IDC 410: Machine Learning

Spring Semester 2025-26

Assignment 03

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loaded on 23rd January 2026 (Friday)   **Submission: On or Before 1st February 2026**

1. On the following image, apply a) Mean (3x3), b) Median (3x3), c) Gaussian (5x5) filter (sigma=2) and d) sharpening filter

   Save the image after each type of filter along with original image (All 5 images on the one or two page) in a **pdf** file. Also provide details of the filters that you used in your answer.

   Note: The program should **NOT** make any functional calls from OpenCV OR any other libraries for the filter operation.