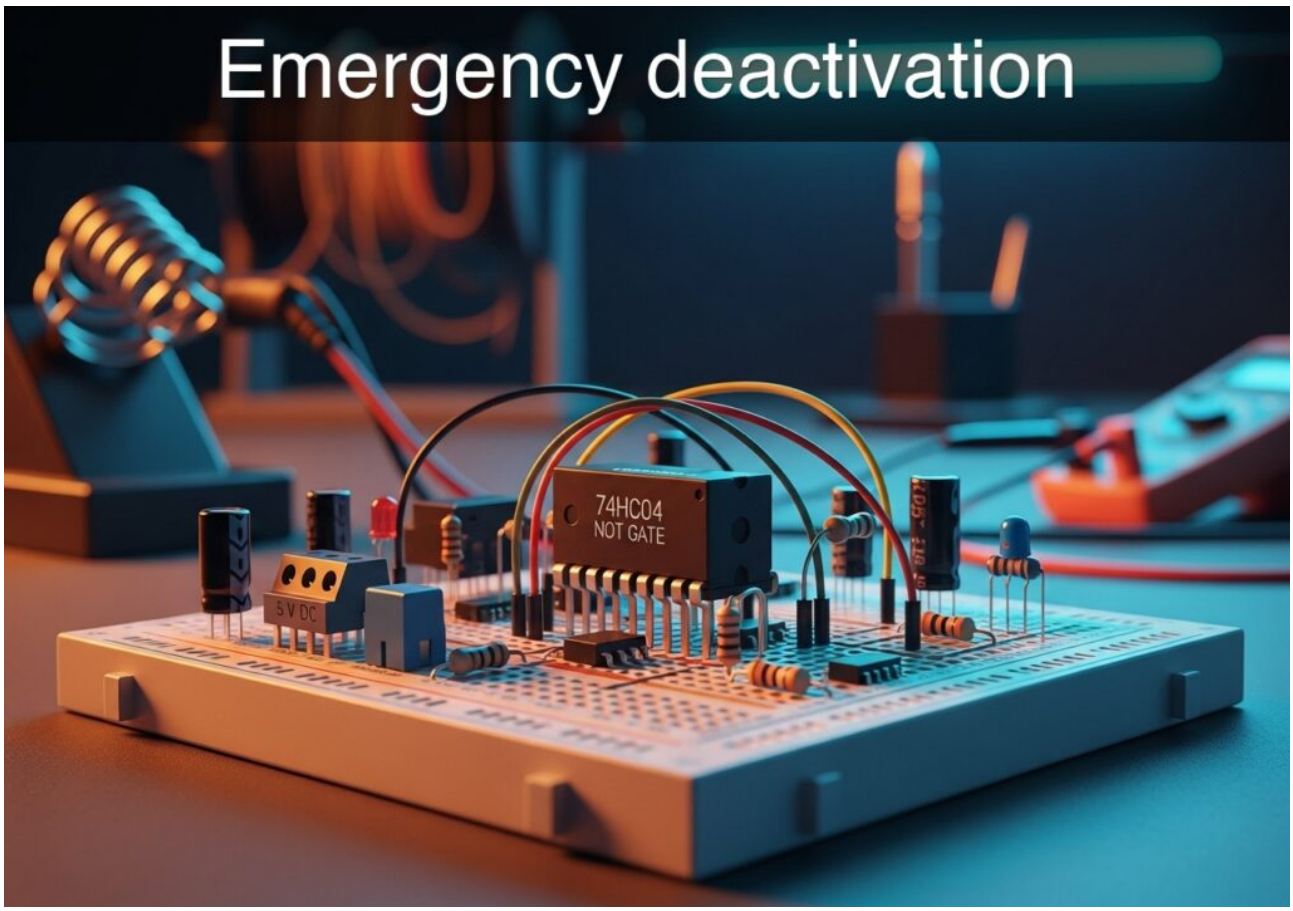
Master Digital Electronics by building a ring oscillator using NOT gates. Measure the MHz output frequency to calculate precise propagation delay.

