

## PROBLEMS IT ADDRESS

### MANUAL SORTING



It can be *time consuming, subjective, and inconsistent.* (Bhargava & Bansal, 2021)

### FOOD LOSS



*Consumers satisfaction* greatly anchors on the quality of fresh produce. (Al-Dairi et al., 2022) *When quality standards are not met, this may result to food wastage or food loss* (Nicastro & Carillo, 2021).

### ROBOTIC GRIPPER APPLICATIONS



Previous studies are focused more on sorting fruits and vegetables based on different parameters like color, size, and shape only. *Other recent studies do not include robotic arms in sorting fresh produce*, they are limited to different machine vision and image acquisition techniques only.

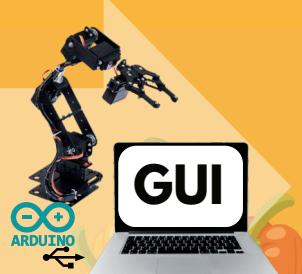
### HOW IT WORKS



IMAGE ACQUISITION



DATA PROCESSING



OUTPUT

### RESEARCHERS

Coñejos, Gabriel Angelo C. - gabangelo27conejos@gmail.com  
Jerusalem, Emmanuel P. - noeljerusalem@gmail.com  
Lazo, Christian Joel C. - lazochristianjoel88@gmail.com  
Malabanan, John Ace B - malabanjohnace7@gmail.com

