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| S.No | Date | Work Done Today | Next Day Plan | Important things to Remember |
| 1 | 16/05/2017 | Image Reading and convert it into gray scale image  Make histogram of face | Webcam reading and video analysis |  |
| 2 | 17/05/17 | Webcam reading  Capturing frame from video  Detection of eyes and face using haar cascade | Code for face and eyes detection  Sublime text and Github |  |
| 3 | 18/05/17 | Made a code for face and eyes detection  Understand Sublime text and Github working | Coding regulation and GitHub installation |  |
| 4 | 19/05/17 | Understanding Coding regulations  Sublime text installation and commenting on code  GitHub installation and uploading previous work to Github |  |  |
| 5 | 20/05/17 | Learning some core operation of  Image processing. | Task Allocation |  |
| 6 | 22/05/17 | Understand making and working of haar cascade  Collect small datasets of positive and negative for training haar cascade | Making of code for haar cascade  Collect more data sets |  |
| 7 | 23/05/17 | Make a Haar cascade with small sample size | Collecting large data | Error is coming, I have to check this model with large dataset(is negative sample images is ok in color mode??) |
| 8 | 24/05/17 | Collect 4k negative and 1k positive image sample using objectmaker for positive images  Make info file for negative and positive images | Making haarcascade |  |
| 9 | 25/05/17 | Make vector file for positive images  Make haar cascade for head detection | Try to improve efficiency of head detection |  |
| 10 | 26/05/17 | Train cascade for twenty stages and check performance of haar cascade Add some restriction on x,y,w, and h in loop. | Try another method to improve efficiency or change parameter |  |
| 11 | 27/05/17 | Use different values of parameter for increasing accuracy | Work on threshold and bluring of image | Scale factor decide size of rectangle  On increasing  -miniNeighbour parameter quality of detection is increase |
| 12 | 29/05/17 | By threshold and smoothing reduce effect of illumination on detection | Make another code for head detection using eyes and ear cascade |  |
| 13 | 30/05/17 | Left eye, right eye, left ear and right ear haar cascade not giving good result.  Perform skin detection on image and after that detect, try this model on many images and find a range of parameters | Check performance of this model on some videos  se detection on image and after that detect, try this model on many images and find a range of paramter |  |
| 14 | 31/05/17 | Applied model on many videos prediction of number of head is good but quality of detection is not good. | Collect new data for positive and negative samples | --select good positive and negative samples |
| 15 | 01/06/17 | Collect negative samples | Cleaning of samples |  |
| 16 | 02/06/17 | Cleaning of negative samples | Collection of positive samples and making haar cascade |  |
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