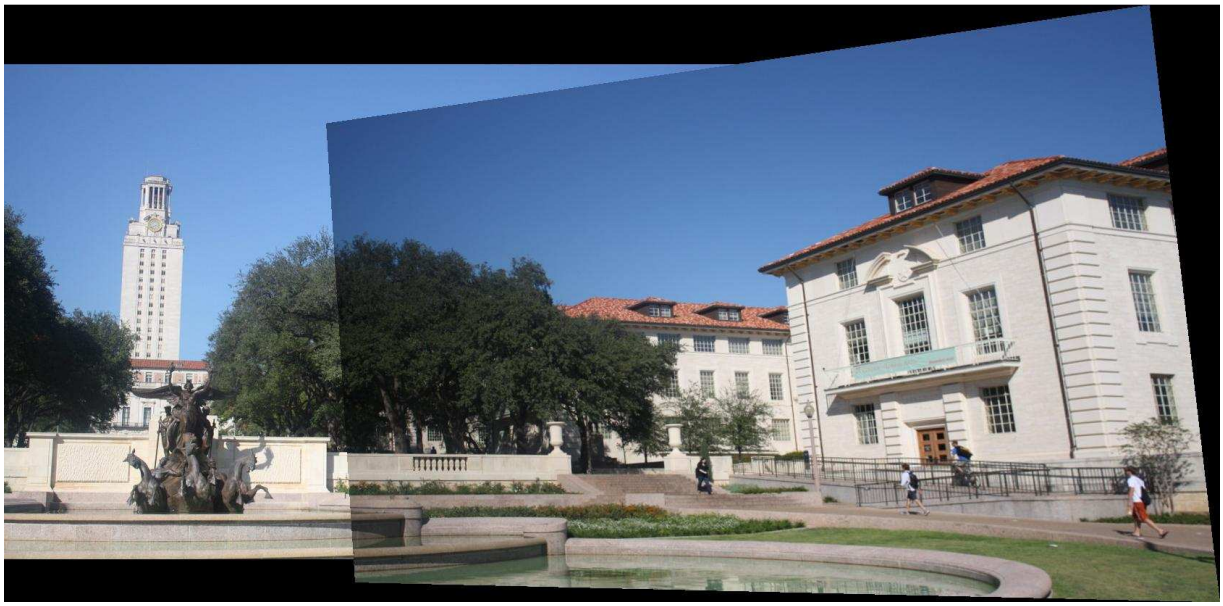
SUYOG DUTT JAIN PSET3 CS LOGIN: suyog

1.



This image was generated by using 16 correspondences selected manually. Img1 was warped into the frame of Img2 and a bounding box was generated. Then using inverse warp find the values of color for all points in the bounding box from Img1 using bilinear interpolation. Then overlay Img2 in the warped Img1.

2.

These are a series of pictures clicked by me at Andaman and Nicobar islands in India. I tried to create a wide angle view from these.

After Cropping:

