**Prototype #2 Meeting Agenda**

**When & Where:** April 15th, 2020 ~ 1:00pm - 2:00pm via Zoom

Zoom Meeting: <https://csusm.zoom.us/j/96093644959>

**Attendees**: Dr. Kristin Stewart, Dr. Shaunn-inn Wu, Stoic Solutions Team

**1:00pm - Formal Greetings**

**1:05pm - Begin prototype #2 meeting**

**Chris -** (Intro/current reqs)

**Jordan -** (Uploaded image files (4200 images gathered from previous) , processed through ML (modified fixIT script to support our needs (StoicSolutions\_KABProcessor.ipynb), ML Took 7 hours to process 4200 images (6.2s an image \* 4200 = 24800s / 60 = 413m / 60 = 6.88hrs))

**Jerry -** New and Final Python Script Purpose

-Parse the text file to push the appropriate data into the database (Show Image of text file)

(*Angle1\_#LitterPieces* + *Angle2\_#LitterPieces*) / 2 = *Avg #LitterPieces PER Coordinate*

NOTE: **1** = 0-2, **2** = 3-5, **3** = 6-8, **4** = 9+

**Brian -** (Project Mgmt/Financials) PHASE 3 (Prototype 1 Results)

26 hour difference with no uptime of AWS server (~700 dollar), ~60+ hours allocated by the development team processing & refining images and development of the database. Rest of the hours allocated to meetings, reports, and preparation.

**Adam -** (Project Mgmt/Financials) PHASE 4 (Prototype 2 Estimation)

Prototype 2 labelled Phase 4 on the charts will be updated with actual times and costs accrued over the recent weeks. This phase is going to have the most amount of AWS runtime hours due to the fact that all of the images were processed and the creation of the database. You will see these numbers and the updated total cost of the project in Report 4.

**Matthew -** (Documentation Details: Using GitHub to store files, images, scripts, exported database and how-tos for use by future group if needed)

**Enrique -** (Database details) (Free Tier AWS RDS t2.micro comes with 750 hrs of free use. We can export database so future groups can use data if needed. )

**Connor -** (Database Details) (How data is stored -> what columns are, what data is in them. Inclusion of images that have 0 values of litter since KAB rates them as a 1 (assuming for determining which areas are clean))

**1:50pm - Summary of notes**

**2:00pm - Meeting adjourned!**

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**Chris - Intro/current reqs**

**Jordan - Script modifications, Image uploading and process**

**Jerry -** **New and Final Python Script Purpose**

**Brian -** **Project Mgmt/Financials - PHASE 3 (Prototype 1 Results)**

**Adam - Project Mgmt/Financials - PHASE 4 (Prototype 2 Estimation)**

**Matthew - Documentation Details**

**Enrique - Database cost and whereabouts**

**Connor -** **Database Details**

**1:50pm - Summary of notes**

**2:00pm - Meeting adjourned!**