

Course Code: CSE 4383

Course Name: Image Processing & Computer Vision Lab Work

Course Outline

Topics	Details of Topics	Number of Classes
Introduction to Python	Arrays, loops, functions	2
Basics of image processing	Read image, copy image, show an image, crop an image and operations like these	1
Image Enhancement	Image negative, Log transformation, Gamma Transformation	1
Mid Exam	Lab Final on the topics that will be covered in the previous classes.	
Spatial Filtering I	Mean Filter	1
Spatial Filtering II	Weighted Average Filter	1
Histogram	Histogram calculation of an image	1
Morphological Image Processing	Morphological operation on an image	1
Final Exam	Lab Final on the topics that will be covered in the previous classes	