

## Assignment 2

1.

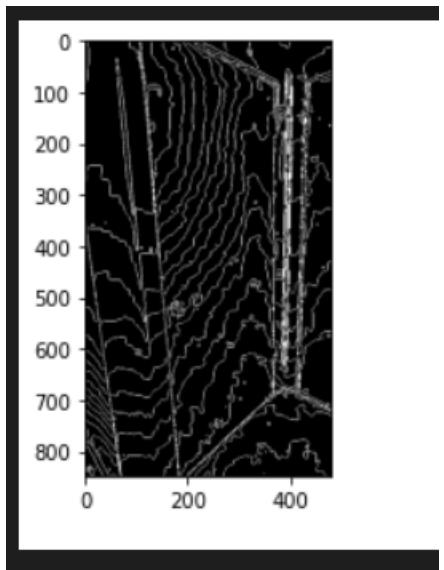
a.



Original Image



Harris corner detection



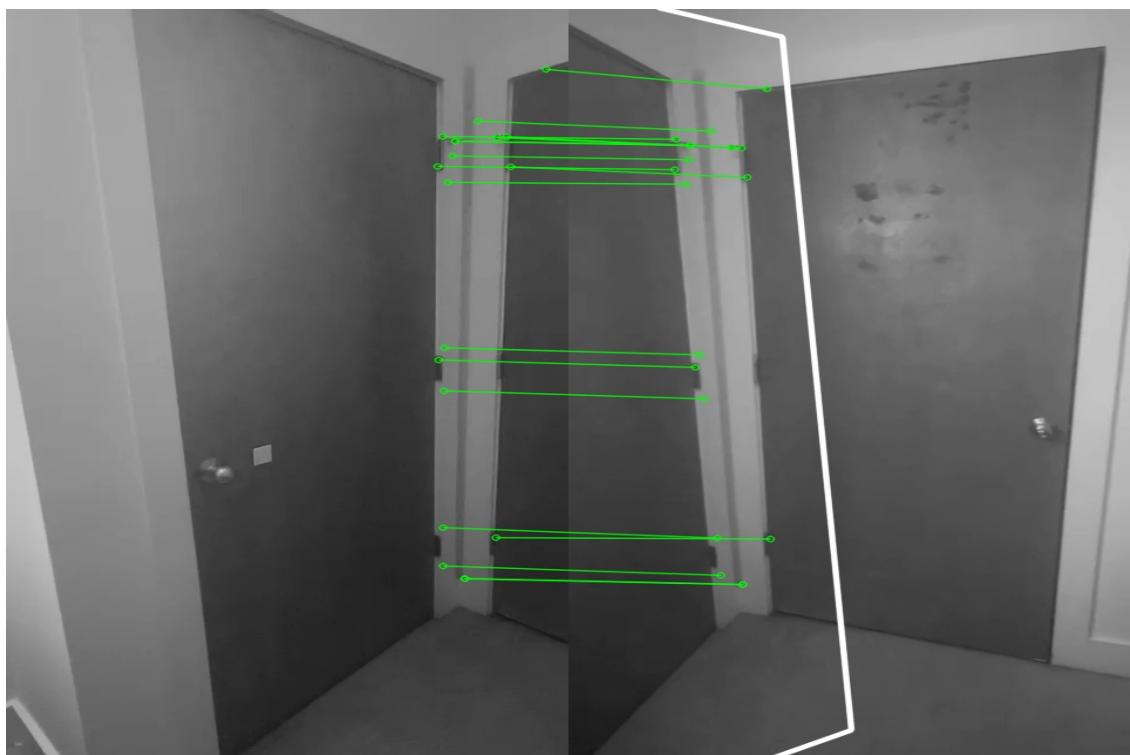
Canny Edge Detection

b.

Homography Matrix

```
[[ 1.69925686e+00  1.18345565e-01 -5.10025542e+02]
 [ 4.94741298e-01  1.55222834e+00 -1.84705632e+02]
 [ 1.38664737e-03  1.08813230e-05  1.00000000e+00]]
```

Homography Matrix



Matching points between two frames

2.



Image 1



Image 2



Image 3



MatLab Stitched Image

3.



Integral Image

4.

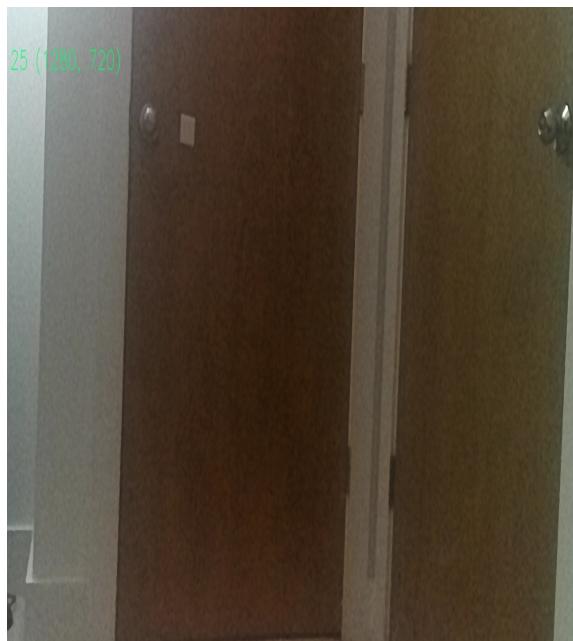


Image 1

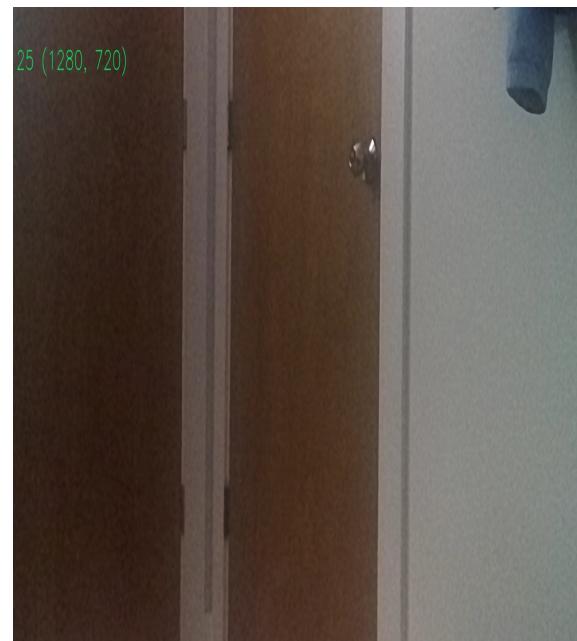


Image 2



SIFT Stitched Image

5.



ORB Stitched Image