**IPV exam (week 7)**

## Submit your exam via canvas

1. Make a zip fold which should include **your .mlx file** and **image(s)** your used for this exam.
2. name it as: e.g., exam\_John (1 student);

**Q1: edge detection**--implement in matlab.

Must have:

* use input image **puppy-and-kitten.jpg**
* you need to explain:
* the steps you use to achieve the goal
* how/why you design **SE(Structuring Element)/mask/kernel**
* show the comparison of the original image and processed images to demonstrate the applications (see below)

|  |  |
| --- | --- |
| **input** | C:\Course\IPV\from li\2017_NJ\student_assignment_2017nj\submissions_w3\Week3_Team16_Anna&Pedro-1\puppy-and-kitten.jpg |
| **output** |  |

**Q2:** use morphological operations to implement in matlab.

Must have:

* use input image
* you need to explain:
* the steps you use to achieve the goal
* show the comparison of the original image and processed images to demonstrate the applications (see below)

|  |  |
| --- | --- |
| input | output |
| [IM Output] | [IM Output] |

**Q3:** When old documents are scanned it is sometimes difficult to read the text.

What steps can be taken to further increase image quality? Illustrate with histograms and images. Write down what kind of experiments you have done to achieve the goal!

