MID-TERM

Applied Probability and Statistics for IT

Requirements

Survey about Histogram equalization algorithm for image processing.

- Survey about the problem, histogram approach, formula, algorithm...

- Write an illustrative program.

- Don't use builtin-functions for Histogram algorithm.

Regulations

Students need to submit a document file and 2 sourcecode files.

- The document file is in Word format (.doc/docx), named by your StudentID, eg. 52000000.docx, using our faculty's format, from 15 to 25 pages. English is required for high-quality 100% English classes only. The structure of this document should be:
  - Chapter 1: Histogram equalization algorithm
    - State the problem, constrains/conditions (if any), method/algorithm.
    - Examples.
    - Your comment, analysis, evaluation...
  - Chapter 2: Implementation
    - Explain your code step by step.
    - DO NOT just copy your code in this chapter.
    - Instruction for building and running your sourcecode.
    - Experiment: data, result and conclusion.
  - References
    - Use the faculty's format.
- Format violations will cost from 10% to 50% of your total scores.
- You should solve and submit this report to your theory ELIT within 16 days, from the beginning of July 21th 2023 to the end of August 5th 2023. Late submissions are not accepted. Submissions via email are not accepted.
- This is an individual final report. Any case of plagiarism will get 0.

Rubric

Criteria	Score /10	Scale			Self-evalutaion	Reason
		0 score	1/2 score	Full score		
Chapter 1	5	Do nothing or wrongly.	Not enough details, no example, no comment.	Detailed explanation, good examples and comments.		
Chapter 2	4	Do nothing or wrongly.	Not enough details, no example, no comment.	Detailed explanation, good examples and comments.		
References	1	No reference.	Wrong format.	Right format.		
Total	10	Result				