

# CS 663 : Assignment-3

## Q2) Image Segmentation using Mean Shift

Image normalized to [0-1] range for all the three channels

Sigma Spatial Value for gaussian kernel:-- 3

Sigma Range Value for gaussian kernel:-- 0.1

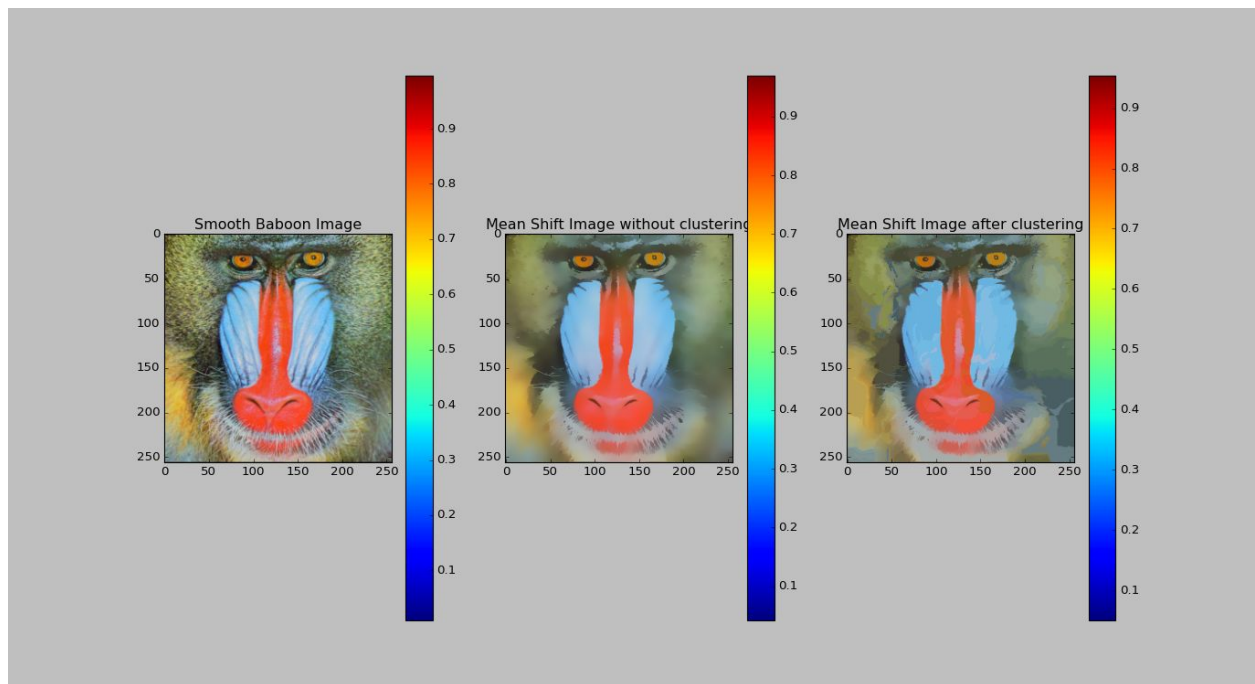
Iterations to get means shift segmented image:-- 3

Clustering is done using nearest neighbours radius parameter whose value is set to the 0.007 to obtain clustered segmented image.

Results:--

All the output images are saved in images directory.

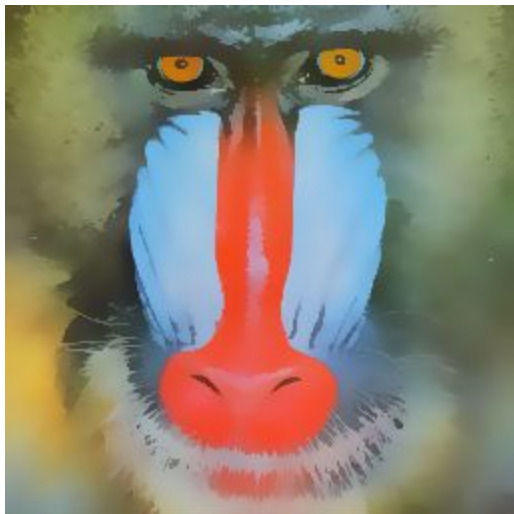
Smooth Baboon ,Mean Shift segmented without clustering,Mean Shift after clustering



Smooth Baboon Image:-- undersampled



Mean Shift Segmented Image:--



Mean Shift Segmented Image after keeping clusters under 50:--

