

LAB 5

Q1. Do the following task:

- a. Find the Phase angle and Spectrum of the image “**img1.jpeg**” and “**img2.jpeg**”.
- b. Now show the following subplots(2, 3, _):
 - i. **Img1.jpeg**
 - ii. **Phase angle of img1.jpeg**
 - iii. Img1 reconstructed using only the spectrum
 - iv. Img1 reconstruct using only the phase angle
 - v. Reconstruction using the spectrum corresponding to the **img1** and the phase angle corresponding to the **img2**
 - vi. Reconstruct using the phase angle corresponding to the **img1** and the spectrum corresponding to the **img2**

Q2. Open the image called “**text.png**”(Pre-stored image in matlab). Find the connected component in the image using any method. Don't use the in-built function of the matlab.