

COL 780: Computer Vision

Assignment 2

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Please take the last digit of your roll no. Lets say it is X. Then, let ($Y = X \% 2$)

1. Please implement (for $Y=0$) the Harris Corner Detector or (for $Y=1$) the Hessian Corner Detector. If you feel the need to smooth the image before computing these, you can use an off-the-shelf downloaded or library Gaussian smoother.
2. Then, in adjacent frames, match them using proximity and a simple sum-of-squared-difference approach.
3. Finally, use an affine model to stitch the frames together to create a panorama.