RO-1.0X

Assignment 7
Image Smoothing and Edge Preservation

Problem Statement:

- **Given files are**
  - "**assignment_7.jpg**"

- **Tasks**

  - Implement Kuwahara filter Algorithm from scratch.

- **To Submit**

  - **"output.jpg"**

    - Output image after applying Kuwahara Filter

  - **"kw_image_smoothing.py", "main.py"**

    - Create a class based implementation in ***"kw_image_smoothing.py"*** and call each operation in ***"main.py"***

  - **"filter_size.txt"**

    - Filter size used [***for eg:*** *3 (3 * 3) or 5 (5 * 5) ...*

  - *Observe the difference between results from assignment 6 Bilateral Filter and Kuwahara Filter.*

    - To submit the assignment put both the files in a folder named **username**, where **username** is your user name with which you signed up at DeepEigen.

      - Submit **username.zip** file