

Assignment- 3

1. What is Morphology?
2. What is Opening Compound Operations?
3. What is Active Contour?
4. Define: Point Detection, Line Detection, Edge Detection
5. Explain Hit, Miss and Fit Structuring Elements.
6. Explain Fundamental Operations.
7. Explain Compound Operations.
8. List out the Advantages of SIFT Features.
9. List out the five steps in the SIFT Algorithm.
10. Define Thresholding.
11. Explain HOG(Histogram of Oriented Gradients).



Assignment- 4

1. What is Split and Merge?
2. Explain the Mean Shift Algorithm.
3. Write down the steps of Region Split and Merge.
4. Write down the Graph based Segmentation.
5. What is Normalized Cut?



Assignment- 5

1. What is Motion Representation?
2. What is Optical Flow?
3. Explain Feature-based Techniques.



Assignment- 6

1. What is the motion tracking?
2. Explain applications of motion tracking.
3. Explain the motion tracking procedure.
4. Write a note on Iterated Estimation.
5. Explain Kalman Filtering.



NOTE: MAKE A SOFTCOPY FOR THE ASSIGNMENT 3,4,5 AND 6

Date of Submission: 22/10/2021