Practical case: Empty Tank Level Indicator



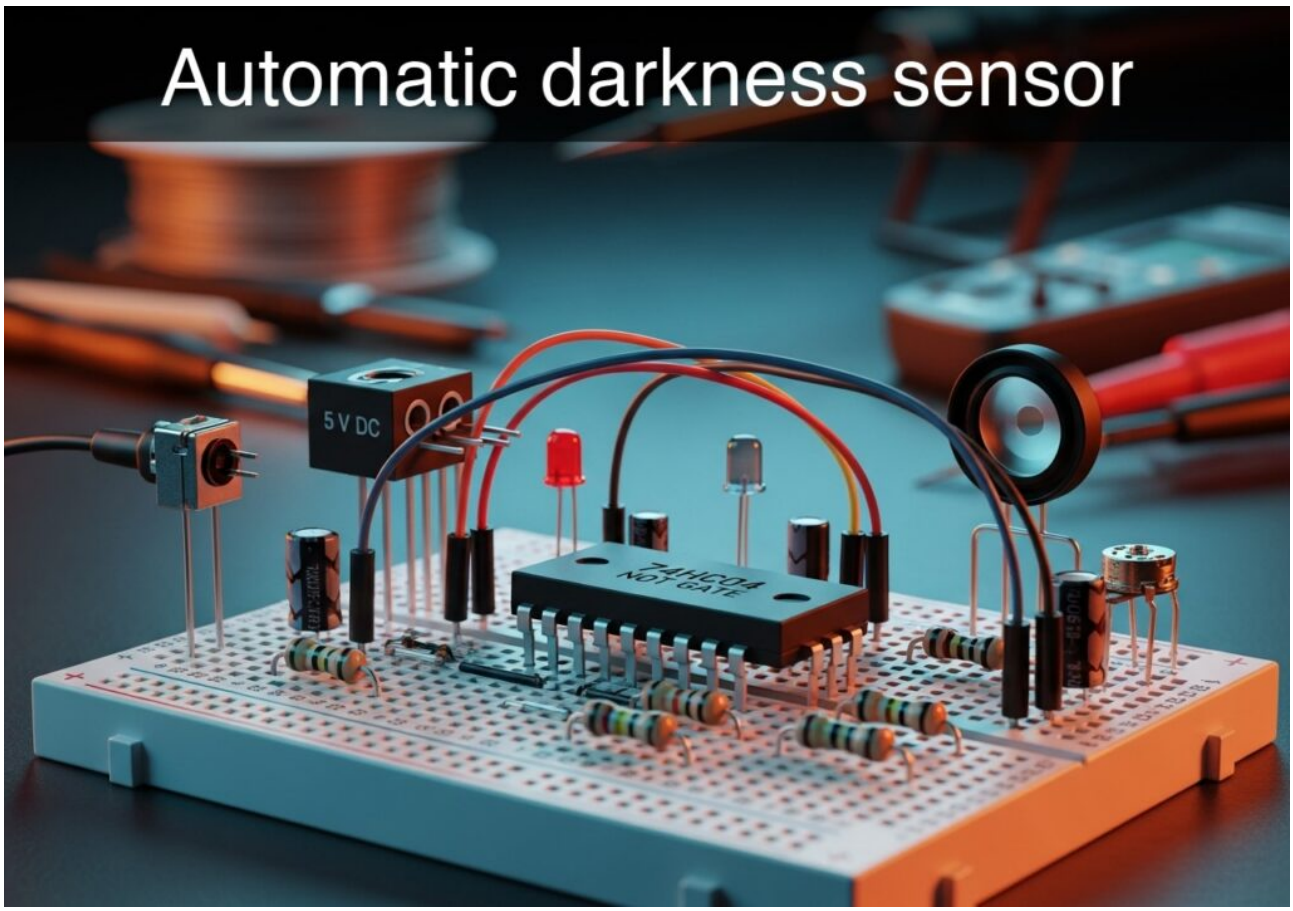
Master Digital Electronics by building a water level alarm with a NOT gate. Design a circuit that lights an LED when tanks empty, preventing pump damage.

