Stereo Assignment:

1. Read and display the two images, left and right
2. Determine the disparity between the two images. Using OpenCV functions StereoBM and StereoSGBM.
3. You will also require OpenCV’s compute function to get the true disparity values.
4. Compute k, R and t from the projection matrix. There is an inbuilt function to do that.
5. Using the matrices acquired above and the disparity obtained, find the depth map.
6. Projection matrices :

p\_left

[[ 640. 0. 640. 2176. ]

[ 0. 480. 480. 552. ]

[ 0. 0. 1. 1.4]]

p\_right

[[ 640. 0. 640. 2176. ]

[ 0. 480. 480. 792. ]

[ 0. 0. 1. 1.4]]