Video-19

Thermometer Using Attiny85

This compact thermometer uses an **ATtiny85 microcontroller** and a **TMP36 temperature sensor** to measure ambient temperature and indicate different ranges using a **single LED**. The analog temperature reading is converted to **Fahrenheit**, and the LED blinks at varying speeds to represent temperature ranges:

- Fast blinking for cold (≤68°F)
- Medium blinking for moderate (70–116°F)
- Slow blinking for warm (≥123°F)
- Steady ON for very hot temperatures

Powered by a **1.5V battery** (with a boost converter if needed), this project is ideal for **ultra-low-power temperature monitoring** in compact or wearable applications.