Name: Amit Kumar Email ID:amittada8246@gmail.com

ID Number:10

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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 |  |
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