

Final Presentation Slides: (12-15)

1. Introduction: – 1 Slide

- a. The junction between technology and nature currently:
 - i. Human centered technology and thinking → there is a clear hierarchy in the ways that we think and place other beings or objects.
 - 1. Even microbes are
 - ii. Human destruction on earth
 - iii. There are bio friendly ideas/companies but they are still human centered, it's for humans but doesn't harm the environment as much → this is an improvement towards creating a healthier relationship with nature/non-human species/microbes. However, the hierarchy is still in place where humans stand on top. To better create a world where humans and other beings are living harmoniously, we need to create a better link of respect between both sides. Through an equal level of respect, we can hopefully live together without disregarding each other's needs and damage our planet?

2. Idea Introduction: – 1 Slide

- a. The problem areas that we are tackling.
 - i. Human centrism
 - ii. Deteriorating planet – global warming, human made toxins
- b. Why are we trying to address these issues? What will this solve?
 - i. Break the hierarchy between humans and non-human species. Although we are always taught to respect each other's people, the same thing should still be taught between humans and non-human species. By introducing and instilling these values into future practices, we can hopefully begin the change between a human centered to a place where all species are on an equal playing field.
 - ii. By doing so, we can live harmoniously with plants and other microbes. This will introduce a world where we can regain the human earth connections that we have lost through industrialization and advancement.
 - iii. Microbial diversity is healthier.
 - iv. Prevent issues like global warming and reducing toxins from the earth.

3. Our Idea: (Show images as the idea is being presented so it's less confusing and people will have a better idea of what we are speculating) – (Should the research be incorporated into the idea explanation? → If we add the research in, then we can add another slide per section so it's better split apart and less cluttered.)

- a. Intro into our world building/ concept building / speculative designing: – 1 Slide
 - i. The world will transition from what it is now, to a more natural state – meaning less man made materials and production, everything will be natural and in turn biodegradable
 - ii. Giving the earth agency, giving the microbes agency → thinking about how plants are able to adapt and improve the planet's health.

- b. **IDEA:** Creating a self-containing robot, adaptive on the surrounding nature and environment, that is able to work with (plant) microbiomes to facilitate the process of regrowth, evolution, and adjustment in a larger space, building a world connected to nature. - Advertisement Video
 - i. This “robot” will be created using new forms of “electrical wiring” that is plant based. A new form of transporting information will be included along with the xylem and phloem in a plant’s root. These robots will be a very basic skeleton, and they will be placed in different environments to adapt and grow depending on the microbes and environment of their particular area. As a result, every “robot” will take on a different shape and contain different microbes. They will continue to grow, develop, and change with the surrounding environment. - 2 Slides
 - 1. The research behind this:
 - a. Creating environmentally friendly robots
 - b. Sensors → sensing environments
 - c. Machine learning through microbes
 - ii. As these “robots” begin to take shape, they will become a device for the microbes to help facilitate the process of native/natural plant regrowth over a larger surface area. The microbes will absorb the surrounding environment’s state. Then, they will communicate and discuss what needs to be done in order to improve the environment. They will then decide on plants that need to be grown and placed into the earth. These plants will begin growing on the “robot”. Then the robot will plant them into different places in a large area. - 2 Slides
 - 1. The research behind this:
 - a. The adaptability of plants/microbes
 - b. Microbes have complex communication systems.
 - c. The need to expand outside of lab experimentation into real environments.
 - iii. Over a long period of time, these plants will begin to replace the human infrastructure as the man made infrastructure deteriorates. Then, further in the future, these “robots” will be a bridge to allow proper communication between humans and microbes. They would be able to create things such as city plans that will benefit and satisfy all species, breaking the hierarchy where humans are placed on top. This will also help reform the way we treat and respect other species, creating more respect and a better overall environment for everything to live in. - 2 Slides
 - 1. The research behind this:
 - a. The adaptability of plants/microbes – focus on **improvements to the planet**
 - b. The need for understanding and respect towards other beings
 - 4. Our Prototyping process: ~ 3 Slides (One per section)

- a. The worldbuilding sketching :
 - i. Functions of the robot
 - ii. Time and process of succession
 - iii. Focus on metropolitan cities
- 5. Physical Object Prototypes: – 2 Slides
 - a. City planning map
 - b. Robot sample prototypes
 - c. Miniature building prototype
 - d. Book/brochure/zine thing
- 6. The Final Animation(s): The story building/worldbuilding – shows the entire vision of the project. (Good place to end?) – 1 Slide