Epipolar Geometry and NCC Matching

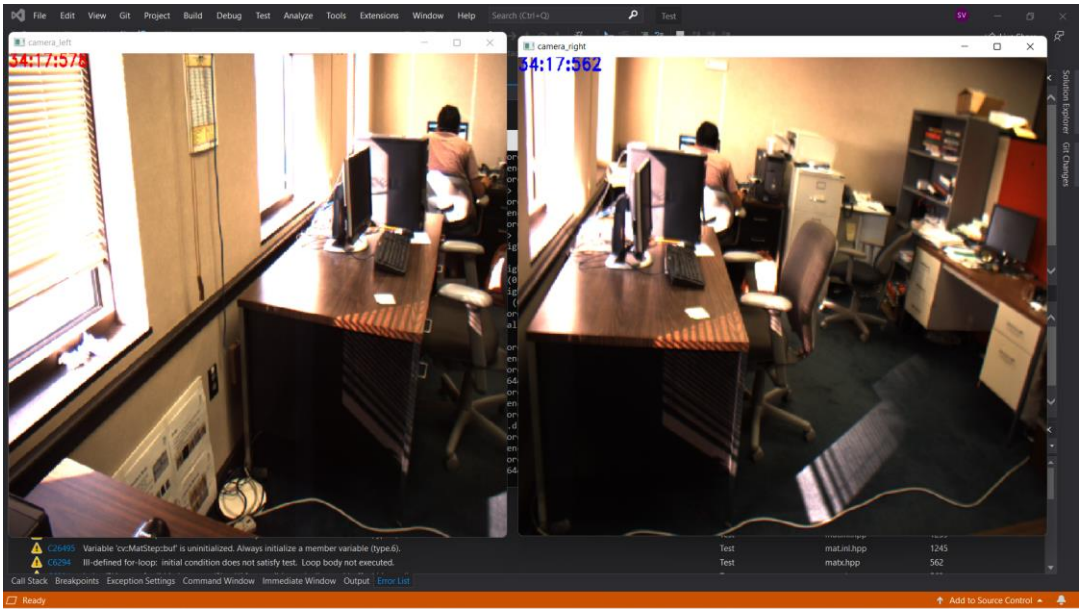
Name: Surya Venkatesh Vijjana

Student ID: 1017096070

Output:

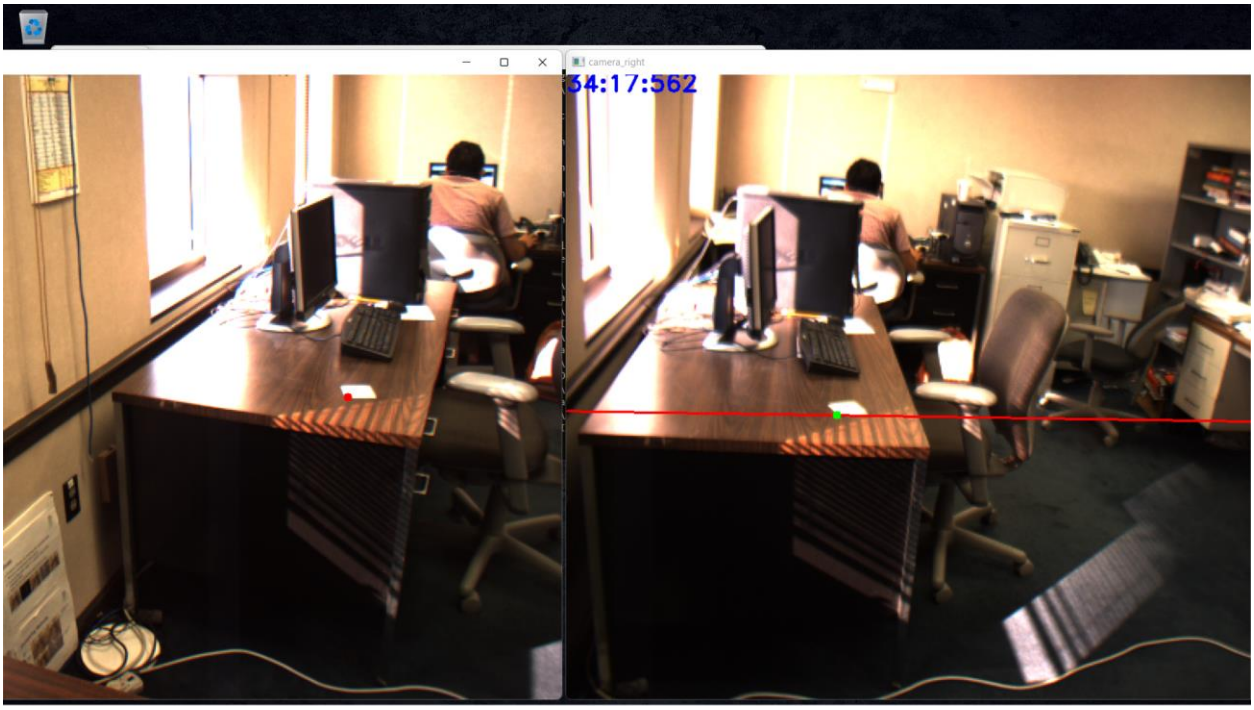
Achieved:

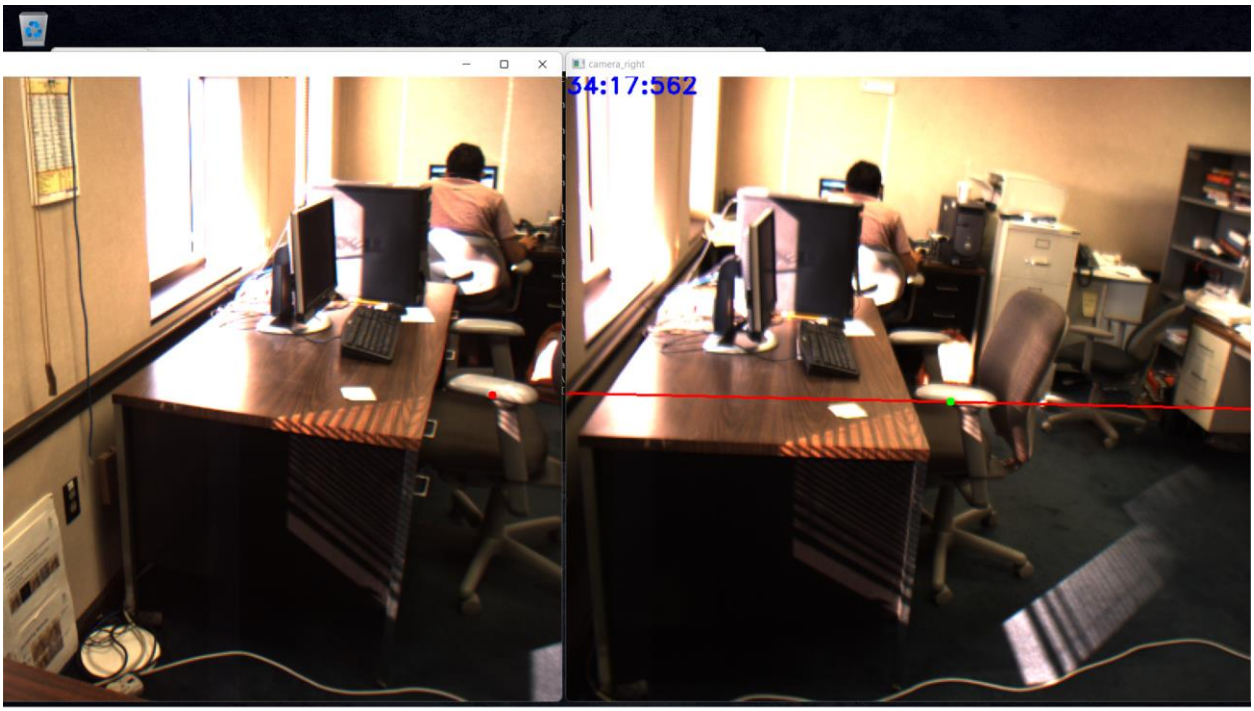
1. **Successfully Loaded the two-color images at once**

