Advanced Image Processing
Assignment 4 (Due date: 30th March, 2017)

1) In this problem, you will implement the N-cut algorithm.

   a) Select a simple image, which you can visually segment into a few segments. Create a synthetic image with each approximate segment replaced by a single color/intensity value. Run the algorithm on both these images (real and synthesized images) and analyze the results.
   b) Take one or two more difficult images and try the algorithm. Analyze the results. Try with different parameters.
   c) For atleast one image, try more than 2 cuts.

2) Choose another (recent) segmentation algorithm (whose code is available) and run this code on the same images used for N-cut algorithm.

In your report, you should include the following:

   1) Implementation details, observations and analysis of all the results. If something did not work or you had any difficulty in the implementation, describe those. No need to give details of N-cut algorithm.
   2) You should include all your results in the report.
   3) Include the code separately, do not copy paste in the report.
   4) Write a short paragraph about the second algorithm; report the results and compare the performance of the two algorithms.