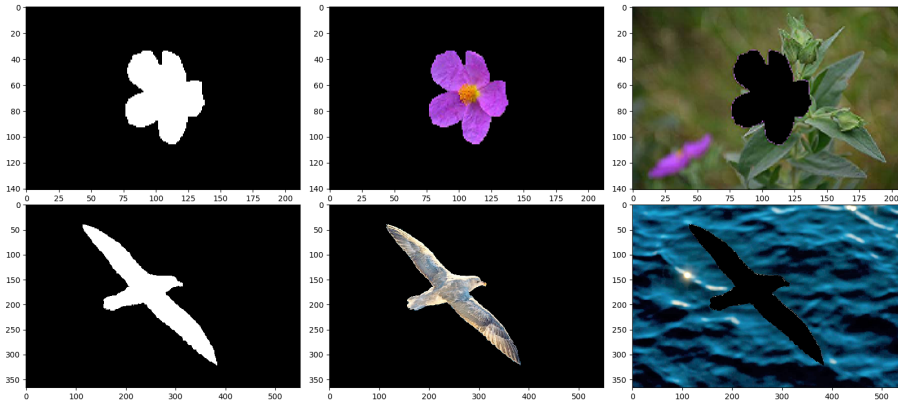


1 CS663 - Assignment 2 - Q 1

This is the accompanying report for question 1 of assignment 2. This report is accompanied by another document named **Extracting Foreground Mask.pdf** in the same folder. Before any processing, both images were downsampled by a factor of 2. All code is written in Python3 using NumPy for matrix operations and matplotlib for visualizations.

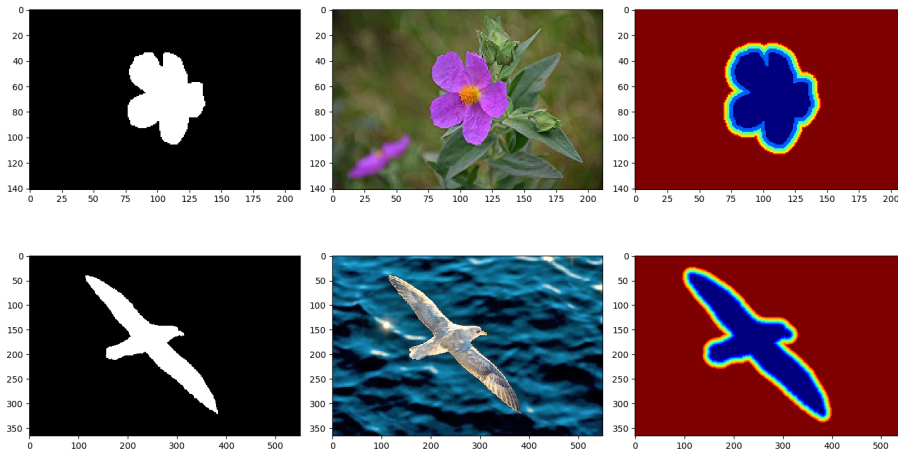
1.1 Foreground Mask



Please refer to **Extracting Foreground Mask.pdf** for the explanation of the process of generating mask and the accompanying code.

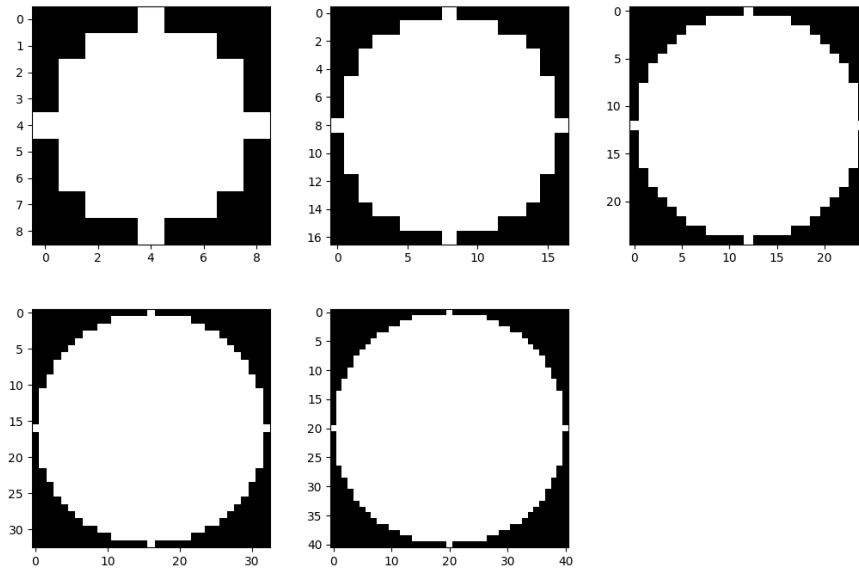
1.2 Jet Plot of Radius

NOTE - Since we downsampled the images by a scale of 2, we used $d_{thresh} = 10, 20$ for `flower.jpg` and `bird.jpg` respectively.



1.3 Visualising Kernels

For this part the value of d_{thresh} was taken to be 20.



1.4 Blurred Images