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CO-OP
universitycoop.com

THE
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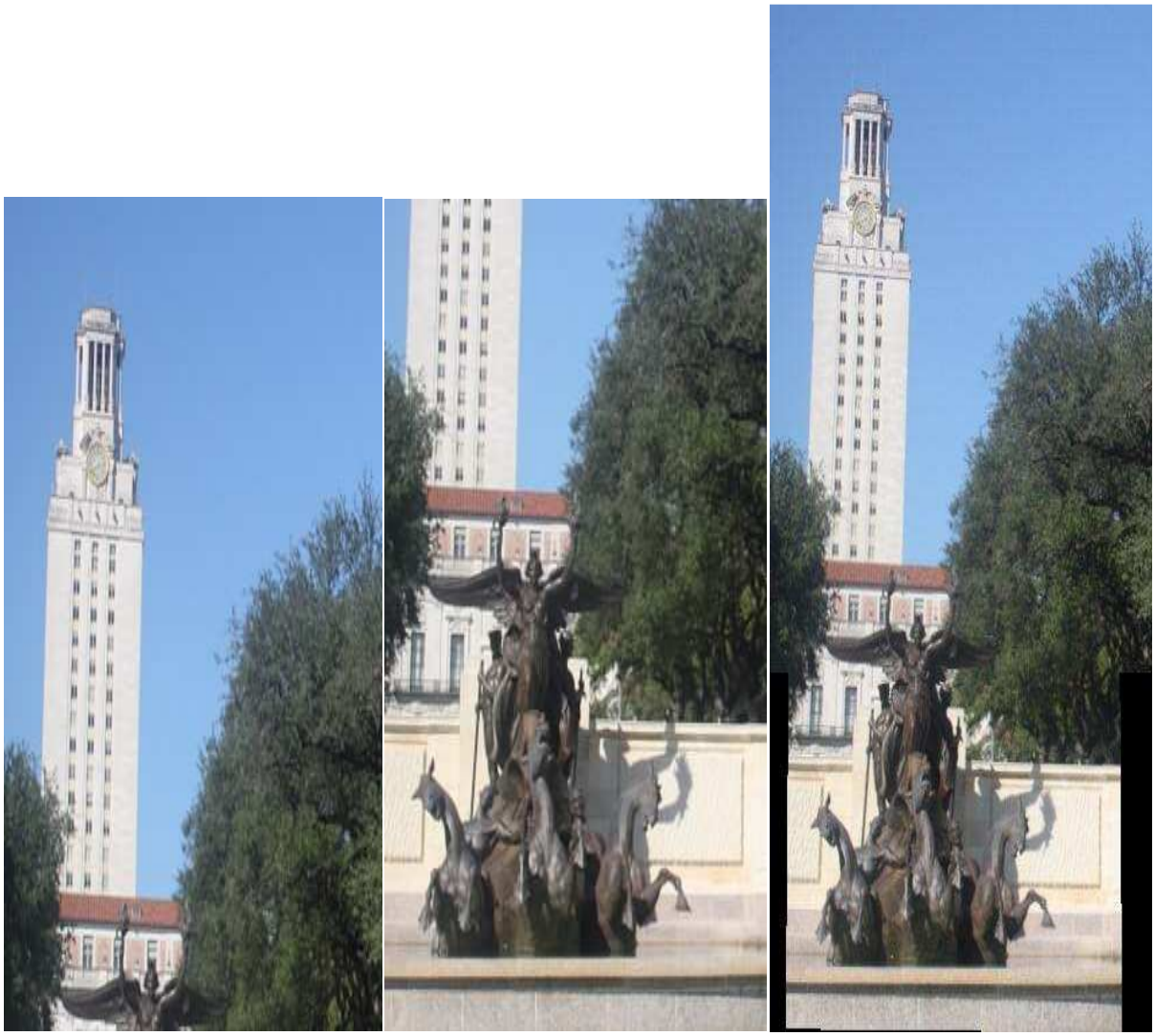
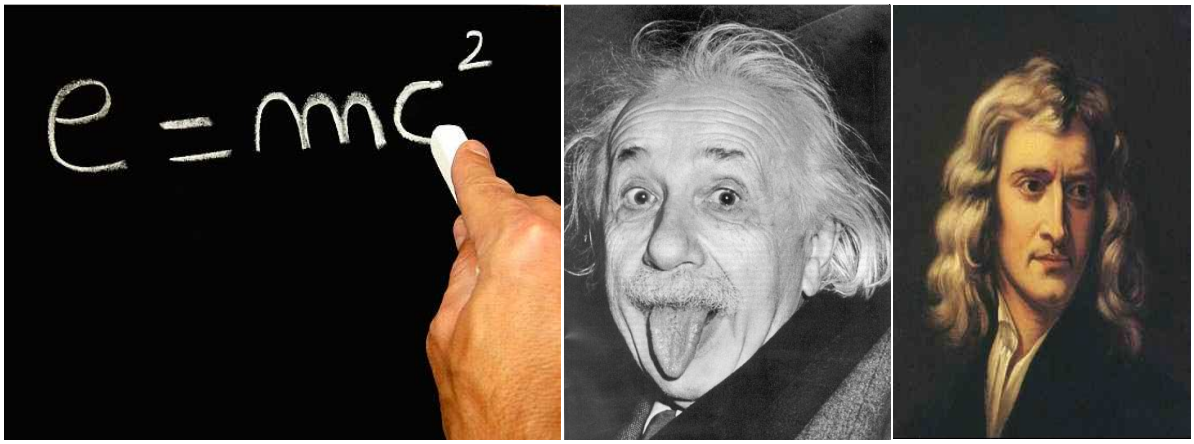
After Cropping :



This has been extracted from the original uttower images given with the assignment just for the purpose of debugging my code but they give pretty good results.