Practical case: Emergency deactivation



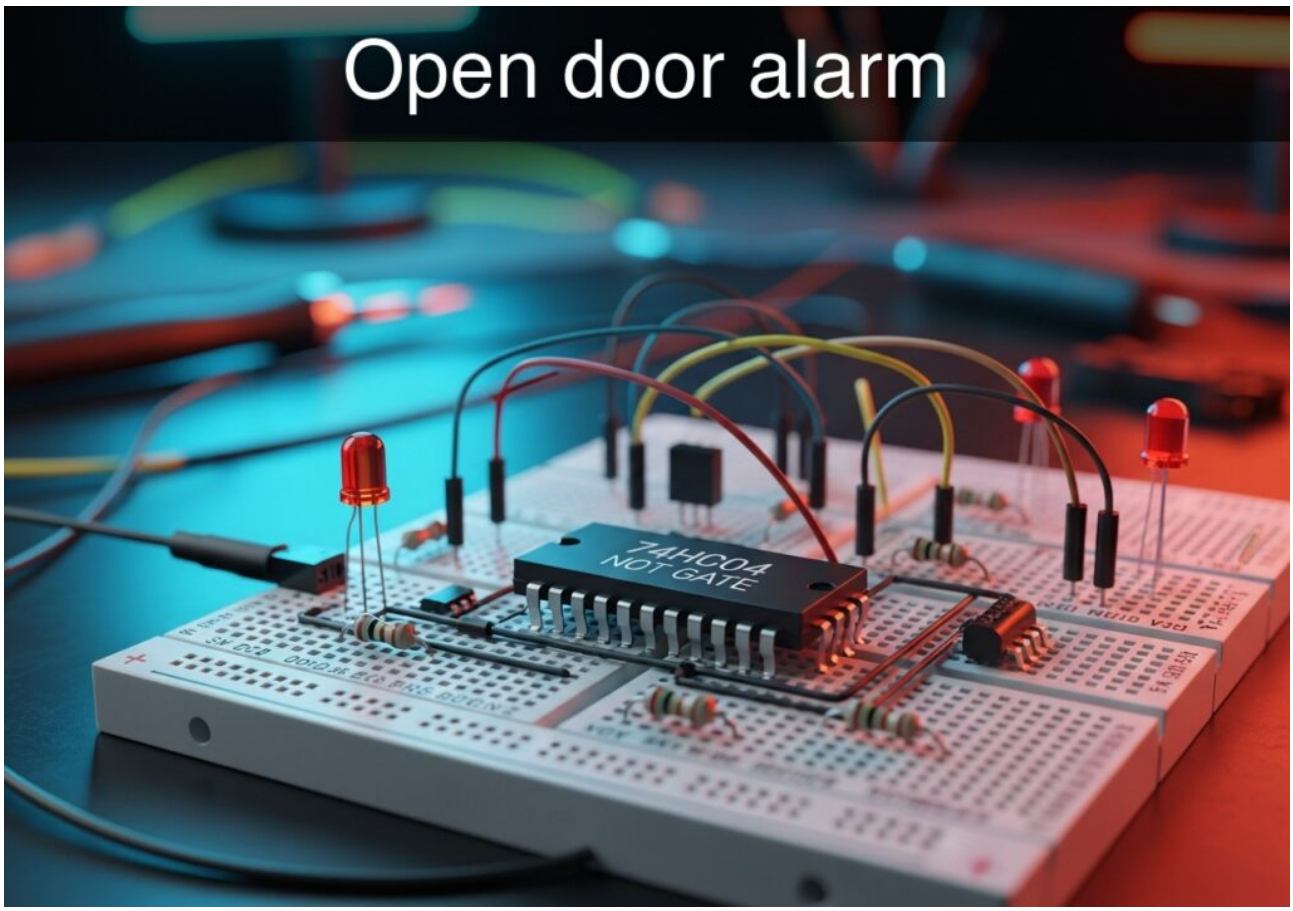
Learn Digital Electronics by building a safety kill switch using a NOT gate. Create a circuit where pressing a button instantly cuts the Ready signal voltage.

Practical case: Automatic darkness sensor



Master Digital Electronics by building an automatic night light. Use a NOT gate and LDR to detect darkness and trigger an LED, learning practical sensor logic.

Practical case: Open door alarm



Master Digital Electronics by building a security circuit with a NOT gate. Learn to trigger an LED warning signal instantly when a switch contact opens.