

BLG 513E Image Processing

Homework 2

In this homework, you are required to develop a bird counting algorithm. The main purpose is to provide an algorithm that can work for all three images.

- Don't use different parameters/approaches, e.g., threshold, for each image. Use a generic approach.
- You should write your own code by yourself.
- Cheating is highly discouraged for it could mean a zero or negative grade on the homework.
- You must write a report. In this report, you must explain your algorithm step by step, you must provide example images for all steps and for all images. You should also discuss your algorithm and your results.
- Use Python or MATLAB in your homework.
- Don't use functions available at OpenCV and MATLAB/Python libraries except for image read and image show functions.
- Please make sure that you comment on your code.

Submission Instructions: Please submit your homework through Ninova.
Please zip and upload ALL your files using the filename studentID_HW3.zip.
You should also include report.pdf with your zipped file

For any questions, you can mail to saritas21@itu.edu.tr