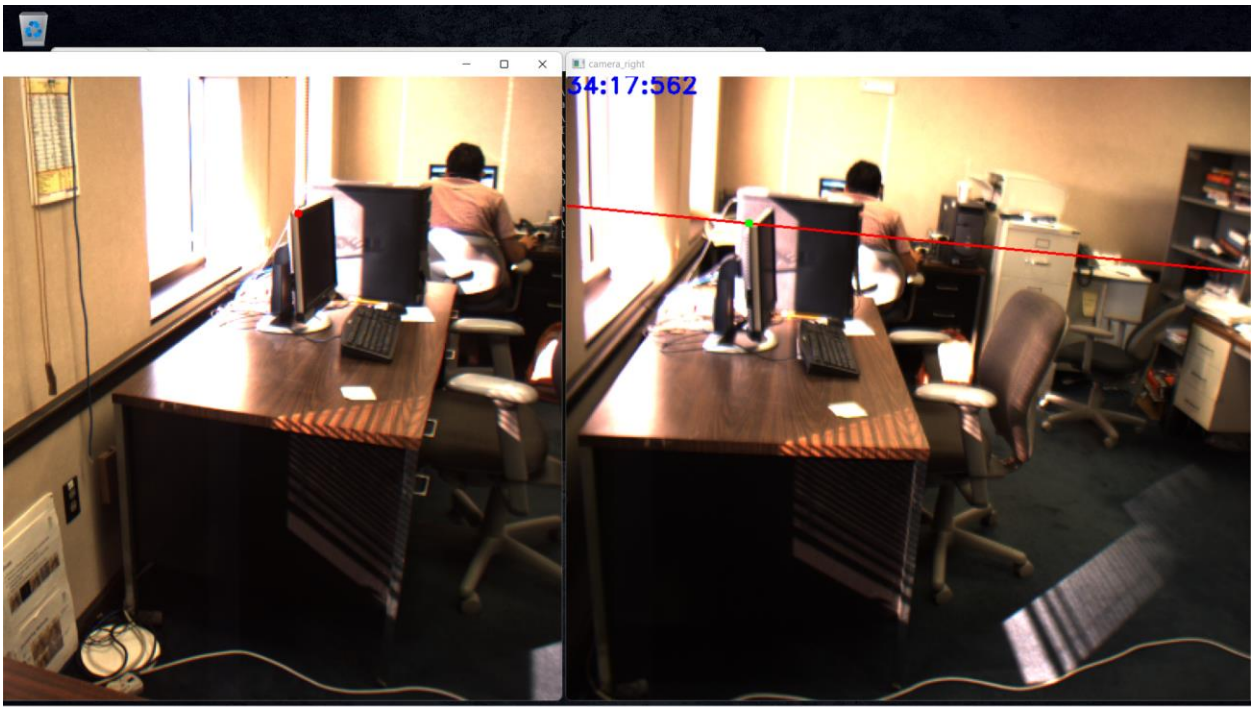


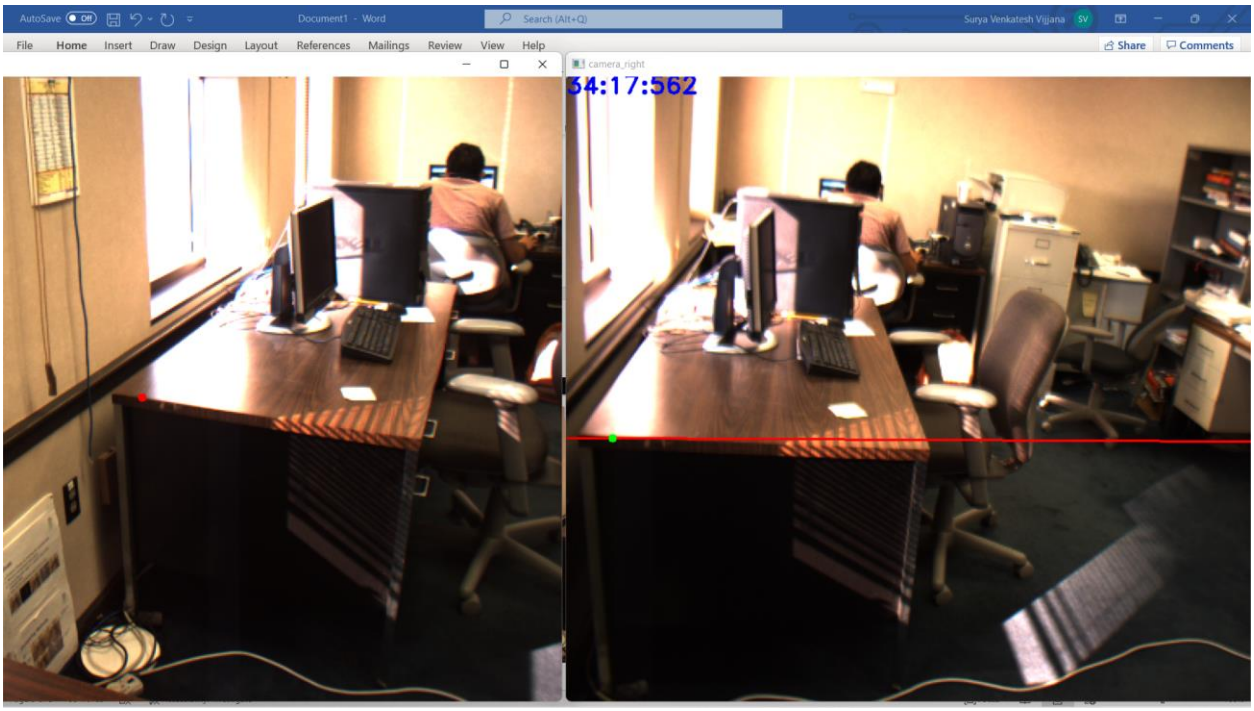
2. **Loaded Intrinsics and Extrinsics values to the OpenCV Matrix.**
3. **Calculated the Fundamental Matrix.**
4. **Generated the Epipolar line that passes through the correspondence on the right Image.**
5. **Generated the Left image patch based on the mouse click and right image patches along the epipolar line.**
6. **Successfully calculated the NCC value for each patch pair.**
7. **Successfully implemented NCC Matching to find the correspondence in right image.**

