

MTCS104P_HCI1P_2023_ST

25M

Task: Image enhancement in spatial and frequency domains

1. Given an image **basket.png**. Also provided a noisy version of the image **basket_noisy.png**. Enhance the basket_noisy.png in spatial domain. Also employ frequency domain techniques to enhance the basket_noisy.png and comment on the results.

Submit the following as a response:

1. Image files showing the results
2. Code files used for the above processing with appropriate reasons/comments.

Objectives of Learning:

1. How to use pre-processing concepts in spatial domain
2. How to perform frequency domain filtering

Code of Honour:

You may implement any concept (or its extension) discussed in the digital image processing course for the aforementioned tasks.

You may refer to the reference text/www.

You should be able to explain your code. If not, it will be treated as copying and hence malpractice.

Do not take help from any peers.