

Centre for Professional Courses
Gujarat University
M.Sc. IT Data Management & Visual Insight (5 Year Integrated)
Computer Vision

Instructions:

- Last Date to submit: 29/03/2025
- Make a Cell in Jupyter Notebook with the following information:
 1. Assignment No:
 2. Enrollment No:
 3. Student Name:
 4. Course:
- Upload your .ipynb file on Google Classroom.

ASSIGNMENT-1

Q. Consider the given Image and perform the listed operations:



- 1 Load the given image into grayscale.
- 2 Perform histogram equalization on the grayscale image to enhance contrast. Compare the original and enhanced images side by side.
- 3 Smooth the image using the Gaussian Filter and Median Blur. Display original and blurred images.
- 4 Sharpen the given image using the Sharpening kernel method.
- 5 Detect the edges from the image using Canny Edge Detection.