WORK TRACKER

# JULY 2019

## **17th JULY**

### WORK DONE :

* Use Fatkun Batch downloader to download license plate images in batches from Google Image Search
* Gathered around 500 images
* As it required multiple searches, and multiple batch downloads, images names could conflict which could create problems while copying from downloads folder(target folder) to destination folder
* Wrote a python code “rename.py” (inside “data” folder) for renaming images in the form “i1.jpg/png/jpeg”, “i2.\_” ..... where the digits after i started from L+1 where L = number of images already there in the destination folder
* The python code also removed any files of the format “.webp” or any other form other than jpg,png or jpeg

NEXT CHALLENGE:

* Collect more images
* Remove possible duplicate images with different names and sizes

## **18th JULY**

### SOLUTIONS TO PREVIOUS ISSUES :

* Keep using Fatkun Batch downloader to download more images
* Use code as given in <https://medium.com/@urvisoni/removing-duplicate-images-through-python-23c5fdc7479e> for removing duplicates

ISSUES:

* Code in above link requires all files to be in same format

### SOLUTIONS TO ISSUES :

* Convert all files to same format using PIL library code as in “convert.py” inside data folder

### WORK DONE :

* Made a copy of the image data folder somewhere else and try the below operations, if successful, replace original folder
* Converted all files into “.png” format

## **21st JULY**

## WORK DONE:

* Ran the duplicate removal technique
* Copied the modified images into the original folder

## NEXT CHALLENGE:

* Annotate the images using microsoft VOTT tool
* Convert the annoted file into the required format
* Run self training YOLO on these annoted files