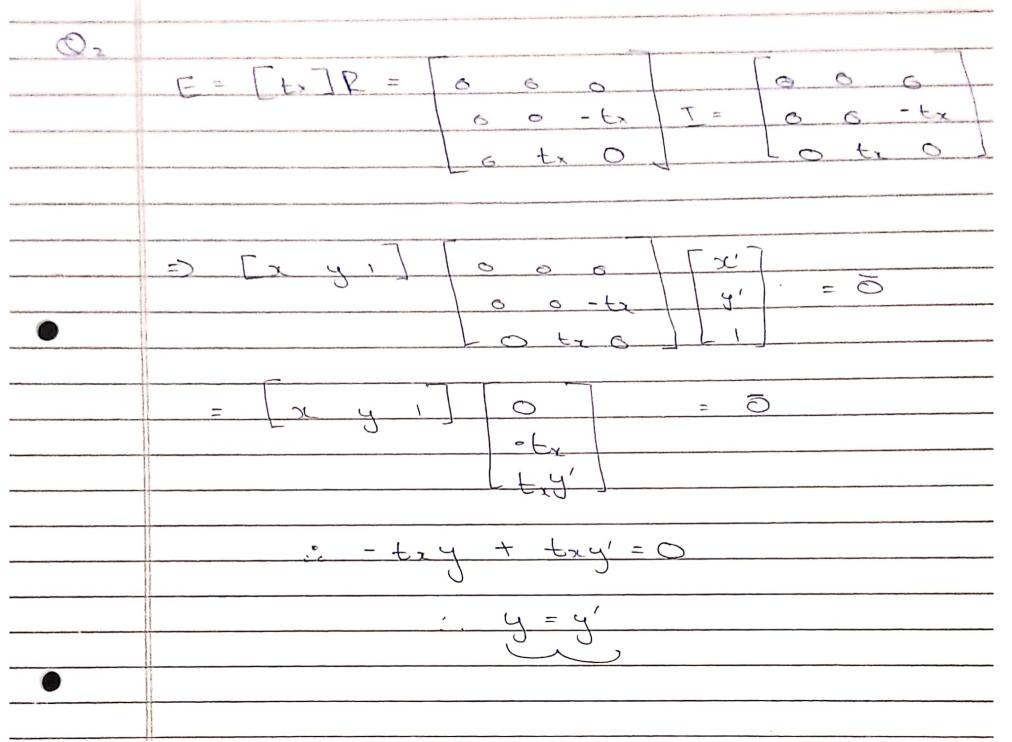
Q1.	E = [tx]R
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Vision	



Part 2

1. Extract the keypoints and descriptors from the first two images using the SIFT algorithm and draw them overlaid on the original images to visualize and verify their correctness.

Image 1 with Keypoints

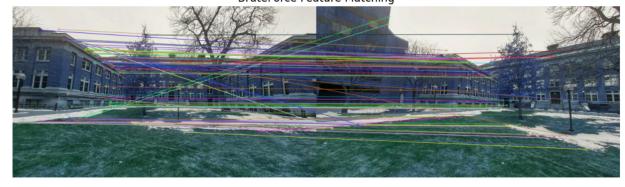


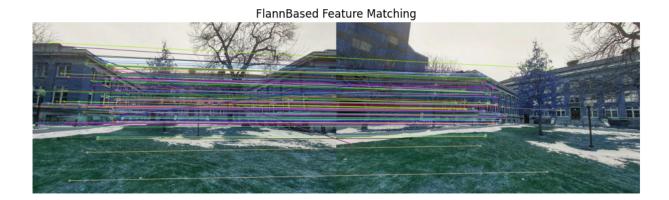
Image 2 with Keypoints



2. Match the extracted features using two different algorithms: BruteForce and FlannBased. After performing the matching, display the matched features by drawing lines between them. Good matches, i.e. with less Lowe's ratio are taken for matching purposes. The ratio is kept at 0.75.

BruteForce Feature Matching





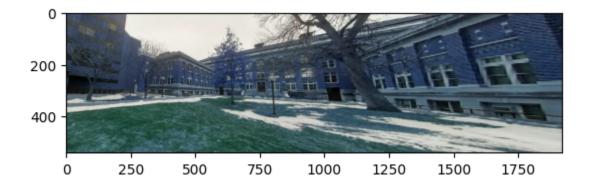
Homography matrix (to transform coordinates in right_image in left_image's frame)

[[-1.63891433e-02 -3.52143971e-02 3.65833825e+02] [-3.04538936e-01 5.51932558e-01 1.28653772e+02] [-1.01375766e-03 -1.20285389e-04 1.00000000e+00]]





Final Panaroma



Stitching

Panorama

