

Smart Composter MVP

The goal of this project was to enhance home worm composting through a smart solution. This technological solution aimed to measure vital parameters such as temperature, humidity, and soil pH to optimize worm health and increase composting efficiency.

- Communication with the THPH-S soil sensor for data acquisition.
- Acquired and transmitted essential data to the ThingSpeak cloud platform.
- Implemented data visualization on the serial monitor for user convenience.



Application:

- Home composting
- Environmental monitoring

Technologies Used:

- Arduino IDE
- ESP32 microcontroller
- THPH-S soil sensor
- ThingSpeak cloud platform