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| S.No | Date | Work Done Today | Next Day Plan | Important things to Remember |
| 1 | 08/05/17 | 1. Installed Python 2.7  2. Installed fundamental packages - numpy, Pip, Matplotlib, PIL, and OpenCV.  3. Firstly started with how to read an image in Python using OpenCV, numpy, plt lib functions.  4. Then we have created a binary histogram for that Image in OpenCV.  5. The work which I have done has been attached here in Demo files and Source code. |  |  |
| 2 | 09/05/17 | 1. Done with Web cam reading i.e. Video capturing.  2. Extracted gray images from the Video captured.  3. Plotted histograms for those Captures. |  |  |
| 3 | 11/05/17 | 1. Understanding coding regulations. 2. Importance of sublime and learned how to install it with PEP8. 3. Watched the videos on Git and Github. 4. Learned how to use Git and Installed Github. 5. Got to know what is the Motto and purpose of using Github. |  |  |
| 4 | 12/05/17 | 1. Cloned all the data from the Airbots beta project in Github which were uploaded for the last 4 days. 2. Added folders in to the cloned folders. 3. Pushed all the work done files of mine into the respective repositories. |  |  |
| 5 | 15/05/2017 | 1. Watched the videos which were attached in the slide (Day6) i.e. Dataset Training, Training Program and face recognition and understood them thoroughly.  2. Started learning about Data- Processing and completed Image collection. | 1. Image cleaning and working out with codes which have gone through today.  2. Need to start searching about Object localization and object reorganization and make a plan to complete the task. | Cleaning images and creating description files.  Positive images , negative images  Image.net  Creating own haar cascade. |
| 6 | 16/05/17 | Started collecting codes for the object localization and tried to run one of the code which in result I got errors for today. |  | Need to find out the errors and correct them for the code which I have collected today. |
| 7 | 17/05/17 | Still the code is in process with some errors. Started checking it and finding solutions for it. In the meanwhile seen the videos of edge detection, threshold method and ‘Hue’, 'Saturation' and 'Value' for a Given Object. | Need to work on the code for object localization. | HSU, Threshold and Edge detection. |
| 8 | 18/05/17 | Successfully done with the code i.e. Object recognition for strawberry. |  | Mask, contour |
| 9 | 22/05/17 | Wrote a code for Real Time Object Recognition In Any Background using SURF and SIFT. Due to removal of those command functions from openCV, I am in search of installing those functions to run the code. Just had a glimpse on the video uploaded in slack. |  | OpenCV\_contrib |
| 11 | 23/05/17 | Modified Strawberry object detection code for better accuracy. |  |  |
| 12 | 24/05/17 | Downloaded negative and positive images for training the code.  Cleaned the images which were downloaded from image-net and I went ahead and made a new directory, calling it "uglies." |  |  |
| 13 | 25/05/17 | Collected some more datasets for training the code.  Wrote code for number changing of files in the folder. |  |  |
| 14 | 26/05/17 | Started learning how to train the data in Digital ocean to get a XML file.  Watched those videos which were sent by you to train the data. | Going to be work with Digital ocean to get the output. |  |
| 15 | 27/05/17 | Started training haarcascade with digital ocean but the process is a bit lengthy and difficult in windows.  So started trying alternate method for generating haarcascade. |  |  |
| 16 | 29/05/17 | In this training process we need to crop each and every positive image and need to download the images in bmp format. So this is also a time taking task. So I have done with downloading bmp format files and cleaned those uglies for today. Here we need to download those files in 500\*500 size in order to crop those images easily. |  |  |
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