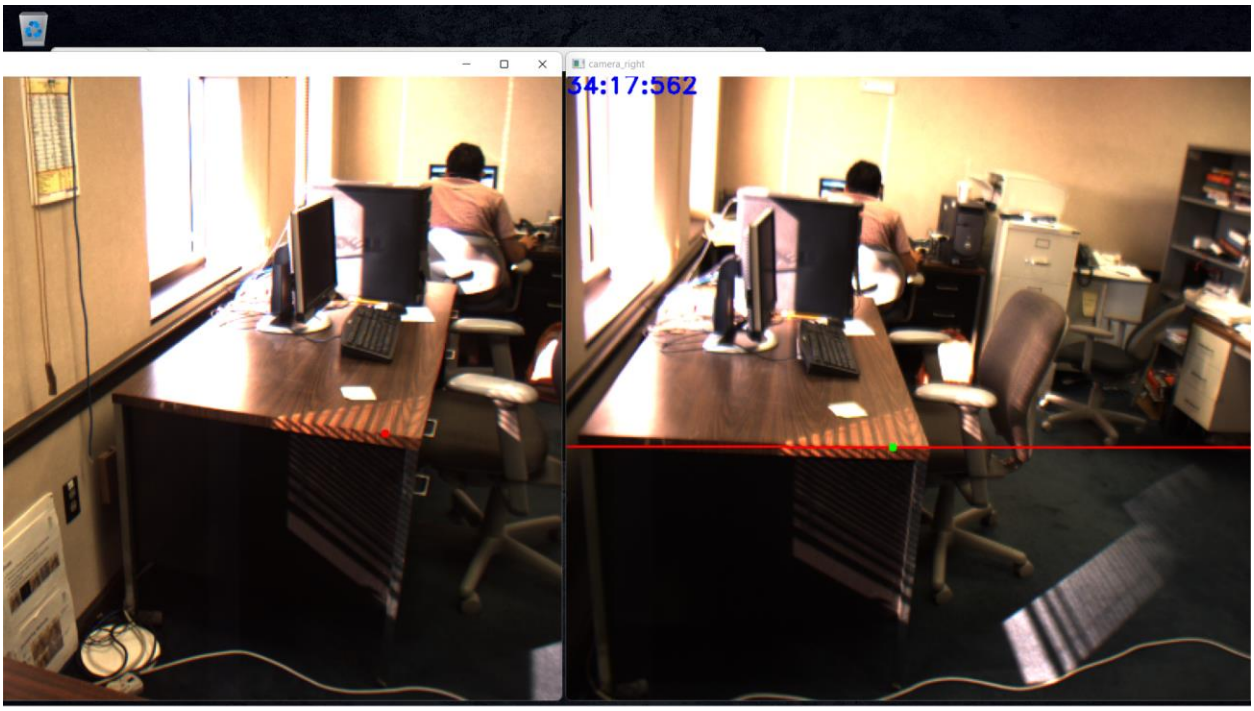
Screenshots:

