Video-05

Interfacing Temperature Sensor with Arduino UNO

This project uses an **Arduino Uno** and an **LM35 temperature sensor** to monitor temperature in both **Celsius and Fahrenheit**. The sensor is connected to **analog pin A0**, where it outputs a voltage proportional to the temperature. The Arduino reads this analog signal, converts it to voltage, and then calculates the temperature in Celsius and Fahrenheit. The readings are displayed on the **serial monitor** every 3 seconds. This project is ideal for **environment monitoring**, **basic weather stations**, or **temperature-sensitive systems**.