

COL783 Assignment 2 Report

Manu Mitraan 2015CS10236

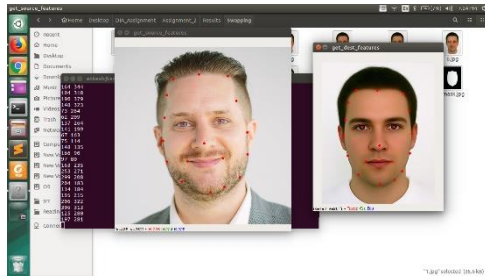
Ankesh Gupta 2015CS10435

Part : 1 Face Morphing

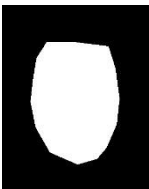


Case : 2 Face Swapping

Point selection:



Mask used



Input images

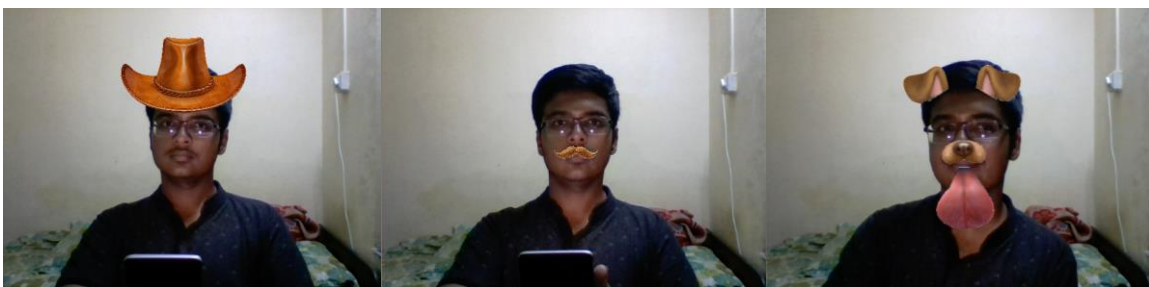


Output Image



Case : 3 Snapchat Filters

Used haarcascade face detection classifier to detect face position in the image. Then inserted the templates into the appropriate position on the face using suitable displacements.



Points:

1. Affine transform of the entire image was not giving good results even after using RANSAC. So individual triangles were affine warped.

Limitations

1. There was some false positive cases when using Haarcascade library and thus appearance of the images at random places is observed.