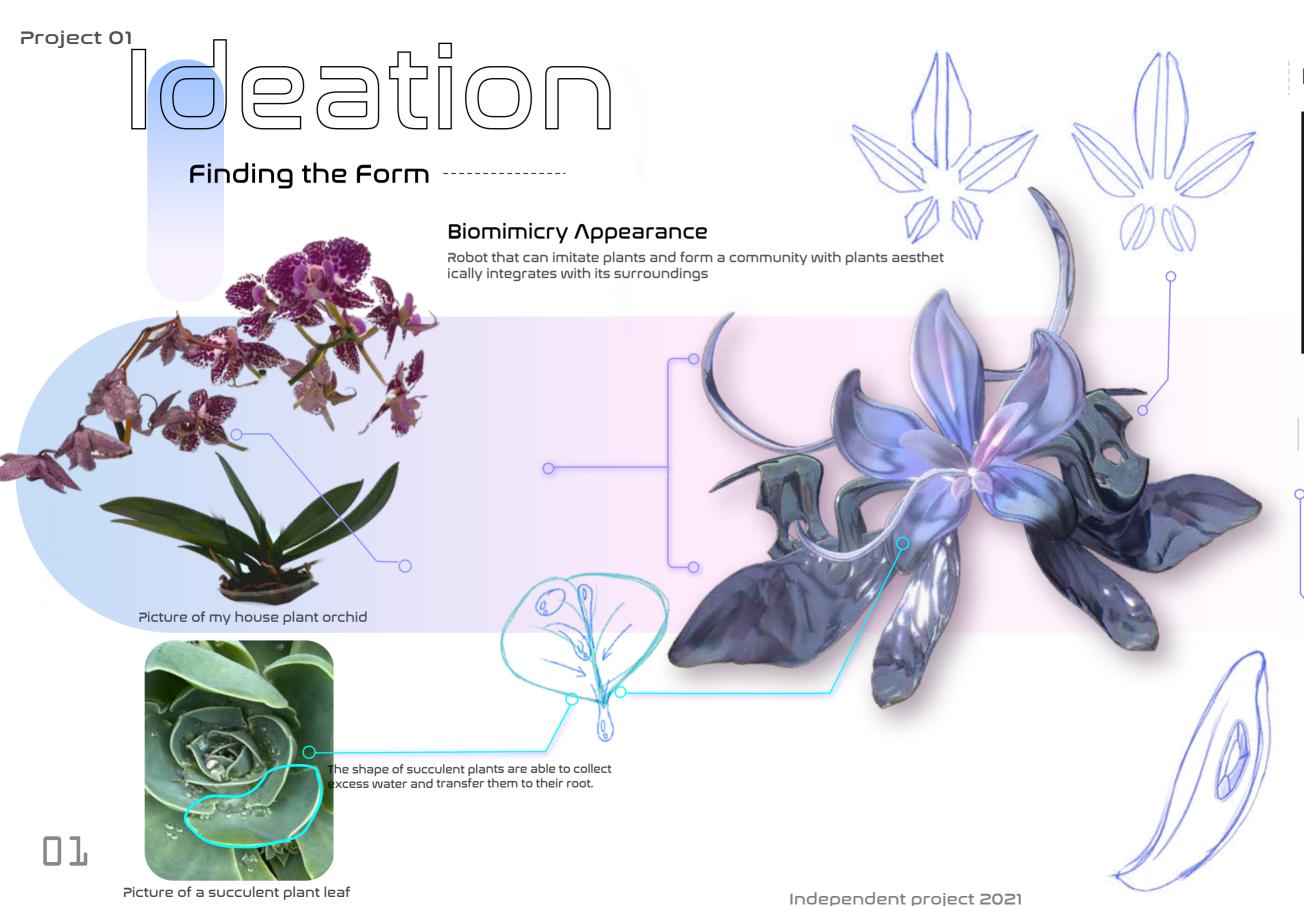


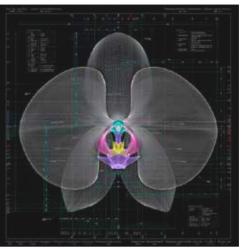
Independent project 2021

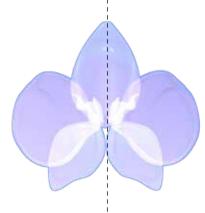
and nature.



Inspiration

Artist-Macoto Murayama / 村山 誠 Digitally deconstructed flower





Phalaenopsis Sogo Yukidian, 2017

Technology

PlantWave is a technology communicate between plants and humans through the translation of plant biofeedback into musical sounds.eletrical variations in plant.





BioUrban robotic tree ○

created by BioMitech and dubbed BioUrban, the project is an artificial tree that, like its natural peers, absorbs pollution and returns clean air to the city.

Sustainable Urban Living

Incorporating house plants aligns with the principles of biophilic design, which seeks to integrate nature into human-made environments.

