

# Possible Further Improvements

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## 0.1 Could not trigger both insta360 cameras at same time.

- Believe, It is an error with the software library the company provides. So will have to email the company.
- Second camera cannot be open unless the first is closed in the C++ code ( or in ros code).

*So we will have to run the robot twice to take pictures with all cameras.* 1. In first run, we can do 45 degree angle in FUJIFILM and lower insta360 camera. ( disconnect upper 360 camera ) 2. In second run, we can do 90 degree angle in FUJIFILM and upper insta360 camera. ( disconnect lower 360 camera )

## 0.2 Improvements on physical design of robot parts:

1. 90 degree angle camera should be placed in front of the robot, as the current position captures robot parts and focuses on it.
2. Move the camera 15-20 cm upwards from its current position for 90 degree angle, for it to capture the whole width of plants.

## 0.3 Current effort.

- Takes 4 hours for 1 run around the 96 plots for one person. To get one complete set of pictures from all 4 angles ( 2 FUJIFILM and 2 insta cameras ) , it will take 8 hours for one person.
- Depending on how many time in a season ( per year), we need to do this, Investment in other cameras, or better navigation, or further programming/testing.

## 0.4 The other field ( MASBASIS ) do not have enough gap between plots for the robots to run safely.

