

School of Computer Science Engineering and Technology

Course- BTech

Course Code- CSET340

Type- Specialization Elective

Course Name- Advanced
Computer Vision and Video
Analytics

Year- 2026

Date- 02-06-Feb-2026

Semester- EVEN

Batch- 2023-2027 (VI Sem)

Lab Assignment No. 4

Exp. No.	Name	CO-1	CO-2	CO-3
1.	Morphological operations, image DE skewing .	✓		

Objective: To perform Basic Image Transformations, Histogram equalization. Perform the provided task as follows.

1. Perform different Morphological Operations.

- 1.1 Dilation (dilation.jpeg)
- 1.2 Erosion (erosion.jpeg)
- 1.3 Opening (opening.jpeg)
- 1.4 Closing (closing.jpeg)
- 1.5 Hit or miss transform (hit.jpeg)
- 1.6 Boundary extraction (boundary.jpeg)
- 1.7 Hole Filling (hole_filling.jpeg)

2. Perform Deskewing operations to recorrect the image. (deskew.jpeg)

Note:- Suggested Platform: Python: Jupyter Notebook/Visual Studio Code/Google Colab.

Mode of Delivery: Face-to-face: Instructor-led discussion and live coding demonstration.

Hands-on Practice via Google Colab/VS code/Notebook.

Submission: On LMS within the prescribed time frame.