

Smart Agriculture 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 installed

`sudo apt-get install python python-pip`

3. Install required Python packages

`pip install flask`

`pip install Adafruit_DHT`

`pip install Adafruit_GPIO`

`pip install RPi.GPIO`

4. Create a project directory

`mkdir smartagri_main`

`cd smartagri_main`

`mkdir smartagri_final`

`cd smartagri_final`

Project Setup :

1. Create the main Python file:

`Smartag.py`

2. Copy the code into this file.

3. Make the script executable

`Smartag.py -- dashboard.html`

Running the Project :

- 1. Start the system:**
`python smartag.py`
- 2. Access the web interface:**
- 3. From the local host:** `http://0.0.0.0:5000/`

Screenshots :

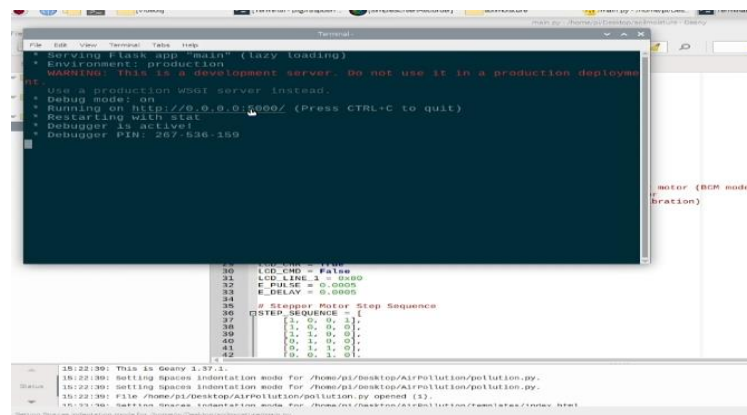


Fig. Access project directory in terminal

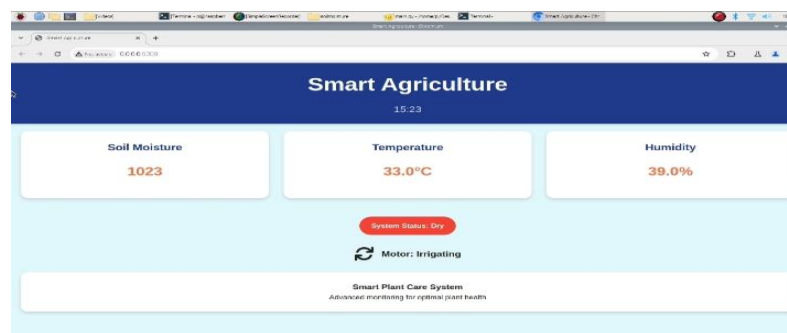


Fig. Project dashboard

