

## **CAP5415 Computer Vision Fall 2014**

### **Programming Assignment # 2**

Implement image compositing approach using Laplacian of pyramids and experiment with attached image pairs and at least three of your image pairs. You are supposed to implement Reduce and Expand operation as explained in Lecture 5.

Show your results:

- i. Using different levels of pyramids such as 4, 6, 8 etc.
- ii. Using different mask size (5 by 5, 9 by 9, 11 by 11 etc.).
- iii. In addition to attached images, show your results on 3 more image pairs (faces, natural scenes etc.)
- iv. Show Gaussian and Laplacian pyramids for one of the above settings.

**Note:** You are not allowed to use Matlab built-in function `impyramid`.

#### **Deliverables:**

1. Report including Input and Output images (Soft Copy)
2. Code (Soft copy)

Please send your assignments by email to [waqas5163@gmail.com](mailto:waqas5163@gmail.com). Please use `Assig_2_CAP541514` as subject of the email.

Note: Please write some lines about how to run your code.

**Submission Deadline: 09/25/2014 (23:59)**