

**CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**CHANDUBHAI S PATEL INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF INFORMATION TECHNOLOGY**  
**ACADEMIC YEAR: 2018-19**

**List of Experiments**

**Name of Teacher:** Hardik Jayswal & Sanket Suhar

**Date:** 02/07/2018

**Subject:** Image Processing & Multimedia System(IT412) (7<sup>th</sup> Sem)

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<b>Exp. No</b>	<b>Name of Experiment</b>
1.	Introduction of Image Processing Toolbox in MATLAB.
2.	To write a program for implementing Image Negatives.
3.	To write a program for implementing Log Transformations
4.	To write a program to implement spatial filter with dynamic mask (average filter)
5.	Image Contrast Enhancement Using Histogram Equalization
6.	Study of Various Edge Detector (Sobel, canny etc. ) , implement edge detector with soft computing technique).and Compare the results.
7.	write a program to implement erosion on an image using „imerode“ function
8.	Separate R, G and B planes from an RGB image.
9.	Study of image sharpening using Laplacian filter in spatial domain.
10.	Study of filtering in transform domain.
11.	Implementation of inverse filter and wiener filter.