**Sprint 2 Plan**

**Greens Only**

**Sprint Completion Date:** May 6, 2018

**Revision Number:** 2

**Date:** April 23, 2018 - May 6, 2018

**Goal:** Create a preliminary object detection system that makes use of multiple object detection techniques.

**Task Listing**

As a developer, I would like to create a preprocessing script that will delete any unnecessary information.

1. Create a masking function that will remove the background of an image and leave only the conveyor belt section of the image. (13 hours)
2. Determine the color range of green and then create a function that will mask out the green from the image. (5 hours)

As a customer, I would like to have a way to identify that there is a contaminant within an image.

1. Write a script that will flag contaminants from a masked image that been created from the preprocessing script. (13 hours)
2. A shape will be drawn around the contaminant and the image of the contaminant will be saved. (8 hours)

**Team Roles**

Kevin Ajili: Developer, Product Owner

Arindam Sarma: Developer

Cesar Neri: Developer, Scrum Master

David Munoz: Developer

Eric Su: Developer

An Tran: Developer

**Initial Task Assignment**

**Kevin Ajili:**

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**Arindam Sarma:**

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**Cesar Neri:**

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**David Munoz:**

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2. A shape will be drawn around the contaminant and the image of the contaminant will be saved. (8 hours)

**Eric Su:**

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**An Tran:**

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1. Create a masking function that will remove the background of an image and leave only the conveyor belt section of the image. (13 hours)

**Scrum Times**

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

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