**Sprint 4 Plan**

**Greens Only**

**Sprint Completion Date:** June 5, 2018

**Revision Number:** 1

**Date:** May 22, 2018 - June 5, 2018

**Goal:** Thoroughly test our contaminant detection pipeline and make adjustments as necessary.

**Task Listing**

1. As a developer, I would like to combine the functionality of the two contaminant detection algorithms for more accurate results.

1. Combine the two contaminant detection script. (5 hours)
2. Streamline the main script. (3 hours)

2. As a developer, I would like to thoroughly test the system with multiple parameters to determine the limitations of the software.

1. Create virtual test videos with a variety of backgrounds, foregrounds, and contaminants. (5 hours)
2. Source background and foreground images. (1 hour)
3. Create live test videos of spinach moving with and without contaminants. (8 hours)
4. Test system using multiple input videos and images, to see how it performs in different settings. (8 hours)
5. Modify and improve the system based on test results. (13 hours)

**Team Roles**

Kevin Ajili: Developer, Product Owner

Arindam Sarma: Developer

Cesar Neri: Developer

David Munoz: Developer, Scrum Master

Eric Su: Developer

An Tran: Developer

**Initial Task Assignment**

**Kevin Ajili:**

As a developer, I would like to combine the functionality of the two contaminant detection algorithms for more accurate results.

1. Combine the two contaminant detection script. (5 hours)

As a developer, I would like to thoroughly test the system with multiple parameters to determine the limitations of the software.

1. Modify and improve the system based on test results. (13 hours)

**Arindam Sarma:**

As a developer, I would like to combine the functionality of the two contaminant detection algorithms for more accurate results.

1. Combine the two contaminant detection script. (5 hours)

As a developer, I would like to thoroughly test the system with multiple parameters to determine the limitations of the software.

1. Modify and improve the system based on test results. (13 hours)

**Cesar Neri:**

As a developer, I would like to combine the functionality of the two contaminant detection algorithms for more accurate results.

1. Streamline the main script. (3 hours)

As a developer, I would like to thoroughly test the system with multiple parameters to determine the limitations of the software.

1. Test system using multiple input videos and images, to see how it performs in different settings. (8 hours)

**David Munoz:**

As a developer, I would like to thoroughly test the system with multiple parameters to determine the limitations of the software.

1. Create virtual test videos with a variety of backgrounds, foregrounds, and contaminants. (5 hours)
2. Source background and foreground images. (1 hour)
3. Modify and improve the system based on test results. (13 hours)

**Eric Su:**

As a developer, I would like to thoroughly test the system with multiple parameters to determine the limitations of the software.

1. Create virtual test videos with a variety of backgrounds, foregrounds, and contaminants. (5 hours)
2. Source background and foreground images. (1 hour)
3. Create live videos of spinach moving with and without contaminants. (8 hours)

**An Tran:**

2. As a developer, I would like to thoroughly test the system with multiple parameters to determine the limitations of the software.

1. Create virtual test videos with a variety of backgrounds, foregrounds, and contaminants. (5 hours)
2. Source background and foreground images. (1 hour)
3. Create live test videos of spinach moving with and without contaminants. (8 hours)

**Scrum Times**

Tuesday, Thursday, Saturday: 2:00 pm (Online)

Friday: 11:00 am (Online meeting with Atollogy)