

Boot Camp on Artificial Intelligence

Practical Assignment – 4

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Date of Submission:

Maximum Marks:

Lab Assignment: Basic Image Processing with OpenCV

Objective: To perform basic image processing tasks such as loading, displaying, resizing, converting color spaces, and applying filters using OpenCV.

Tasks:

1. Load an image using OpenCV.
2. Convert the image to grayscale.
3. Resize the image.
4. Apply Gaussian blur to the image.
5. Detect edges using the Canny edge detector.
6. Draw a red rectangle and a green circle on the image.
7. Apply Gray Level Slicing.
8. Save the processed images.

Image To Be Used:

Assignment_Image.jpeg