

# Sustainable Mushroom Farming

## Project Description

The purpose of this project is to facilitate the growth of MycoNurseries through implementing a sensor system and an irrigation system, and analyzing further avenues of expansion for MycoNurseries. MycoNurseries currently uses manual methods to analyze humidity, temperature, and other parameters. A sensor and irrigation system would greatly help the non-profit focus its available resources on other important aspects of the operation. Depending on interest, there is the possibility of working on building a website and other communication channels.

## Project Deliverables

A sensor and irrigation system fit for MycoNurseries's use and a report on further avenues of growth for MycoNurseries, including potential partnerships, and improved growing techniques. Depending on interest, a website.

## Learning Outcomes

- Increased familiarity with sustainable mushroom farming and its importance
- Apply concepts of electrical and computer systems to real scenarios
- Gain experience in sustainability sector
- Impact assessment of an ongoing project

## Recommended Skillset

- Experience in farming / gardening
- Interest in Urban Agriculture
- Familiar with electrical and computer systems
- Project management

## Support Organization

**MycoNurseries:** A registered non-profit specializing in sustainable mushroom growing. MycoNurseries has a physical space in the Stewart Biology Phytotron.