Digital Thermometer

PES UNIVERSITY

This project is a smart motion detection and environmental monitoring system using an Arduino. It integrates a PIR sensor to detect human presence and triggers a buzzer alert. Simultaneously, it reads temperature from an LM35 sensor and estimates ambient temperature using a UV sensor. All readings and status updates are displayed on a 16x2 I2C LCD screen. The system is ideal for security and environmental awareness applications.
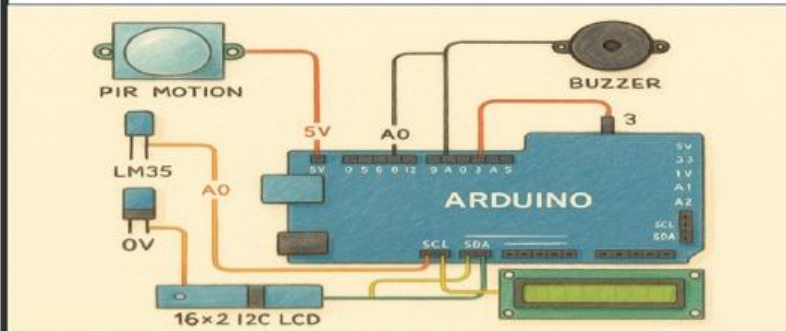
Kishore H N
PES2UG23CS278

Keerthan P V
PES2UG23CS272

M Niranjan
PES2UG23CS308

Prof. Deepti C