



TECHNOLOGY IN AGRICULTURE

TECHNOLOGY STUDENT ASSN.

Empathize AUG.

- ATL Botanical Garden
- Old Rucker Farm
 - Soil testing difficulties (only sending samples to UGA twice per year)
 - Water waste due to sprinklers

Prototype OCT.

- Building wood raised bed
 - Cracks on the sides
 - Unproportionate dimensions
- Building circuit system
 - Sensor shipment delay
 - Setting up Irrigation System
 - Distance from the hose
 - Placement of drip pipes for wanted coverage



SEP. Ideation & Design

- Design raised bed
- Decide dimensions, materials, and layout
- Establish sensor integration (NPK, pH, moisture)
- Outline irrigation system

DEC. Launch

- 2 mature kale plants
- 10 seeds in 3 rows of 3: kale, broccoli, onion, lettuce, basil
- 3-5 saplings planted
- Irrigation system implemented in rotations

