

PROJECT ABSTRACT FOR FINAL SUBMISSION

Project Title: Plants Sonificator

Student's Full Name: Paphungkorn Laoskulporn

Course: Design 1

Studio Brief Title: MASH-UP

Instructor's Full Name: Pakphum Youttananakorn

Short Project Description (100 words max.):

Plants Sonificator is an interactive and relaxing space where the community can connect with nature through the soothing sounds of surrounding plants. This project transforms plants signal into a symphony of unique tones. These signals are then turned into music that plays softly in the space. People can sit, relax, or even interact to the gentle sounds while enjoying the peaceful atmosphere. The cylindrical-shape design with organic panels not only attracts visitors from around, but also allow sound to flow evenly in all directions, ensuring that the plants sound can be experienced from every angle.

Full Project Narrative/Text Description (300 words max.):

This project aims to design a space that is both interactive and quiet at the same time. This is because, from my observation of the site, I found that it is surrounded by crowded noise caused by construction and traffic jams. Moreover, there are only a few interactive spaces for people to explore and learn.

My design originates from my study objects, which is a CD player and a speaker. These objects are related to how a signal is conveyed into sound and added up with a complex structure such as bank inserter and a kid toy. Therefore, I started to develop an object through which the community can connect with nature via the soothing sounds of surrounding plants, called a plant sonificator. This device captures electrical signals from plants and converts them into sound.

When receiving sound from plants, electrodes placed on the plants convey the plant signals and send them to a sound synthesizer located in the center of the room. The synthesizer processes the plant signals and turns them into unique tones or music. The sound is then transmitted through wires to speakers placed around the room, allowing the soothing tones to fill the entire space. This setup ensures that the sounds flow from various directions, creating a harmonious and relaxing environment for visitors.

The function of this room is not only for people to listen to the plant sounds but also to adjust them using a sound controller, making the sound more relaxing. Additionally, visitors can interact with the plants by touching them, and the sound will be projected to a specific spot above the ceiling, making the room more lively and playful. After exploring, people can find a space to sit and relax with the sound sensation.