

**Government Engineering College, Modasa**  
**A.Y. - 2016-17, Odd Semester**  
**2170712: Digital Image Processing**

**PRACTICAL LIST**

Sr. No	Definition
1	Study various MATLAB commands
2	Basics of image processing
3	WAP to perform various point processing operations like Negative, Log transformation, Power low tranformation
4	WAP to perorm contrast stretching
5	WAP to generate binary image from color image
6	WAP to plot histogram of gray scale and color image
7	WAP to perform histogram equilization
8	WAP to perform histogram stretching
9	WAP to perform average, tent and gaussian filter
10	WAP to implement Min, Max and Median filter
11	WAP to perform object segmentation
12	WAP to perform Gray level slicing
13	WAP to perform Bit plane slicing
14	WAP to perform following mean filters: (A). Arithmetic Mean Filter (B). Geometric Mean Filter (C). Harmonic Mean Filter (D). Contra harmonic Mean Filter (E). Alpha Trimmed Mean Filter
15	WAP to implement following adaptive filters: (A). Adaptive Local Noise Reduction Filter (B). Adaptive Median Filter
16	WAP to segment the face in from the image using following color space: (A). RGB Color space (B). HSV Color space