Indoor plant improv psychological (mental) well-being

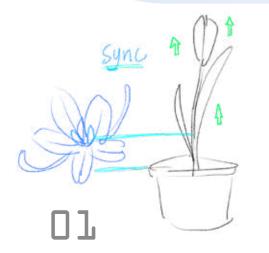
Concept

Biomimicry Detector Device

FUTURE concept of FloraSync envisions a seamless integration of technology and nature, transforming our urban landscapes into vibrant, sustainable ecosystems.

Network of FloraSync devices interconnected system. Users could communicate by sharing data about environmental conditions and optimizing responses of different house plants collectively

Allowing for more comprehensive monitoring of plants. Beyond moisture detection, sensors now measure light exposure, temperature, nutrient levels, and other factors, providing a holistic view of plant health.







Project 01

equipment used

1.2.3. 3D printed flower body 4. Arduino Leonardo

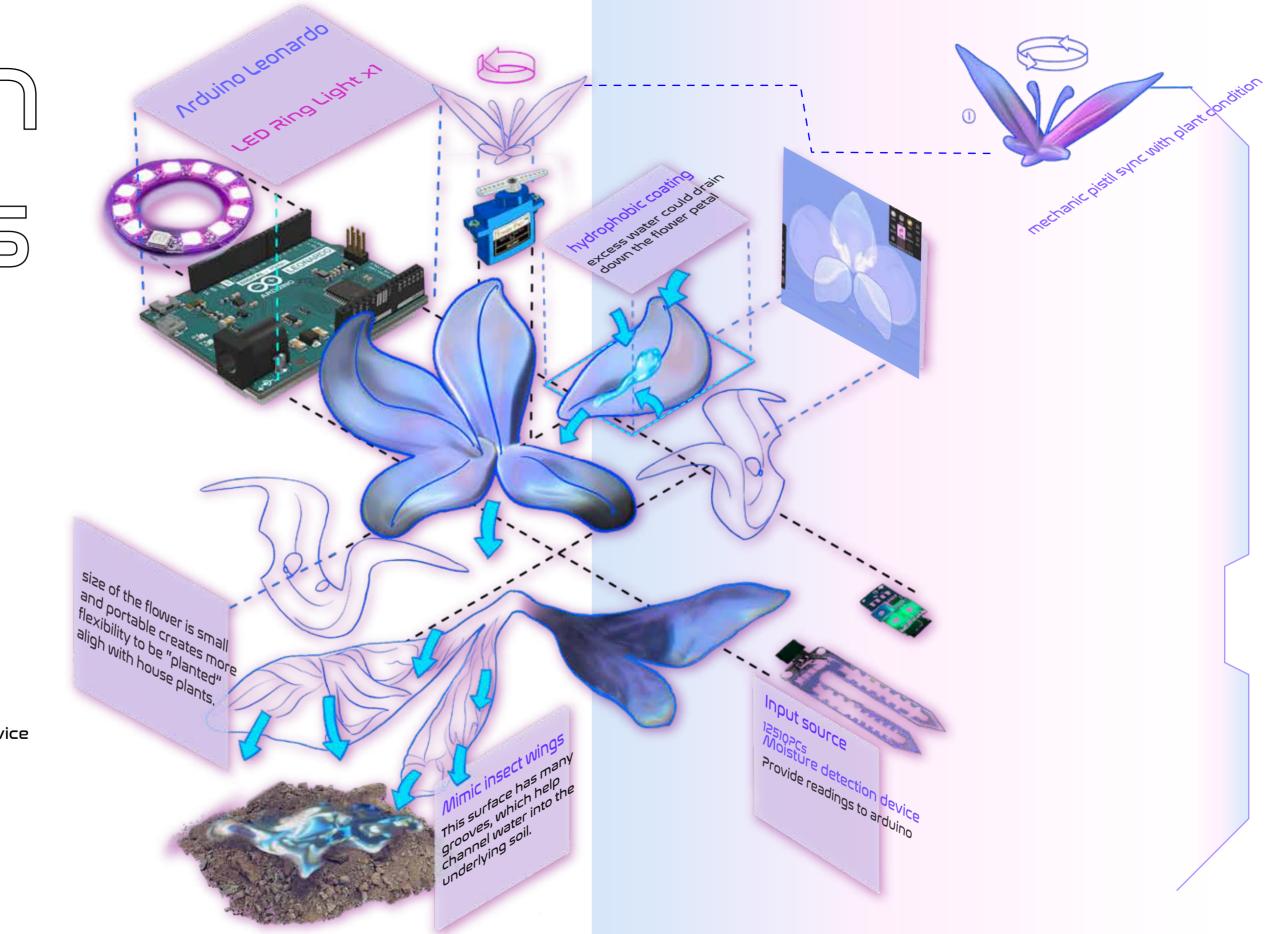
5. Air Moisture detector

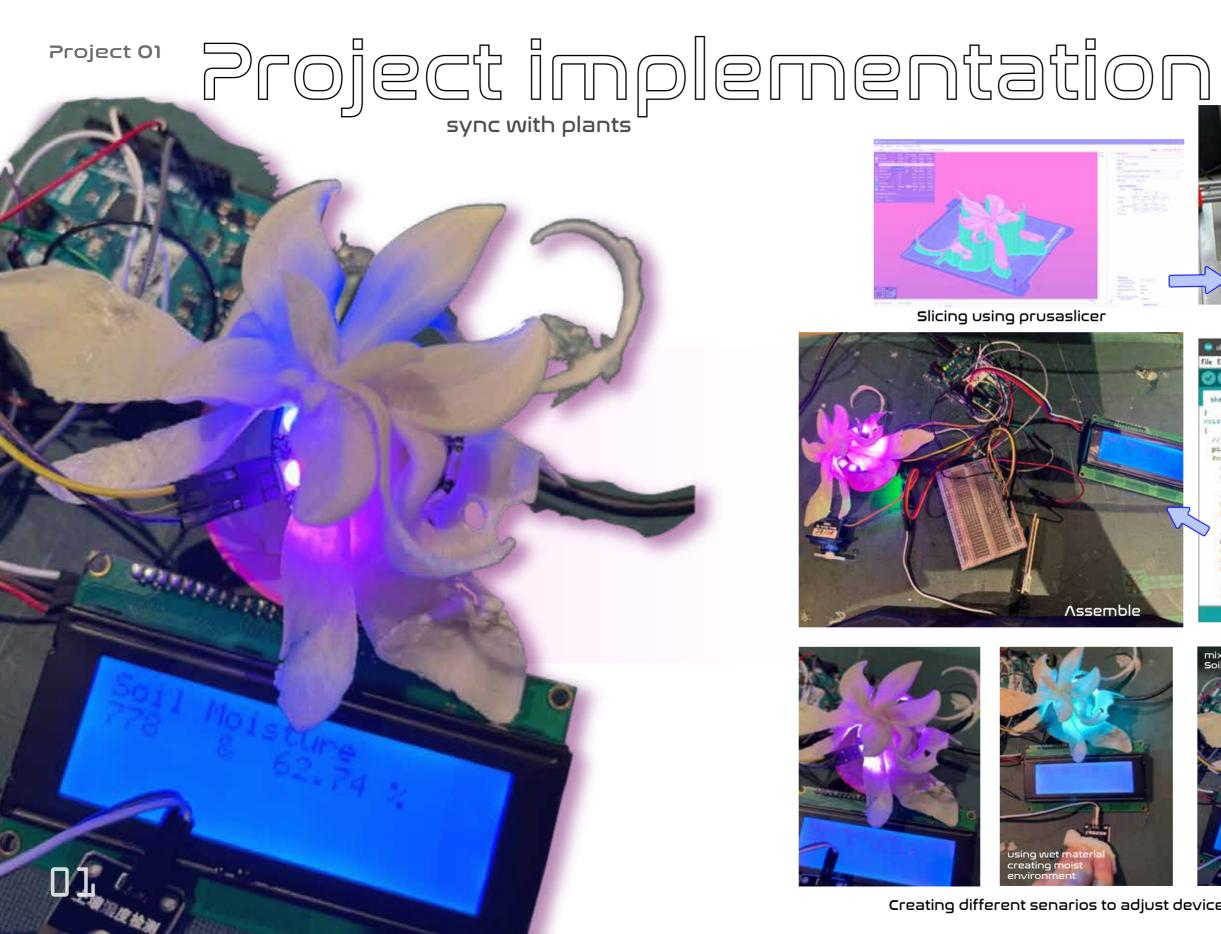
6. LED Light Ring

7. Transparent Resin

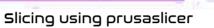
8. 9. 12510PCs Moisture detection device

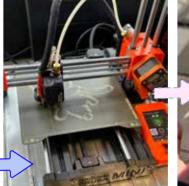
10. SG 90 micro Servo





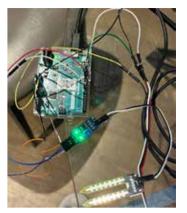






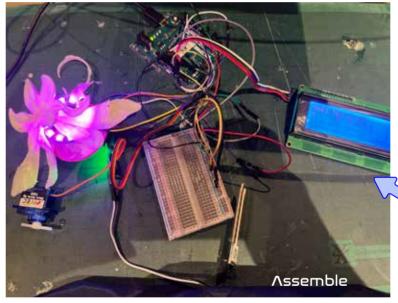
3D Printing

Original model



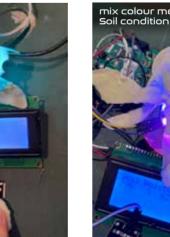
Testing eletronics 12510Pcs soil moisture detetor

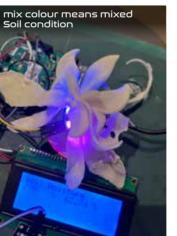
Uploading code on github repo



Testing code









... Ambient flower Florasync ---



Creating different senarios to adjust device settings