IMAGE PROCESSING ON A SEQUENCE OF IMAGES AND SIAPLAYING THE OUTPUT

RAMANI VENKATESH

This project involves taking a set of image sequences and doing certain processing to determine the region of interest, line profile and to draw a histogram. The images are thus filtered in order to detect or sharpen certain areas of the image

The images used in this program are the ones uploaded on UB Learns.

1. A main image and a mask image are created with the image sequence.
2. The path of the images are fed to the main image.
3. A sub VI is created to read the raw image sequence
4. The output of the Sub VI is used to add the 2 images and the output is displayed.
5. The output of the added image is given to an edge detection filter which is created to notice the blood flow clearly and the output of the low pass filter is displayed.
6. An array is created and fed as input to create a line profile of the filtered and the unfiltered data.
7. The image sequence is converted and written into a movie with a specific destination folder and file.
8. A ROI is created and a histogram is plotted for the region of interest