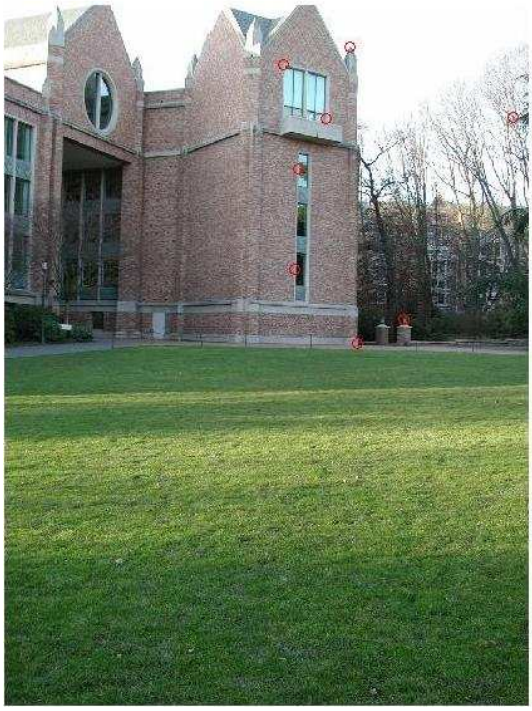
3.



Putting multiple images in frames using subsequent image mosaicing.

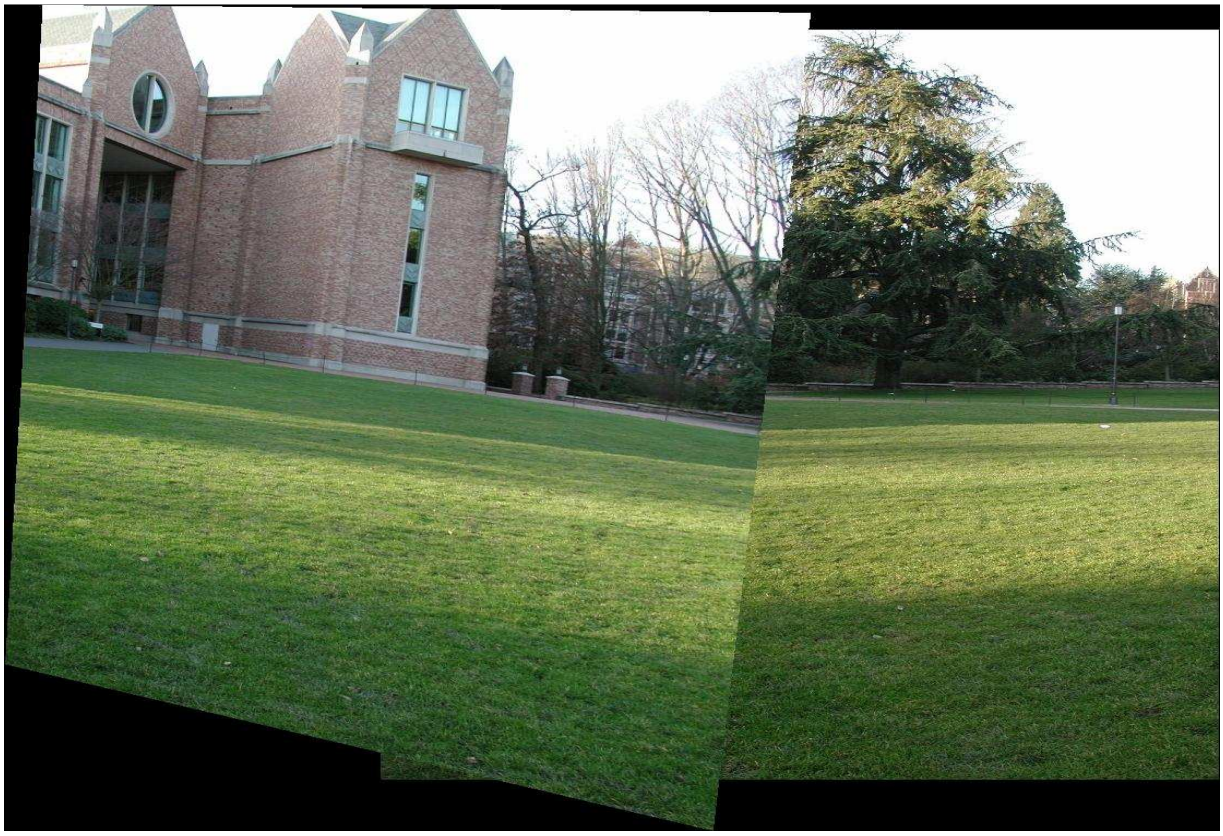
EXTRA CREDIT:

A. RANSAC:

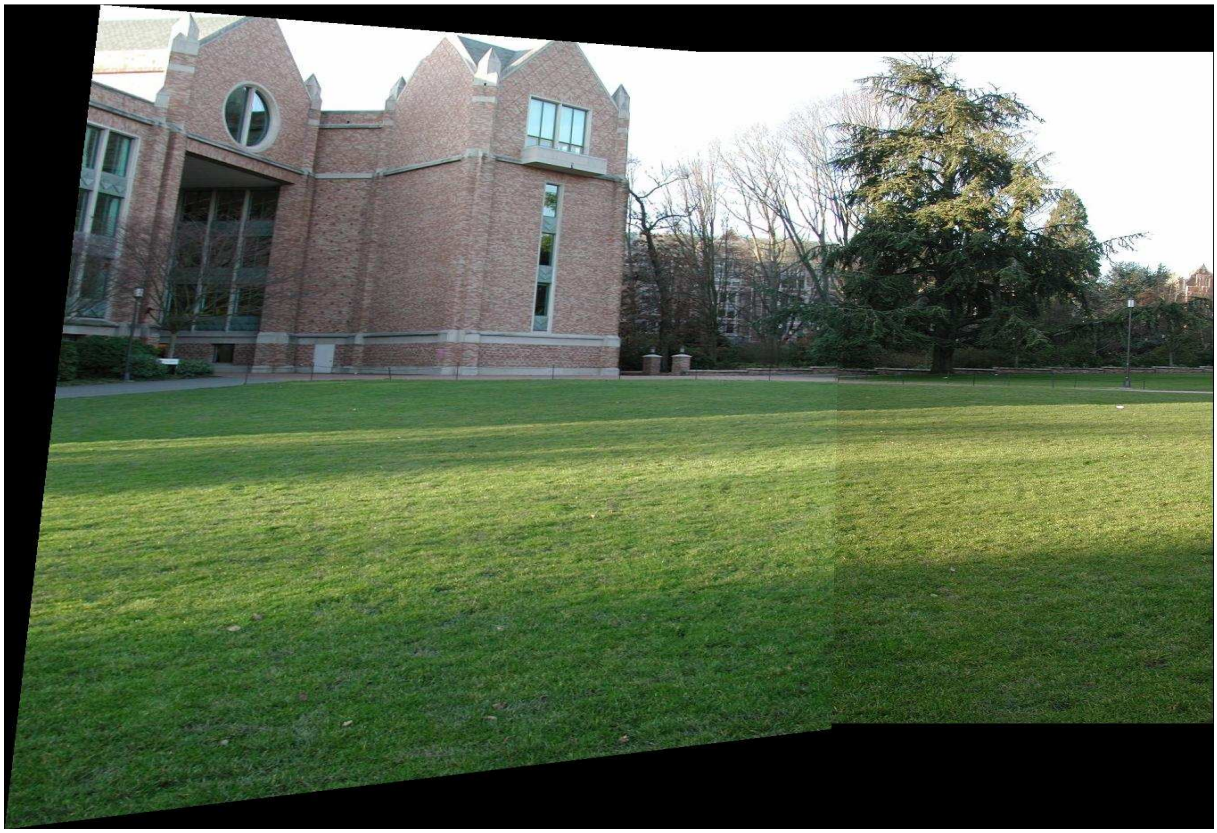


The visible outlier clicked very far from the actual correspondence

Using Normal Algorithm:

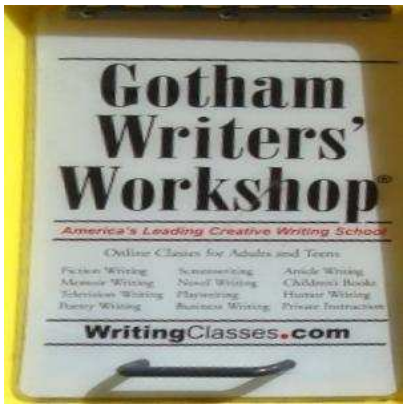


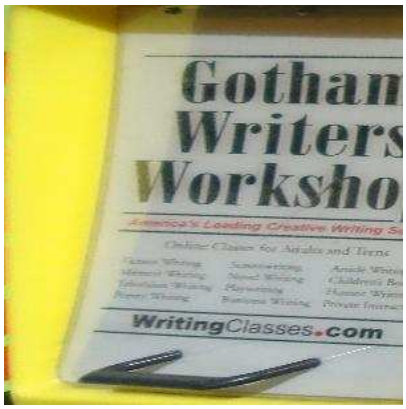
Using RANSAC:



The normal algorithm gives really bad results due to the outlier but RANSAC does a robust fitting by not using the outlier for calculating H matrix and hence gives good results.

C. IMAGE RECTIFICATION





D. HP LIKE VIDEO

TURNED IN ALONG WITH CODE FILES