Project Description: Arduino TMP36 real-time Serial Monitor LED Components Required: Arduino UNO TMP36 Temperature Sensor LED (optional) Jumper Wires, Breadboard 220Ω Resistor Circuit Overview: TMP36: VCC → 5V (Arduino) GND → GND OUT → A0 (Analog Pin) LED (optional): Positive → Pin 8 Negative \rightarrow GND (via 220 Ω resistor) Features: Serial Monitor Tempture > 30°C are LED ON Expandable with LCD, IoT, Data Logging Code Logic: analogRead → voltage = (reading * 5.0) / 1024 TMP36 output मध्ये 0.5V = 0°C Final temperature formula: