

MTCS104(P)

HCI1(P) Practicals: Digital Image Processing

SE1

07/09/2022

To Do:

1. Implement anisotropic diffusion algorithm (Perona-Malik) in OpenCV+Python for smoothing. Do not use direct library functions. Comment and explain every line of code in detail.
2. Show anisotropic diffusion application to images. The images should be available in and read from the SE1_images folder in the shared HCI1_2022 google drive folder(<https://drive.google.com/drive/folders/1p66tF4C7bFdHyxrlGThF-Eb6P3aDr-Tx?usp=sharing>).
3. Submit colab notebook with appropriate code and text.

Honor Code:

1. You should not take help from anyone.
2. You may use your textbook/ www resources. Provide references and cite appropriately.
3. Doing the work individually and thereby an honest submission fetches you useful feedback. This is essential for productive learning.