IIVP632/IIVP240

Lab Assignment-2

Octave/MATLAB

Consider the image given in figure1 and solve the following questions

1. Detect the pupil of the eyes in the image and find the distance between them.

Fig .01

2. Convert the same to grey scale image and find the maximum and minimum intensity of the image. Scale the image such that maximum pixel value is 255 and minimum is zero.

3. Take the above scaled image (i.e. 0 to 255). Use a function such that if

I(input)>250 then I(output) =250

I(input)>200 then I(output) =200

I(input)>150 then I(output) =150 and so on till 0 (zero).

Make similar image also for the difference of 20.

i.el(input)>250 then I(output) =250

I(input)>230 then I(output) =230

I(input)>210 then I(output) =210 and so on up to zero.

4. Consider any other image of your choice. Combine both the image(pixel by pixel) using normalization.