EBU6230 – Image and Video Processing

Coursework Information 2022/23

PLAGIARISM WARNING

Plagiarism is the use of the work of another person, including another student, as your own without acknowledging the source. This includes both the intentional and unintentional attempt to pass someone else's work off as your own. Students found guilty of plagiarism face serious penalties. Plagiarism often occurs when students are unsure of what is allowed or expected of them. Make sure you are clear as to what is expected of you in assessed work.

*Please note that plagiarism-detection software is in use, and that the module organizers will automatically be notified about any questionable submissions. Be warned that some students have received **ZERO** marks for plagiarising this coursework, in the past.*

Introduction

The EBU6230 coursework is based on 6 lab-exercises related to taught topics, categorized into three parts (i.e., part 1, 2 and 3). There are four lab sessions (week 6, 9, 12, and 15) scheduled. The first session is for general setting up. It is intended that you do part 1 (exercises 1 to 3) in lab session 2, and part 2 (exercises 4 to 6) in session 3. The last lab sessions (Lab 4) are to finish the in-lab assessments of the whole coursework. There will be TAs to assist you in the lab.

Progress and completion of the lab exercises are assessed in two ways:

1. *One in-lab assessment (Lab 4) of your code.*
2. *One coursework report which must include:*
    - *Analysis and discussion of the results obtained from the lab- exercises.*
    - *Code developed by the student during the labs (**for plagiarism checking**)*

Assessment

1) *The in-lab assessment will be marked out of 15.*

2) *The coursework report will be marked out of 20 according to the following criteria:*

    - *A full and detailed assessment of the results: 20/20*
    - *Report lacking in critical analysis: 15/20*
    - *Report lacking in critical analysis with few sections missing:10/20*
    - *Report is an attempt, but nothing much of merit: 5/20*

Intermediate marks will be awarded if the content of the report is between the levels indicated.

Further information

Dataset

You will be given a small database on QMplus with files containing the data to be analysed. You are encouraged to enrich the available dataset with data that are appropriate to test and demonstrate the software you are writing.

Software

- *The recommended implementation tool is MATLAB.*
- *You are not allowed to use specialised libraries.*
- *The functions/procedures/classes you write for the coursework should start with the prefix BUPT_ (including those for reading/writing images).*
- *The software should be commented – the comments should be written in order to allow an intermediate programmer to understand each part of the code.*

Electronic submission of the coursework

Please name the zip files you submit as follows: ***<your_username>.zip***

The zip file should contain the following folders:

- ***__*report*__ *- This folder will contain the PDF AND doc version of your report.*
- ***__*results*__ *- This folder will contain the results you have generated (files) AND a readme file explaining the mapping between these files and the corresponding exercise.*
- ***__*code*__ *- This folder will contain the source files that you have written AND a readme file explaining how to run the software, including an example.*
- ***__*dataset*__ *- This folder will contain any additional data that you have used.*