**LAB - 4**

Q1. Implement the **Hit or Miss** function. Your function should take an input image, structuring element and value k. Show four subplot-: Original Image, Image erosion with structuring element, complement of image erosion with complement of structuring element and Hit-or-Miss transform image. You must create a file “**HMT.m”** and write a function as follows:

**function HMT( img, se, k )**

Try your code on **ED.jpg**

Q2. Write your own blurring function without using **imfilter** function of matlab. Your function should take an input image and filter size. Show two subplot-: Original Image and blurred image. You must create a file “**myblur.m”** and write a function as follows:

**function myblur( img, size )**

Try your code on **blur.jpg**

Q3. Write your own median filter function without using **imfilter** function of matlab. Your function should take an input image and filter size. Show two subplot-: Original Image and filtered image. You must create a file “**mymedian.m”** and write a function as follows:

**function mymedian( img, size )**

Try your code on **blur.jpg**