

# AIR POLLUTION MONITORING SYSTEM

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## **Software Installations:**

### **1. Update your Raspberry Pi**

Sudo apt-get update Sudo apt-get upgrade

### **2. Install Python and pip if not already installed**

Sudo apt-get install python 3 python 3-pip

### **3. Install required Python packages**

pip 3 install flask

pip 3 install flask-cors

pip 3 install requests

pip install Adafruit\_DHT

### **4. Create a project directory**

mkdir Air pollution

cdAir\_pollution

## **Project Setup:**

### **1. Create the main Python file:**

app.py

### **2. Copy the code into the file:**

app.py

### **3. Make the script executable:**

app.py

## **Running the Project:**

### **1. Start the system:**

python3app.py

### **2. Access the web interface:**

### **3. From the same Raspberry Pi:**

http://localhost:5000

### **4. From other devices on the network:**

http://[rasberry\_pi\_ip]:5000To find your Raspberry Pi IP: hostname-I

## **Screenshots:**

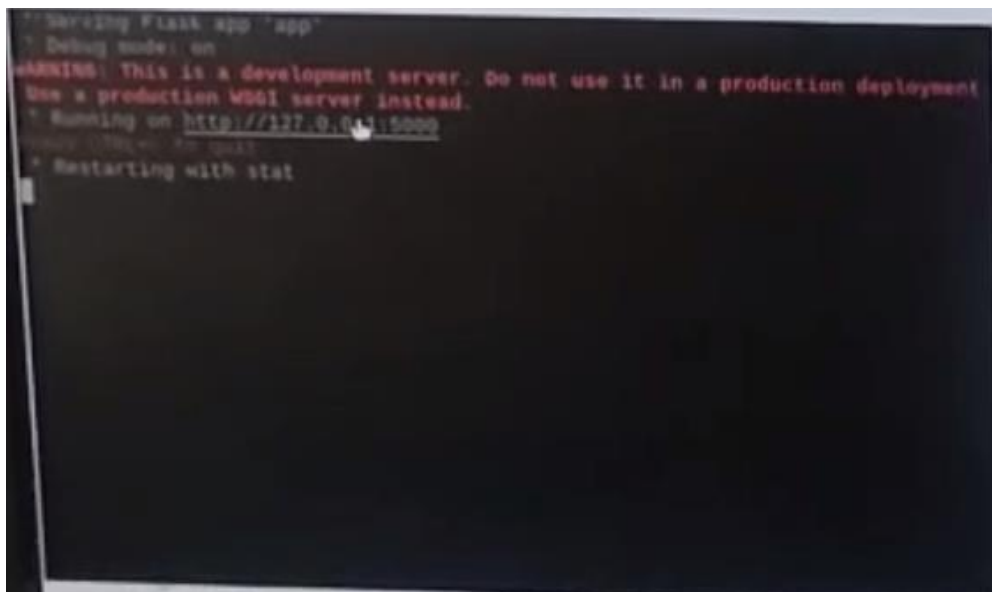


Fig: The Terminal

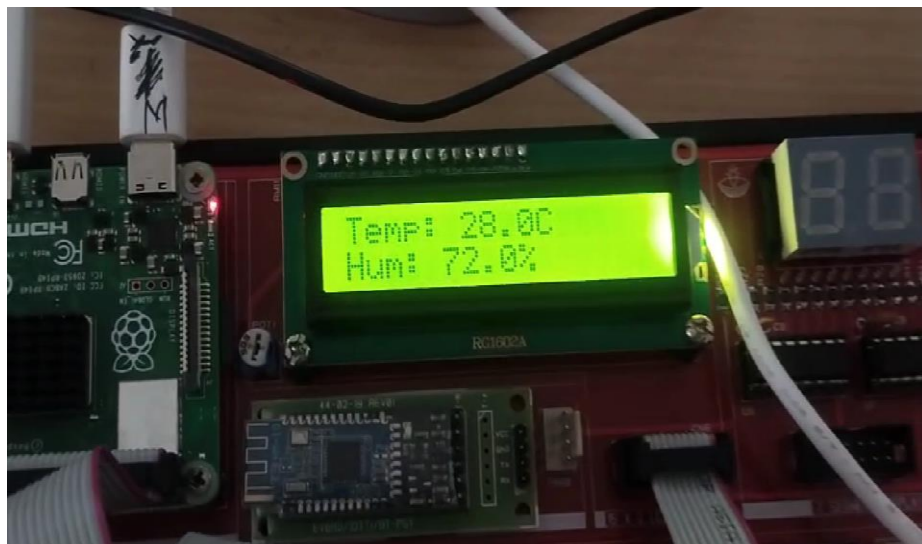


Fig: 16x2 LCD Display

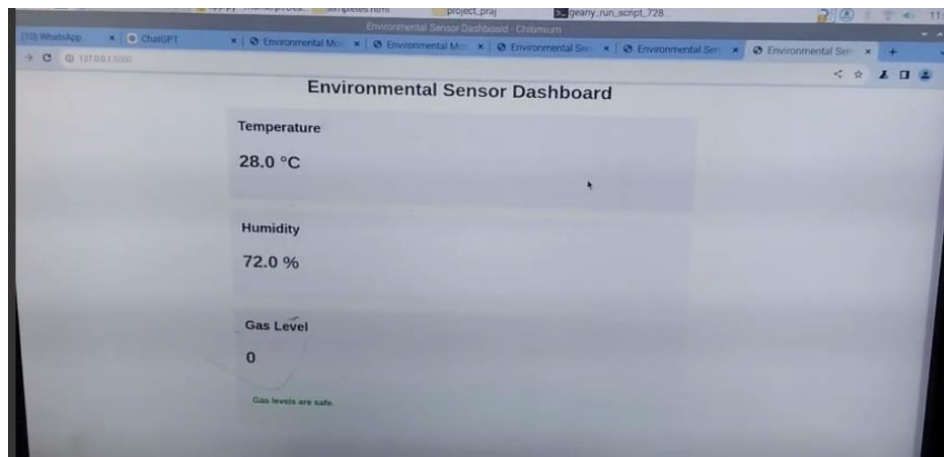


Fig: The web page of the project