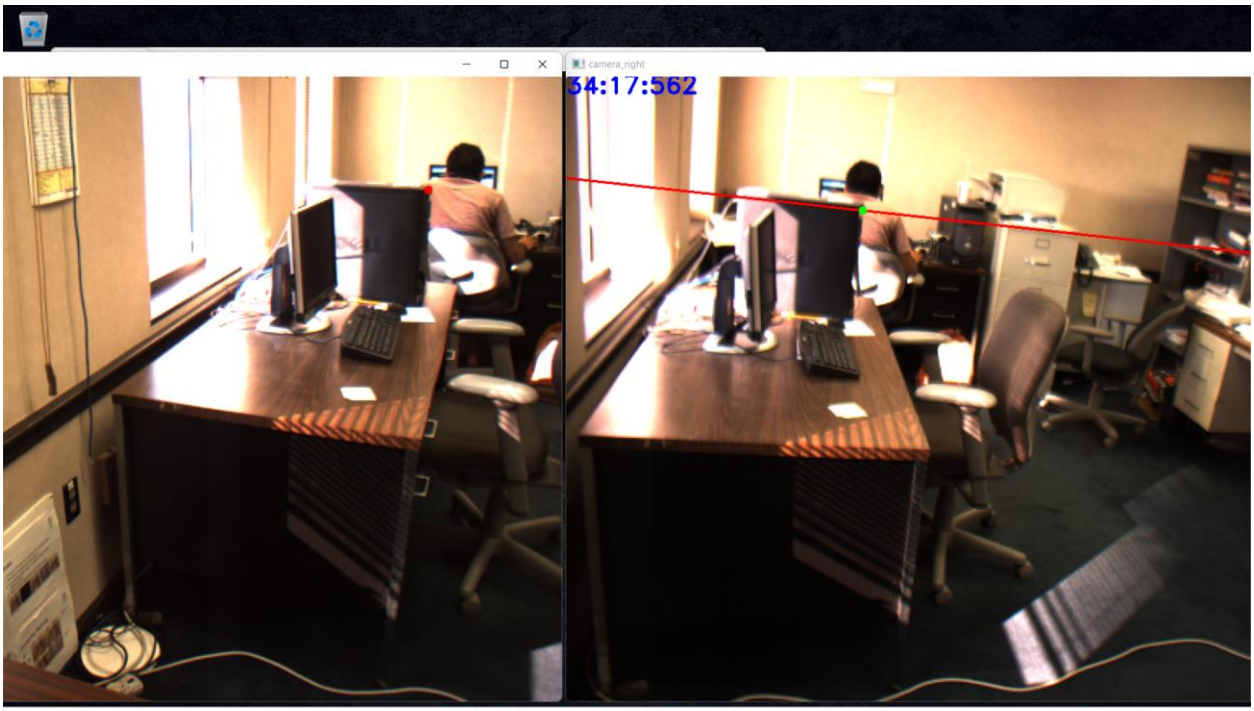


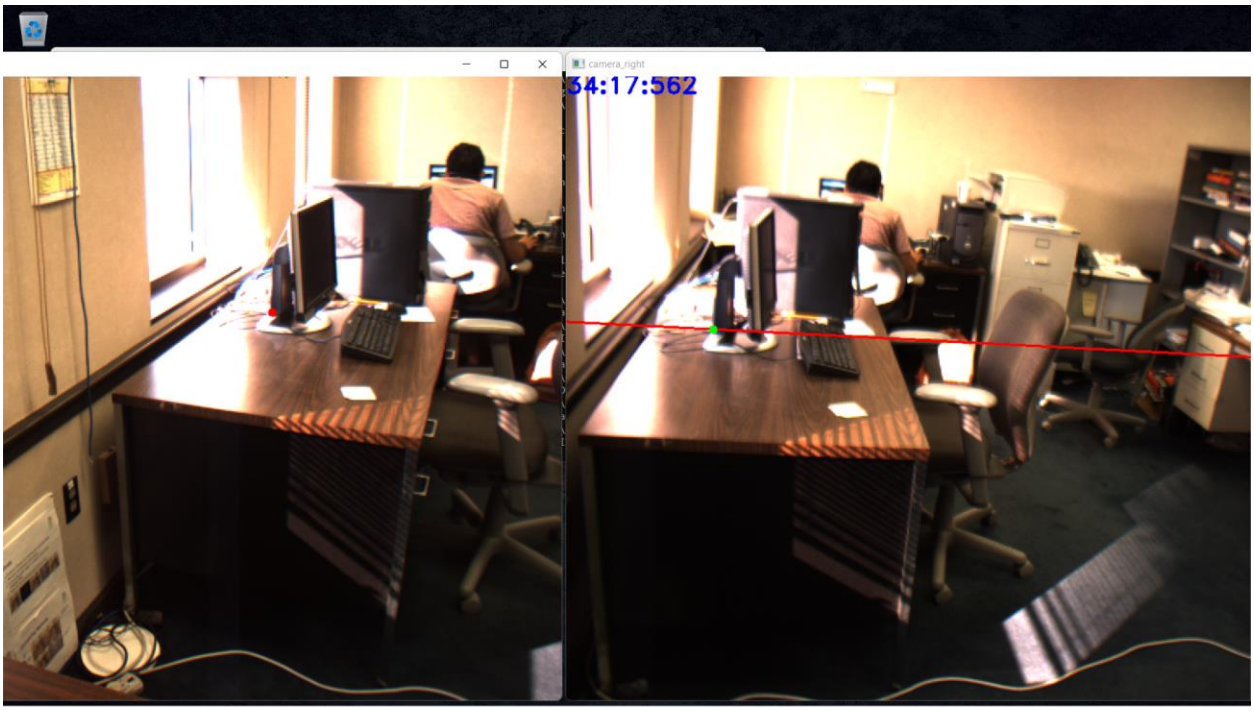


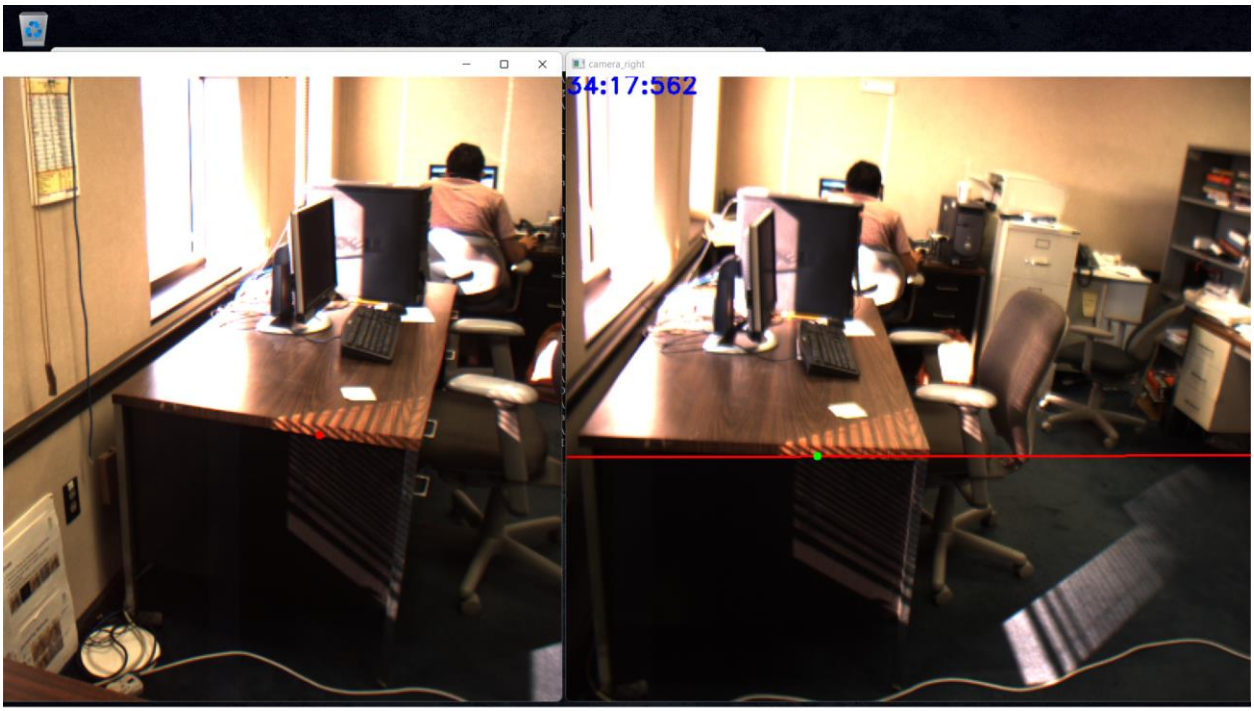

camera_right
54:17:562


AutoSave
Document1 - Word
Search (Alt+Q)
Surya Venkatesh Vijjana
File
Home
Insert
Draw
Design
Layout
References
Mailings
Review
View
Help
Share
Comments
camera_right
54:17:562


camera_right
54:17:562


camera_right
54:17:562


camera_right
54:17:562


camera_right
54:17:562