**Subject: Digital Image Processing**

**Class: TY BSc CS**

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| **Sr No** | **Date** | **Particular** | **Signature** |
| 1 |  | 1. Linear Convolution between two matrices 2. Circular Convolution between two matrices |  |
| 2 |  | Apply DFT on an image |  |
| 3 |  | Apply the following Pre-Processing Techniques on an Image:   1. Log Transform 2. Power Law Transform 3. Image Negation |  |
| 4 |  | Apply the following Image Enhancement Techniques on an Image:   1. Brightness Adjustment 2. Contrast Stretching 3. Thresholding 4. Gray Level Slicing |  |
| 5 |  | Color Image Processing – I   1. Splitting RGB Planes 2. Pseudo Coloring |  |
| 6 |  | Color Image Processing – II   1. Brightness Adjustment 2. Contrast Stretching 3. Thresholding 4. Gray Level Slicing |  |
| 7 |  | Write a program to plot Histogram of an image |  |
| 8 |  | Write a program to perform Histogram Equalization of an image |  |
| 9 |  | Write a program to perform Smoothing on an image |  |
| 10 |  | Write a program to perform Sharpening on an image |  |
| 11 |  | Write a program to perform Dilation and Erosion on an image. |  |